ISCB

International Society for Clinical Biostatistics

News

Number 47	June 2009	Editor: David W. Warne

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2009

Editorial

In 2009, the conference will take place in Prague in the Czech Republic and there's an update from Zdenek Valenta in this News: it looks very well organised with many exciting sessions planned. There will be a special session to celebrate the Society's 30th Birthday.

Work has been progressing well for next year's conference in Montpellier, France, and the conferences for 2011-13 are being lined up. As reported in the last News, the 2008 conference in Copenhagen, Denmark was a huge success (570 people) and the profits have been added to the Society's accounts…

After many years on the ExCom, I have recently joined the other Officers for their quarterly teleconferences. Many topics are discussed covering all the many areas the Society is involved in.

Thanks to the contributors to this News: Rita Schou, Julia Singer, KyungMann Kim, Vana Sypsa, Zdenek Valenta, Norbert Victor, Koos Zwinderman, Catherine Quantin, Sylvain Larroque and the 6 book reviewers.

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ISCB Membership

If you joined ISCB by attending ISCB29 in Copenhagen, and haven't yet paid your subscription, please renew your membership. Thanks.

*=host of Conference	end 89	end 92	Dec 93	Dec 94	Dec 95	Dec 96	Dec 97	Dec 98	Dec 99	Nov 00	Nov 01	Dec 02	Nov 03	Nov 04	Nov 05	Nov 06	Nov 07	May 08	Dec 08	May 09
Total	261	596	715	698	725	702	685	729	818	797	837	825	756	758	620	808	800	413	921	458
# Countries	23	32	32	31	33	34	37	37	41	40	45	41	40	38	39	40	41	34	42	31
1. Poland [NatGrp]		11	11	24	24	30	21	19	26	34	37	41	41	43	40	49	54	57	62	63
2. UK	50	90	176*	120	144	121	128	169*	135	151	153	141	190*	140	109	133	117	46	114	52
3. Hungary [NatGrp]	1	21	17	18	19	25*	27	29	29	33	34	41	48	42	38*	50	44	43	43	43
4. Denmark	4	58*	38	31	30	32	26	35	38	39	36	46	41	37	37	40	34	24*	154*	38
5. Romania [NatGrp]						2			4	1	1	1	19	21	30	28	30	30	31	36
6. Germany	30	67	75	84	71	78	72	70	186*	90	87	77	61	57	51	73	48	26	59	31
7. Czech Rep. [NatGrp]			1	1	1	1	1	1	2	2	1	1	1	1	3	17	36	28	28	30*
8. USA	18	45	40	39	41	40	79*	66	76	77	89	78	75	57	51	67	62	29	74	28
9. Netherlands	14*	30	38	33	36	29	31	39	35	33	38	39	33	87*	35	44	41	13	39	20
10. Belgium	13	22	27	30	30	32	35	29	25	33	36	33	23	27	24	23	32	17	33	15
11. Switzerland	14	25	22	80*	33	29	24	25	23	18	23	26	22	23	23	55*	28	12	26	14
12. France	30	52	62	50	73	67	52	52	49	53	37	93*	31	41	30	57	41	18	49	13
13. Canada	6	12	14	14	11	13	15	14	9	9	10	14	16	8	12	12	19	9	22	9
14. Austria	4	9	11	13	11	16	13	11	15	18	15	13	16	17	15	14	16	5	17	8
15. Sweden	23	51	53	54	58	64	51	45	38	44	88*	50	36	34	24	23	19	10	27	7
16. Japan	2	6	7	5	7	4	10	13	20	12	11	10	10	10	17	17	27	5	20	7
17. Norway	13	18	25	22	12	18	10	10	11	10	16	16	12	14	12	13	12	5	19	7
18. Australia	6	9	11	6	9	8	11	9	10	12	8	9	14	8	6	11	11	5	10	7
19. Italy	16	33	37	32	32	33	26	33	26	63*	29	25	15	25	15	23	24	6	20	6
20. Finland	2	7	7	9	9	9	7	5	10	9	18	11	7	11	10	6	8	5	8	6
21. India		1	1	1	1	1	1	1	1	2	1	2	2	3	2	2	3	3	4	3
22. Greece		1	1	1				1	1	3	1	6	1	2	2	3	50*	2	5	2
23. Slovenia		1	2	3	2	1	1	3	2	1	2	1	2	3	3	4	5	2	5	2
24. Slovakia												1		1	2	2	2	2	2	2
25. South Africa		1	4	1	3	2	2	2	2	2	3	3	3	2	3	3	3	1	2	2
26. Malaysia						2	1	2	2	1	1	1	1	3	3	2	1	1	1	2
27. Spain	10	12	18	12	46*	23	14	16	12	11	11	8	7	15	5	9	8	2	5	1
28. New Zealand		1		1		2	1	2	2	2	3	3	3	1	2	2	2	1	5	1
29. Taiwan										1	1	1	1	1	1				3	1
30. Brazil					2						1						1		1	1
31. Cuba								2	2	2	2	2		2	1		1		1	1
32. Turkey		1	1						1			1	2	2	3	4			7	
33. Portugal	1	3	5	2	2	2	2	5	5	3	4	3	3	1	1	1	2	1	6	
34. South Korea					3		1					1					1		6	
35. Singapore							3	6	4	5	8	5	7	2	4	6	2		4	
36. Israel	1	3	4	4	4	4	3	3	4	10	13	10	7	8	3	4	2	1	2	
37. Ireland	1	2	3	4	3	4	4	2	3	2	3		1	1					2	
38. Iran							1	1				1	1	4	1	3	5	1		1
39. Russia						1	3	3	3	2	2	1	4	3	2	1	1	1	1	1
40. Sri Lanka																1	1		1	
41. Bangladesh																			1	
42. Mexico							1	1	1	1	1	1	2	2	2	1	1		1	
43. Luxembourg																			1	
44. Estonia												2		1		1	1		1	
45. United Arab Emirates																1			1	
46. Chile																			1	
47. Thailand		1	1		1	1	2	1	1	2	2	2							3	
48. Saudi Arabia												1							1	
49. Indonesia						1													1	
50. Malawi														1	1	1				
51. Colombia							1	1		1			1							
52. China		1	1	2	3	3	3	3	3	3	3	2								
53. Croatia									1	1		1								
54. Gambia												1								
55. Lithuania											2									
56. Argentina											1									
57. Kuwait	1										1									
58. Sudan											1									
59. Ukraine									1		1									
60. Egypt											1									
61. Pakistan									1	1	1									
62. Philippines									1											
63. Zimbabwe				1																
64. Kenya		1	1																	
65. Oman	1																			

ISCB President's Mid-Year Message

From Norbert Victor

After serving the society as an Executive Committee member since 2000 (the first 3 years as an ordinary member, followed by 4 years as treasurer and 2 years as Vice-President), I am now looking forward to serving ISCB as President for the term 2009-2010.

Although there have been some changes in the ExCom, I have a long and good experience in cooperating with most of its members: Harbajan Chadha-Boreham changed from Secretary to Vice-President, Koos Zwinderman continues as Treasurer, David Warne took over the hard task of Secretary (adding to his duties as Newsletter Editor); Emmanuel Lesaffre, as Past President, remains as an ExCom member, whereas KyungMann Kim and Adriano Decarli continue as ordinary members.

I want to take the opportunity to heartily welcome the newly elected members: Lucinda Billingham, Krisztina Boda, Giota Touloumi, Lutz Edler, Ulrich Mansmann and Jean-Christophe Thalabard. I am confident that the excellent cooperation with the experienced "old" colleagues will continue, and that the "new" colleagues will bring along their enthusiasm to ensure many fruitful contributions to the weal of our society.

I deeply want to express my thanks to the remaining and, of course, to the outgoing ExCom members (Rumana Omar, Catherine Quantin, Marie Reilly, Vana Sypsa, Jenö Reiczigel and Martin Schumacher) for their commitment regarding our Society. Most of them will remain active in other positions.

I would especially like to emphasize the many stimulating impulses given by our outgoing President, Emmanuel Lesaffre, who performed an enormous amount of successful work in the service of ISCB. The same goes, of course, for

Harbajan and Koos as well. I willingly admit that I learned a lot from them during our quarterly teleconferences and was constantly impressed by their ability to handle the whole organisation process as effectively and efficiently as they did. I will try to keep up the good work and to follow Emmanuel's shining example!

The first months of my term and two officers' teleconferences are already over now, and I want to give you a short report about the most important activities so far:

The accounts of ISCB-2008 in Copenhagen were finalised and resulted in a huge surplus. Congratulations and many thanks to Bjarne Bodin and his team!

Vana Sypsa took over the leadership of the newly built Task Force "Epidemiology" and she gave a very promising report on its activities (see her note in this issue).

Our future ISCB conferences played a prominent role as topic of our teleconferences: The preparation of Montpellier 2010 made considerable progress (see the Report of Jean-Pierre Daurès in this issue), and the outlook on Ottawa 2011 is also bright.

Prague 2009 is approaching, and I can assure you that Zdenek Valenta and his team are doing their utmost to make it a real highlight for the Society. This conference really promises to become a scientifically and socially exciting event. If you have not yet registered, do it soon as it would be a pity if you missed this event! The scientific programme (see the full preliminary programme in this issue) and the "Golden City" of Prague deserve the attendance of the whole biostatistics community.

Looking forward to meeting you all in Prague

ISCB31: Montpellier, France 2010: Invitation

From Jean-Pierre Daurès

The 31st ISCB Annual Conference will take place from Sunday 29 August to Thursday 2 September 2010 in Montpellier, France. We are very happy with the decision made by the ISCB Executive Committee; we feel honoured by this decision and will do whatever is necessary to make the symposium a success.

20 years ago, the team that I direct organized the ISCB Annual Conference in Nîmes with the late Prof. C. Chastang. We are thus further honoured to organize this Conference.

Biostatistics has since gone through many important changes of great interest and necessity to all fields of study in Medicine. Though the domain of Biostatistics is often perceived as complex and limiting to pharmaceutical research and development, new statistical tools exist that are essential to the domain both because of the choice of methodologies available

and because of the development of new tools adapted to new problems. This is further emphasized by the necessary cooperation between clinicians and biostatisticians as concerns interpreting results. It is this transfer process which allows actors from the pharmaceutical, prosthetic, diagnostic, and prognostic domains to weigh the interest of our field of expertise and measure its value.

Furthermore, biostatisticians are not only the think tanks behind new models, but they also significantly contribute to medical economics. Their work is essential for justifying and optimizing the large investments necessary behind large, high quality cohorts of patients over long periods of time.

We hope that all the health professionals participating in this conference will benefit from its scope and content.

ISCB Financial Update 2008 from the Treasurer

From Koos Zwinderman

A summary of the financial position of the ISCB is given in Appendix 1; it will be discussed at the ExCom meeting and the Annual General Meeting in August 2008 in Prague. At this moment the accounts are audited by Ernst & Young, Statsautoriseret Revisionsaktieselskab, Copenhagen, but their approval is not yet available.

Nevertheless, it is clear that the financial position has further improved during 2008. This surplus is totally due to the success of the 2008 conference in Copenhagen. The conference ended with a surplus of 111,201 € (Appendix 2). The finances and accounts of the Copenhagen congress were audited and approved by our member, Claus Bay, as internal reviewer,

according to §10.07 of our Constitution. Both reports were approved by the Officers of the ISCB.

It is noteworthy that the society's finances depend heavily upon a successful conference; this is clear because the membership (Figure 1) of the society mainly consists of participants to our conference, but next to that, the conference needs to have a surplus of about 18,000 € for the Society to break even.

Due to the 2008 surplus, the equity position of the ISCB has improved to 209,436 € (Figure 2). This is well above our goal to have equity of about 150,000 € which we think is necessary to overcome the cancellation of a conference with accountability for all the costs.

| Appendix 1	2008 €	2007 €
Income		
Membership fees	26,580.00	21,380.00
Conference surplus	111,201.00	42,454.53
Course surplus		606.00
Advertising	2,150.00	2,850.00
Earned interest	383.51	1,576.03
Currency gains	46.87	24.98
Total income	140,361.38	68,891.54
Expenditure		
Permanent Office:		
Consumables	446.60	6.71
Postage & freight	1,156.70	241.27
Telecommunication & internet	1,990.65	1,800.73
Printing & photocopying	391.16	87.53
Administration	12,308.56	11,190.64
	16,293.67	13,327.52
Officers & ExCom:		
Conference fees	4,675.00	2,500.00
Accommodation	4,658.00	
Travel expenses	1,238.07	4,123.35
Other expenses	582.93	134.95
	11,154.00	6,758.30
Awards (Students, Scientists):		
Conference fees	3,615.00	3,570.00
Accommodation	5,226.11	2,808.00
Travel expenses	944.69	2,322.87
Other expenses	1,299.41	
	11,085.21	8,700.87
President's Invited Speaker		
Conference fees	425.00	
Accommodation		
Travel expenses		
	425.00	
Workshops / Courses:		
Honorarium	188.00	
Accommodation	284.79	
Travel expenses	1,526.87	743.51
	1,999.66	743.51
Newsletter:		
Office expenses	7,923.34	8,043.43
Editorial expenses		
Travel expenses		
	7,923.34	8,043.43
Other items:		
Bank charges	1,114.99	1,039.31
Audit	1,760.00	1,680.00
Currency loss	39.50	442.08
Outstanding payment, Geneva conference 2006		267.00
	2,914.49	3,428.39
Total expenditure	51,795.37	41,002.02
NET INCOME:	88,566.01	27,889.52
Assets		
Bank accounts:		
Barclays Euro account	31,289.45	26,170.52
Nordea DKK account	353.05	53,864.95
Nordea Euro account	27,086.14	26,767.41
Nordea DKK high interest account	53,686.95	

Appendix 1	2008 €	2007 €
	112,415.59	106,802.88
Others:		
Accounts receivable	300.00	
Alexandroupolis conference 2007		26,995.36
Copenhagen conference 2008	106,896.00	
Seed money, Ottawa 2011	1,248.87	
	108,404.87	26,995.36
Total Assets	220,860.46	133,798.24
Liabilities		
Owing to Permanent Office	9,383.64	10,927.43
Audit	1,760.00	1,680.00
Prepayment account, members	280.00	320.00
Total Liabilities	11,423.64	12,927.43
Assets less Liabilities	209,436.82	120,870.81
EQUITY brought forward	120,870.81	92,981.29
Profit by 31 December 2007		27,889.52
Profit by 31 December 2008	88,566.01	
EQUITY carried forward	209,436.82	120,870.81

Conversion rates:
31-12-2007   DKK/EUR 745.66 GBP/EUR 1.3977
31-12-2008   DKK/EUR 745.06 GBP/EUR 1.0548

Appendix 2	
Congress Accounts	**€**
Income:	**Totals**
• Registration fees	205,983
• Pre-Conference Courses	45,099
• Sponsoring	55,681
	306,763
Expenses:	
• Congress organization, incl. rooms	49,717
• PCO Services, Printing, LOC and SPC	75,310
• Social Events and Catering	35,412
• Invited Speakers	18,652
• Miscellaneous	16,472
	195,562
Congress Balance	
Income	306,763
Expenses	195,562
Congress Surplus	**111,201**

ISCB Membership – 1992-2009

ISCB Membership 1992-2009
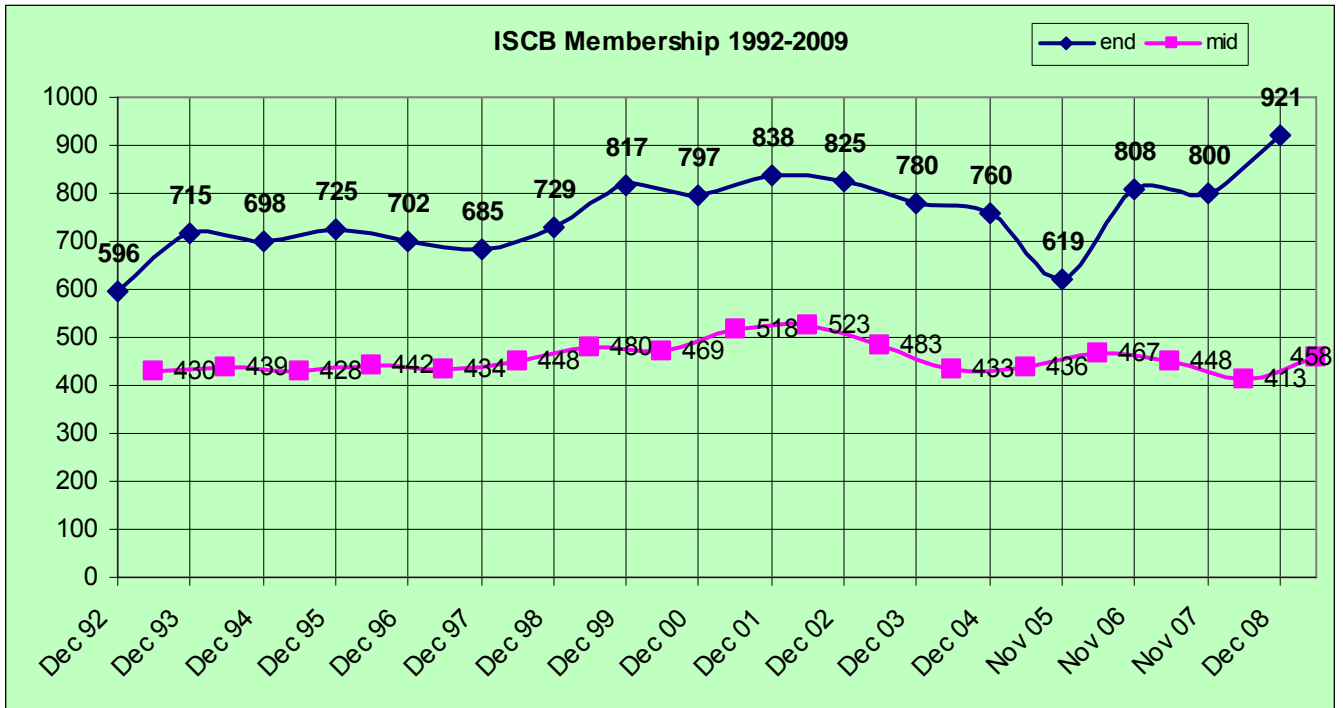
Figure 1. ISCB Membership

ISCB Equity – 1997-2009
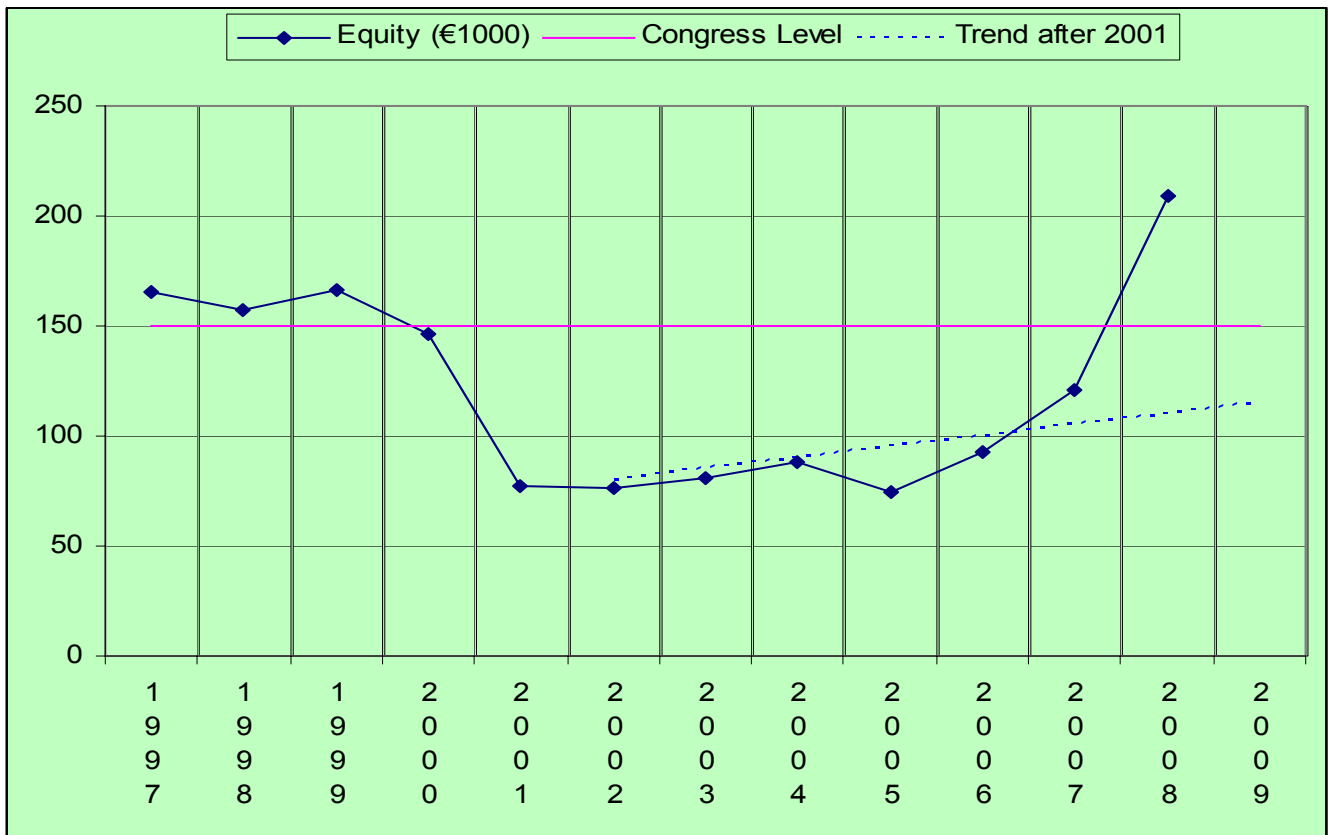
Figure 2. ISCB Equity

Jean Dickinson Gibbons and Subhabrata Chakraborti	Nonparametric Statistical Inference (Fourth Edition)	Chapman & Hall/CRC, (2003) 0-8247-4052-1

This is the fourth edition of a book devoted exclusively to nonparametric statistical methods as stated by the authors in the preface of the first edition about 30 years ago. During the years the book has been appreciated and needed. This is a review of the fourth edition. It has been revised and expanded both regarding methods and examples. According to the authors, the aim of this new edition is to provide an even more user friendly book suitable for the 21st century; application examples have been added to link theory and real problem solving, often by means of different statistical software.

The book of 645 pages contains 14 chapters, 20 tables, references and answers to selected problem starting with fundamental concepts regarding different probability distributions, point and interval estimation, hypothesis tests, the meaning of a p-value, consistency, efficiency, and last but not least the randomized test and correction for continuity. The table of probability functions of both discrete and continuous distributions provides a valuable summary and practical use of gamma and beta functions in evaluating complicated integrals is demonstrated.

The fundamental statistical concepts of statistical inference as an important tool in scientific studies, especially regarding the choice between nonparametric and parametric approaches based on assumptions about possible probability distributions only. The popularity of the mean approach to describe data is its almost normal distribution properties, leading to the use and over-use of parametric statistical methods.

Chapter 2 concerns the mathematical and statistical properties of order statistics, which is the basis in most nonparametric approaches. The properties of distribution free concepts such as tolerance limits and coverage of continuous distributions are fully described and the 34 problems offer the readers further exercises. The chapters 3 and 4 demonstrate tests of runs, which reveal possible lack of randomness, and goodness of fit tests of some discrete and continuous distributions of data. Such tests are important tools for motivating the choice of statistical methods that require certain properties of the data. Worked examples are given and results from the use of EXCEL, STATXACT, MINITAB and SAS are given. The Lilliefors's test for any normal distribution is recommended as most practical examples refer to normal distributions with no specified mean and variance. The differences and similarities between the different statistical software regarding Goodness of Fit are demonstrated.

Hypothesis tests and confidence intervals for population quantiles in continuous quantitative data are presented in chapter 5. The sign test and the Wilcoxon signed-rank test and confidence interval are demonstrated and the consequences of ties on the variance are demonstrated.

It should be noted that the nonparametric methods described mainly concern continuous quantitative data having the mathematical properties that allows for calculating differences of the paired observations. Therefore the Wilcoxon signed-rank test, which is based on the differences between the pairs of data, is not appropriate for data having rank-invariant properties only. The increased use of rating scales in various research fields should be attracted.

Chapter 6 concerns data of two mutually independent random samples, where the assumptions are made about the form of the underlying populations of continuous quantitative data. The assumptions are the location model, the scale model and the location-scale model. The Wald-Wolfowitz runs test, the Kolmogorov-Smirnov two-sample test, the median test, the control median test and the Mann-Whitney U test are comprehensively described both theoretically and by worked examples, and the differences in applications are discussed. The tests assume independent and continuous distributions of data but empirically ties might occur, which is also taken care of by the authors. According to the authors this chapter is new, and the general theories regarding the different models and the concept stochastical larger is fundamental. My experience from teaching students is that they can be confused about the concepts shift to the right and left and the concept stochastical larger. Marks on the x- and y-axis in figures 1.1 or 1.2 (very similar figures) would beautifully illustrate the concepts.

Nonparametric statistical methods often concern rank ordering of data, and an important class of statistics is the linear rank statistics which is a functional definition of the rank of an observation in the combined sample of continuous data. The distribution properties of the linear rank statistics are given in chapter 7.

The Wilcoxon rank-sum test is one of the simplest linear rank statistics, and this test is comprehensively described, both theoretically and by worked example calculated by hand and by means of software, in chapter 8. The authors show that the Mann-Whitney-U statistic is a linear function of the Wilcoxon-rank-sum statistic, and all properties are the same. The Wilcoxon-rank-sum statistic is also equivalent to an ordinary analysis of variance of

ranks, which makes this test extendable to more than two samples. The Terry-Hoeffding (normal scores) test and the van den Waerden test are location tests suitable for standard normal distributions or inverse normal scores.

The general two-sample tests and the linear rank tests for location problems presented in chapters 6 and 8 concern location problems and are not efficient for detecting differences in variability. In chapter 9 linear rank tests suitable for scale problems are presented. The Mood test is based on the sum of squares of the rank deviations from the mean rank of the combined sample and an alternative linear rank statistic is based on the absolute values of the rank deviations from the mean rank. This latter approach was proposed by Freund, Ansari, Bradley, David and Burton. The approaches by Siegel-Tukey and by Klotz are similar, and the authors compare their properties and their applicability to scale problems. The contents of the chapters 8 and 9 are exemplary rich and would solve many different research two-sample problems of continuous quantitative data.

The extension to k-sample problems is handled in chapter 10 in which the extensions of the Median and the Control Median test are given, and the popular Kruskal-Wallis test are comprehensively described. The hand calculated results and the results given by the SAS, STATXACT and MINITAB packages are compared, and they differ!

The Jonckhere-Terpstra test against ordered alternatives is presented. The authors propose tests for different cases of partial ordering, for example when outcome in treatment groups will be compared with outcome of control group.

Measures of association for bivariate samples are presented in chapter 11. However, the concepts agreement, concordance and association are used in a way that could be misunderstood by readers, who are interested in nonparametric statistical methods for bivariate ordered categorical data. The concept agreement should be referred to identical test-retest assessments while association is referred to relationship between two variables. The Spearman rank-order correlation coefficient is an appropriate association measure, and this coefficient is described mainly for continuous data, but also with adjustments for ties.

The Kendall's tau is a measure of order consistency, which means agreement in ordering in pairs of data. There are different approaches of Kendall's tau dependent on the type of bivariate data. The mathematical descriptions of the measures, especially of the applications for test of trend, are valuable.

The main part of the book has so far dealt with continuous quantitative data, but in chapter 10 and 11 the methods are applied to ordinal data having rank-invariant properties only. Most of the nonparametric methods presented in this book are, and should, be applicable to ordinal data when adjusted for tied observations, and some examples contain ordered categorical data but mathematically treated as if the data were quantitative (see example 4.2 pp185). Chapter 14 is aimed for count data and this last chapter eliminates to some extent my concern about the applications of the nonparametric methods to ordinal data. Since the authors have sets of ordinal data in problem of chapters 10 and 11, I would prefer changing the ordering of the last chapters, for example 14, 10, and 11.

The book is well written, easy to read and easy to use. It contains both detailed theoretical descriptions, proofs of theorems. The links between theory and practical problem solving are excellent, and the comparisons between the results from different software packages are valuable. However, the numbering of the examples seems inconsistent and unrelated to the chapters or the data sets, since two different examples can have the same number.

In conclusion, all statisticians dealing with real-life problem solving should have fundamental knowledge about nonparametric approaches to research questions. This fourth edition by Gibbons J D and Chakraborti S provides this knowledge. Its strength is the link between the comprehensive theoretical foundation and the practical problem solving, both hand made and computer made, especially when dealing with quantitative data. Therefore I recommend this book to students and statisticians, teachers or consultants, to be read and used as much as books on parametric statistical approaches.

In Memoriam: Roel van Strik

From Theo Stijnen and Wim Hop
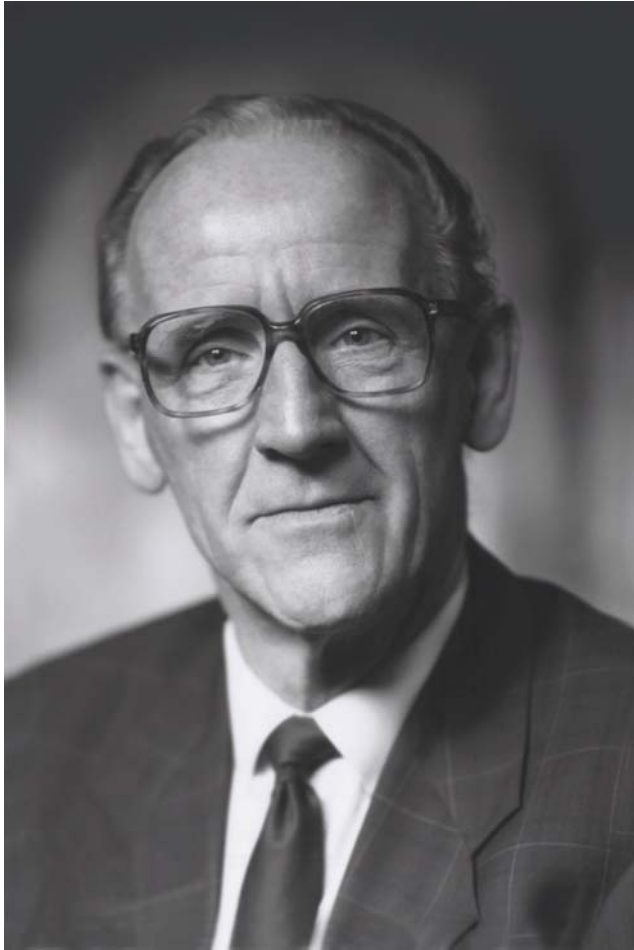
Roel van Strik, Emeritus Professor of Medical Statistics at the Erasmus Medical Center in Rotterdam, passed away on 7 April 2009. His death, at the age of 82, did not come unexpectedly as he had been suffering from severe Alzheimer's disease for some years.

Born as the son of a farmer, he was expected to follow in his father's footsteps. However, after finishing secondary school, Roel decided that statistics was his calling. He joined the statistics group of Philips Physics Laboratory in Eindhoven, where he received an on-the-job statistical training supervised by the late H.C. Hamaker. Later, he moved to Philips Duphar, a pharmaceutical company which is now part of Solvay Pharmaceuticals, to become head of the Biometry department. He grew to become a leading and respected statistician, which was quite an achievement for an autodidact without a formal academic education. In 1973 he was asked to set up a biostatistics department at the Medical Faculty of the Erasmus University in Rotterdam (now Erasmus University Medical Center). He became reader in biostatistics and some years later he was appointed full professor.

Together with Henk de Jonge at Leiden University and Chris Rümke at the Free University in Amsterdam, Roel van Strik was one of the pioneers of medical statistics in the Netherlands. Roel's contribution has been of major importance for the development and promotion of medical statistics in the Netherlands. He was very active within the VVS (Dutch Statistical Society) and the IBS (International Biometric Society). He was chairman of the Medical Biological Section of the VVS and president of ANed (the Dutch region of the IBS). For many years he was a member of the Dutch Medicines Evaluation Board. The ISCB (International Society for Clinical Biostatistics) always had a special place in his heart. He was one of the founding members in 1979 and organized its 3rd scientific meeting, which was held in Rotterdam, and he became President of the Society in 1983-84. Through the years he continued to serve the ISCB in many roles.

Professionally, Roel most enjoyed his consultation activities for researchers and teaching. His lectures to undergraduate medical students about statistics were highly valued. To raise the interest of the students in statistics, Roel made use of a large collection of statistical gadgets, such as a set of loaded dice, and inserted many statistical jokes in his extensive collection of teaching slides. The collection of lecture notes for medical students, which Roel wrote with his colleagues Henk de Jonge and Chris Rümke, was famous in the Netherlands. At the end of the eighties, when Roel decided to replace the lecture notes with a modern biostatistics book, many students asked for a return to the lecture notes.

After a remarkable and long career in biostatistics, Roel retired at the age of 70 in 1996, but he continued to attend scientific meetings. The last annual ISCB meeting he attended was the 24th in Dijon, 2002, still asking questions after presentations in his own characteristic voice. He was proud of not having missed a single ISCB meeting before his illness.

We remember him not only as a bright biostatistician, but as a stimulating, warm, friendly, amiable and cheerful man, with a good sense of humour and always being good company.

Our heartfelt condolences go out to his wife, children and grandchildren for the loss of their husband, father and grandfather.

Book Review by Jixian Wang (Switzerland)

Garrett Fitzmaurice, Marie Davidian, Geert Verbeke and Geert Molenberghs (editors)	Longitudinal data analysis (Handbooks of modern statistical methods)	CRC (2008) 9781584886587

This book is a handbook aiming at giving detailed review of the state of art written by leading researchers in the area of longitudinal data analysis (LDA). Although there have been a number of books on the same topic, this book distinguishes itself from the other books by covering a wide range of research and application topics and combining elementary and advanced materials into a well-organized book.

The book consists of five parts with 23 chapters. Part 1 contains a single chapter that gives a short introduction to classical contents of LDA. Part 2, with six chapters in total, extends to much details of parametric models for LDA including standard linear mixed models, generalized estimating equations, generalized linear mixed models and nonlinear mixed models. Part 3 deals with non-parametric and semi-parametric methods using, for example, the kernel and spline functions with an emphasis on the latter. One chapter gives a detailed introduction to smoothing spline functions and their use in linear mixed models, another summarizes recent developments on some model based methods such as smoothing generalized estimating equations. There is also a chapter dedicated to functional data analysis, an area with rapid development in the last 10 years. The fourth part is about joint modelling longitudinal data of two or more different types. Two typical examples are the joint model for repeated measurements of discrete and continuous outcomes, and that for repeated measurement data and time-to-event data, covered by two separate chapters in the book. The last part covers incomplete and missing/dropout data issues. Four chapters deal with quite standard topics, with two chapters on selection and pattern mixture models, and shared parameter models and the other two on sensitivity analysis and multiple imputation methods. Two other chapters give a nice summary of the current trend on causal analysis in LDA, one on inverse probability weighting and one on causal effects of time varying exposure. These two chapters perhaps do not belong to the standard LDA context and are also technically more advanced.

As a handbook, the coverage of this book is wide and technical details are abundant. One topic absent in this book is the Bayesian approach, with an exception of the Bayesian information criterion, in LDA. Another missing topic is the approaches using time series or dynamic models. However, this may be a reasonable choice to limit the size of the book, which is already over 600 pages. The style and notations are rather consistent throughout the book, given the large number of contributors. Apart from Part 1, each of the other parts starts with an introductory chapter. Most chapters contain detailed examples, even programs and an on-line website provides some programs and data used in the book. Although it was designed as a handbook for reference, the book is also quite readable from cover to cover for a reader with some background knowledge in LDA. In summary this book is recommended to applied statistician as well as researches in this field.

Book Review by Marek Brabec (Czech Republic)

Bradley P. Carlin, Thomas A. Louis	Bayesian methods for data analysis (3rd edition)	CRC (2008) 9781584886976

This is a nice book written by experienced and well known authors. Existence of the third edition shows that many people share the opinion. It is suitable as either a textbook or as a reference book. Typical readership will probably include researchers and students from both Statistics and various Sciences, including biomedical specializations. As in many books of similar format, the text has quite a few nice exercises, but unlike them it has also relatively extensive "Answers to selected exercises" section. It contains almost no proofs and required level of mathematical sophistication is kept as low as possible (while keeping reasonably rigorous approach with respect to key concepts). For instance, MCMC theory is skipped altogether while the MCMC methodology is explained rather extensively. A more mathematically oriented reader might be a bit upset by the free style and sometimes less structured explanation. In quite a few places, the text uses a notion before defining it rigorously, returning to details later. The style of the book resembles that of biomedical textbooks more than a mathematical book. Clearly, for many ISCB members, this will be a plus, rather than a deficiency.

Faithful to the title, this is a methods-oriented text (keeping the theoretical expositions on rather minimal level). It focuses on "how to" for many Bayesian analyses and situations of practical interest. It is based not only on description of various methods in words and symbols, but it goes really into the mechanics and operational side of the data analysis.

The book is easy to read, with a lot of practical examples. Some of them are shorter, some longer, resembling case studies. For many situations, even concrete scripts (in R and/or WinBugs-as widely popular and nowadays almost standard software) are placed conveniently in the text (and labelled clearly on the page margins). Moreover, the authors explain basics of R and WinBugs (obviously, the explanation is not complete, as that would require a book-long exposition in each case). As a result, the analyses are brought as close to the reader as possible. He or she is motivated to try his/her own analyses by modifying the scripts and/or to read more in specialized literature. Nevertheless, the book stays on reasonably general level and describes the tools in broad terms, avoiding reduction to explanation of various individual cases (as it is common in some of the books published recently). For instance, the book has a relatively extensive chapter devoted solely to Bayesian computation. The net result is that a student might start from more or less copying available scripts but then he/she might be motivated to go further (e.g. to write code tailored to a particular situation, and/or program an algorithm that is not available in his/her favourite software). This is nice both practically and pedagogically. Moreover, it makes the book interesting to read both to beginners and to more experienced readers. Level of prerequisites varies throughout the chapters. Occasionally, even very basic things are reviewed carefully (hence effectively, one gets a refresher on many things useful even in classical statistics as a bonus). Sometimes the authors jump directly into more difficult areas (perhaps to keep a reader alerted and thoughtful). It would be quite hard to read the book on your own if you do not have any background in Bayesian statistics whatsoever, but it is very beneficial for anybody who has heard something about it even superficially. Nevertheless, the authors have tried to keep the book as self contained as possible (without making it long and boring for more advanced readers).

The book is also a rich source of modern references for various areas of Bayesian statistics (more complicated/specialized themes are sometimes referenced without direct explanation within the text). The book should be read by practicing biostatisticians if for nothing else then for getting a broader view of vast possibilities the Bayesian viewpoint offers.

ISCB30: Prague, Czech Republic 2009: Conference Awards for Scientists (CAS): Winners

From Julia Singer

This year there were 9 applications from 9 countries (Cuba, Hungary, India, Iran, Kenya, Pakistan, Poland, Romania and South Africa).
There were some applications with purely theoretical content, and some others which were routine analyses of data sets. From next year the terms of references will clarify that such applications are not encouraged by ISCB.
The award was granted for 6 abstracts. The authors of the award winning abstracts are (in alphabetic order):

M. Rauf Ahmad	Pakistan	Two Robust Statistics For The Analysis Of High Dimensional Repeated Measures Data [S13]
Mausumi Bose	India	Crossover Designs Which Remain Efficient Under Subject Dropouts [S28]
Rosa Jimenez	Cuba	Mortality And Risk Adjustment Before Assessing Quality In The Intensive Care Unit Of Hermanos Ameijeiras General Hospital In Havana [P]
Zsolt Lang	Hungary	Statistical Methods Of Spatial Epidemiology, Applications To Human And Animal Health Investigations [S03]
Samuel M Mwalili	Kenya	The Influence Of The Operator And Assistant Experience On The Survival Of Proximal Art Restorations: A Kaplan-Meier Survival Analysis [S24]
Lise Werner	South Africa	Exploring Cd4 Count And Viral Load Evolution In An Acutely Infected Cohort Using Joint Modelling [P]

ISCB30: Prague, Czech Republic 2009: Student Conference Awards (SCA): Winners

From KyungMann Kim

This year there were 15 Student Conference Award (SCA) applications: six from UK, four from Belgium, two from Italy, and one each from Canada, Germany and Sweden. This year three students were selected by the SCA subcommittee (Chair, KyungMann Kim; Members, Carl-Fredrik Burman, Bruno Cesana, Bianca de Stavola and Vana Sypsa and Program Chair, Geert Molenberghs) based on the submitted abstract and summary of the paper from each applicant. I would like to take this opportunity to thank the Subcommittee members and Geert for their contribution.

This year's Student Conference Awardees are given below along with their affiliation and the title of presentation:

Muna Arephin	Queen Mary College, University of London	UK	Order restricted hypothesis testing for three-arm clinical trials
Maarten Bekaert	University of Ghent	Belgium	Estimation of marginal structural survival models in the presence of competing risks
Bart Van Rompaye	University of Ghent	Belgium	Design and testing for clinical trials faced with misclassified causes-of-death

Please join me in congratulating them. I look forward to seeing their presentations during the Conference and hope to see as any of you at the contributed sessions of their presentations.

Books for review:			
Author(s)	Title	Publisher (year) ISBN	Reviewer
1. D. C. Hoaglin, F. Mosteller and J. W. Tukey	Exploring Data Tables, Trends, and Shapes	Wiley (2006) 0-470-04005-x	
2. Eric Stallard, Kenneth G. Manton and Joel E. Cohen	Forecasting Product Liability Claims	Springer (2002) 0387949879	
3. A. C. Atkinson, A. N. Donev and R. D. Tobias	Optimum Experimental Designs, with SAS	Oxford (2007) 978-0-19-929660-6	
4. David A. Freedman	Statistical Models, Theory and Practice	Cambridge (2005) 780521671057	
5. Wojtek Krzanowski	Scientific Principles and Techniques in Scientific and Social Research	Oxford (2007) 978-0199213108	
6. Dankmar Böhning, Ronny Kuhnert and Sasivinal Rattamisiri	Meta-analysis of binary data using profile likelihood	CRC (2008) 978-1584886303	
7. Geoff Der, Brian S Everitt	A Handbook of Statistical Analyses Using SAS (3rd ed)	CRC (2008) 978-1584887843	
8. Oleg Demin, Igor Gorayanin	Kinetic Modelling in Systems Biology	CRC (2009) 978-1584886679	
9. Ronglin Wu, Min Lin	Statistical and computational pharmacogenomics	CRC (2008) 978-1584888284	
10. Shein-Chung Chow, Mark Chang	Adaptive Design Methods in Clinical Trials	CRC (2006) 978-1584887768	
11. Richard J. Hayes, Lawrence H. Moulton	Cluster Randomised Trials	CRC (2009) 978-1584888161	
12. Bengt D Furberg, Curt D Furberg	Evaluating Clinical Research: All that Glitters is not Gold (2nd ed.)	Springer (2007) 978-0387728988	

Important note to potential reviewers:

We regularly receive books from publishers for review in the Newsletter. We are most grateful for these "donations", the reviews of which we regard as a service to you, our members. Regretfully, some individuals, despite repeated reminders, neither return a review, nor the book to ISCB... When requesting a book, please remember that you're making a commitment to the Society to do a little work in return for keeping the book.

Please do a little work in return for keeping the book and your name will be published in the News!

For the format and length, please see recent issues of ISCB News. You can send the review in a variety of formats but plain text email, html, RTF or Word are preferred. The reviews may be edited for clarity (English grammar and spelling, punctuation etc.).

Books reviews in this issue:			
Author(s)	Title	Publisher (year) ISBN	Reviewer
1. Jean Dickinson Gibbons and Subhabrata Chakraborti	Nonparametric Statistical Inference (Fourth Edition)	Chapman & Hall/CRC, (2003) 0-8247-4052-1	Elisabeth Svensson, (Sweden)
2. Garrett Fitzmaurice, Marie Davidian, Geert Verbeke and Geert Molenberghs (editors)	Longitudinal data analysis (Handbooks of modern statistical methods)	CRC (2008) 9781584886587	Jixian Wang (Switzerland)
3. Bradley P. Carlin, Thomas A. Louis	Bayesian methods for data analysis (3rd edition)	CRC (2008) 9781584886976	Marek Brabec (Czech Republic)
4. Bill Thompson	The Nature of Statistical Evidence	Springer (2007) 978-0-387-40050-1	Gerhard Nehmiz (Germany)
5. Richard Kay	Statistical thinking for Non-Statisticians in Drug Regulation	Wiley-Blackwell (2007) 978-0-470-31971-0	François Aubin (France)
6. Shein-Chung Chow, Jun Shao and Hansheng Wang	Sample Size Calculations in Clinical Research	CRC (2003) 0-8247-0970-5	Jorgen Seldrup, France

Books sent out recently:			
Author(s)	Title	Publisher (year) ISBN	Reviewer
1. Michael J. Daniels, Joseph W. Hogen	Missing data in longitudinal studies (Strategies for Bayesian modeling and sensitivity analysis)	CRC (2008) 9781584886099	Maarten Schipper (Netherlands)
2. Thomas D. Cook and David L. DeMets	Introduction to Statistical Methods for Clinical Trials	CRC (2008) 9781584880271	Rainer Muche (Germany)
3. Robert A. Muenchen	R for SAS and SPSS Users	Springer (2008) 9780387094175	Andreas Ziegler (Germany)

Books sent for review quite a long time ago			
Author(s)	Title	Publisher (year)	Reviewer
1. H. Brown and R. Prescott	Applied Mixed Models in Medicine (Second Edition)	Wiley (2006) 0-470-02356-2	Marie Reilly, Sweden
2. Frank R. Hampel, Elvezio M. Ronchetti, Peter J. Rousseeuw and Werner A. Stahel	Robust Statistics: The Approach Based on Influence Functions	Wiley (2005) 0-471-73577-9	Lars Krogsgaard Thomsen, Denmark
3. J. Edward Jackson	A User's Guide to Principle Components	Wiley (2003) 0-471-47134-8	Nicole Close, USA
4. J M Bernardo et al (eds.)	Bayesian Statistics 7	Oxford University Press (2003) 0-19-852615-6	Stefan Tigan, Romania
5. John Verzani	Using R for Introductory Statistics	Chapman & Hall/CRC (2005) 1-58488-450-9	Justin Clayton, USA

Book publishers' webpages:

Hodder Arnold	www.hoddereducation.co.uk/RVE99a510f93213434c8b6939f2cb4789e5,,.aspx
Blackwell	www.blackwellpublishing.com/subjects/PB/
Cambridge University Press	www.cambridge.org/uk/browse/default.asp?subjectid=1007745
CRC (Taylor and Francis)	www.crcpress.com/shopping_cart/categories/categories_products.asp?parent_id=104
Oxford University Press	www.oup.co.uk/academic/science/maths/
Springer	www.springer.com/east/home/statistics?SGWID=5-10128-0-0-0
Wiley	www.wiley.com/WileyCDA/Section/id-300665.html

Bill Thompson	The Nature of Statistical Evidence	Springer (2007) 978-0-387-40050-1

At first sight, one might underestimate this slim book. But it is packed with content and written in a concentrated, sometimes dense style. After an overview section, it is divided into 3 parts.

The first part introduces the axiomatic method of mathematics and then 3 target areas of application of statistics, i.e. science, jurisdiction, learning. The scientific method is largely described from the sociological viewpoint of Kuhn (1970), whereby a result is "true" if it is peer-reviewed and published. The weakness of this is recognized: Is physics a study of the social behaviour of physicists, or does it mainly investigate properties of matter (e.g. planets, apples)? The description of evidence-finding in the legal context appears to be specific for the English / American judicial system; this limitation is however not critical as in the rest of the book, only one brief courtroom application of statistics is brought. Central references such as Aitken (2004) are missing as well. The overview of learning theory is also short and is not followed up later.

The second part displays the basic theme of the book: Statistical, like any other, models are an image of observed nature. The properties of this image are investigated mathematically, and the conclusions thereof are back-transformed to the original context and interpreted as new statements about nature. Also, the mathematical investigation itself is also "only" a model. Therefore, in order to allow this back-and-forth mapping, every axiom-based theory needs real-world interpretation. We all know that probability theory has several competing interpretations, each of which has been proven to fulfil the probability axioms. Here, 5 interpretations are shown, in 2 groups: The proportion of "elementary events" that have a given property, the limit of the observed relative frequency, and the "propensity" of an event to happen make up the 1st group. The 2nd group consists of unbiased utility weighting (see Howson/Urbach 1990) and the personal degree of certainty. All 5 interpretations are illustrated as to how they describe chance.

In the 3rd part, the value of each interpretation of "probability" for scientific inference is then assessed. Thompson dismisses as unrealistic the symmetry-based calculations with "elementary events" of dice, cards, urns.... The model with fixed parameters estimated from the data is also severely criticised as unrealistic. The Bayesian approach, i.e. to keep the parameters random, comes off better, as long as the necessary exchangeability assumptions are met. However, difficulties with group opinions remain. This is valid for the utility interpretation and for the personal degree of certainty. Thompson does however not elaborate that the really random items here are not the parameters themselves but the knowledge about the parameters, which is obtained in the experiments.

The long-run errors of 1st and 2nd kind and the p-value assume a fixed, unknown truth about H0 and H1 and are therefore based on unrealistic fixed parameters, as described earlier. Also, infinite repetition, or even any repetition, is rarely done and one has to rely on the 1st and only experiment. But altogether, the p-value is given a non-0 niche, as long as it is calculated under both H0 and H1. The fact that it describes evidence against a hypothesis is shown to be unproblematic.

The last 3 chapters then bring together the capabilities of the statistical approaches and the requirements of science. In accordance with the beginning of part 2, no unique recommendation is finally given.

The book contains only few misprints, with exception of the citations (Lehmann, Morgenstern, O'Hagan, Pirsig, Hoaglin, and Weerahandi).

In conclusion, "The Nature of Statistical Evidence" is highly recommended to everyone in biometrics and science who is interested in the contribution of statistics to science, and in its limitations.

References:

Kuhn TS: "The Structure of Scientific Revolutions". Chicago: University of Chicago Press, 2nd enlarged ed. 1970.

Aitken CGG: "Statistics and the Evaluation of Evidence for Forensic Scientists". Chichester: Wiley, 2nd ed. 2004.

Howson C, Urbach P: "Scientific reasoning: The Bayesian approach." La Salle/IL: Open Court, 2nd printing 1990.

30th Annual Conference of the International Society for Clinical Biostatistics
Prague, Czech Republic
23-27 August 2009
www.iscb2009.info

Invitation to Prague from Zdenek Valenta, LOC Chair

On behalf of both the Local Organising Committee and the Scientific Programme Committee of ISCB30, please receive my warmest invitation to take part at the 30th Annual Conference of the International Society for Clinical Biostatistics, which will take place in the premises of the University of Economics in Prague, Czech Republic, from 23-27 August 2009. The university is located at the Winston Churchill square in a neighbourhood of the city centre and in the vicinity of the main railway station, originally named after Thomas Woodrow Wilson.

The Conference appears to have drawn much interest among the biostatisticians and researchers practising in the area of clinical trials and biomedicine. To date, we have registered 311 accepted submissions in our system, 178 of those will be presented at the invited and contributed sessions and the 2 mini-symposia, the remaining abstracts will be presented at the poster sessions. We are very excited that the Society's 30th anniversary seems to have attracted a record interest in the contributed programme.

Before the Conference starts officially, 4 pre-conference courses will be launched on Sunday 23 August 2009. Two courses are planned for the whole day and the other two as half-day courses. At this moment, one last course has a few places left, so please, register very soon, if you are interested. This year we have on the menu *Analysis of Incomplete Data,* a full-day course presented by James Carpenter from the London School of Hygiene & Tropical Medicine, *Clinical Trial Methodology*, a full-day course presented by Stephen Senn from the University of Glasgow, a morning half-day course on *Longitudinal Data Analysis* lectured by Garrett Fitzmaurice from the Harvard School of Public Health and an afternoon course *Strategies For Extracting Reliable Information From Microarray Data*, lectured by Dhammika Amaratunga from Johnson & Johnson Pharmaceutical Research & Development.

Monday's opening Plenary Session is entitled *Indirect Comparisons of Health Care Interventions* and organised by Andrew Briggs and Rolf Holle. Invited speakers will include Tony Hawkins and Tony Ades and Theo Stijnen will serve as a discussant. The next invited session will be on *Joint Modelling Of Longitudinal And Survival Data*, organised by Robin Henderson and Hélène Jacqmin-Gadda. Invited speakers will include Jane-Ling Wang, Daniel Farewell and Cécile Proust-Lima. Topics from Monday contributed sessions will include Epidemiology, Diagnostic Methods, Statistical Genetics, Survival Outcomes Methodology, Incomplete Longitudinal Data, Surrogate Markers, Clinical Trials, Incomplete Data Methodology and Longitudinal & Hierarchical Data Analysis.

Tuesday's programme will feature two invited sessions on Regulatory Affairs (RA) and Incomplete Data (ID), the former being organised by Robert T. O'Neill and the latter by Geert Molenberghs. Invited speakers will include Frank Rockhold, Joachim Röhmel and Robert T. O'Neill for the RA and James Carpenter, Craig Mallinckrodt and Robert T. O'Neill also for the ID. Contributed sessions will cover *Methods in HIV and Infectious Disease, Inferential Methods in Survival Analysis, Clinical Trials Methodology, Survival Analysis Methodology in Clinical Trials, Clinical Trials* and *Epidemiology*.

Wednesday morning's invited session will be on *Statistical Methods in HIV/AIDS Research*. Organised by Benoit Masse and Michal Kulich, it will feature Nicholas Jewell, Victor de Gruttola and Alex Welte as invited speakers.

The President's Invited Lecture will be delivered by Marc Buyse and will be an integral part of the celebrations of the 30th Anniversary of the Society. The celebrations will continue with a Historical Lecture, which will be given by Stephen Senn and John Whitehead. The Annual General Assembly of the ISCB members will take place right after the celebrations of the 30th Anniversary. The contributed programme will continue in the afternoon, and on the menu will be *Methods in HIV and Infectious Diseases, Incomplete Data in Clinical Trials, Epidemiology,*

Statistical Modelling, Health Economics Evaluation, Biomedical Informatics, Longitudinal and Hierarchical Data Analysis and *Competing Risks.*

Two mini-symposia have been scheduled for Thursday. The first mini-symposium will be dedicated to the fast developing field of *Biomedical Informatics*, where the topics will include a range of methodological issues related to microarray data analysis, genomic research, information theory models for clinical decision support, recent advances in the area of electronic health record development and R&D for knowledge and decisions making in healthcare. Invited speakers include Wolfgang Huber, Alvis Brazma, Igor Vajda, Pirkko Nykänen and Jan H. van Bemmel. The second mini-symposium is again on Statistics in Vaccines Research, an important subject with talk of global pandemics, and the speakers are Robert C Kohberger, Ivan Chan, Bernhard Klingenberg and Sang Ahnn.

We believe that this year's selection of posters will also draw much attention from the audience. Selection of topics for the poster presentations includes *Cancer Methodology*, *Infectious Diseases*, *Meta-analysis*, *Health Economics Evaluation*, *Systems Biology and Bioinformatics*, *Diagnostics Methodology*, *Statistical Inference*, *Statistical Modelling*, *Bayesian Methodology and Applications*, *Biomedical Informatics*, *Missing Data and Sensitivity Analysis*, *Longitudinal and Hierarchical Data*, *Survival Analysis*, *Clinical Trials* and *Epidemiology*.

We hope that not only the scientific programme and its treats will be appealing to the Conference participants. Monday's Welcome Reception will take place in the historic premises of the New Town Hall established in 1377, located at the Charles Square (Karlovo náměstí). The square derives its name after a popular Czech king and Roman Caesar Charles the 4th Century. The New Town Hall became famous for the event that took place in the 15th Century. On 30th July 1419 a crowd of demonstrators lead by Jan Želivský demanded that several of Jan Hus's followers should be released from the prison. When the counsellors refused to release the prisoners, the outraged crowd burst into the building and threw the present counsellors out of the windows. The counsellors who survived the fall were beaten to death. This event called the First Prague Defenestration started the Hussite movement asking for reforms in the Catholic Church. The New Town Hall is now part of the national cultural heritage. It is being used for many cultural and social events, as well as wedding ceremonies.

The Conference Dinner will be served at Kaiserštejnský palác (Kaiserstein Palace) located in Prague's Lesser Town, within a walking distance from the popular Charles Bridge, which is currently being restored to its full functionality. The building is a real treasure of architectural elements and details. It is situated on the land originally occupied by two ancient houses, firstly mentioned in topographies dated back to 1404. The oldest appearance of the Palace's preserved main façade is shown on a copperplate engraving done by Pfeffel in 1743 according to a drawing by J.J. Dietzler – the Coronation Procession of Empress Maria Theresa. The Palace was restored in the 1970s. Thanks to preserved objects of history of art and valuable furnishings and collections, after the restoration this Petzold Building, known as Kaiserstein Palace, looks like a museum. The Palace, which appears on the UNESCO list, is being used by the Economic Chamber of the Czech Republic for social purposes. Its unique location with its great atmosphere, in particular, renders the Kaiserstein Palace a suitable location for the occasion of celebrating the 30th Anniversary of the ISCB at the Conference Dinner.

There are various tours and walks scheduled for Tuesday afternoon around Prague and in the city itself and we hope that you will have a chance to enjoy the atmosphere of the historic Prague quarters, Prague's Castle, Prague's Lesser Town, the Old Town Square and on the evenings you may try a walk from the Old Town Square to Prague's Castle, which is a very popular and not very demanding walk through the historic city quarters.

I look very much forward to welcoming you in the city of Prague at the occasion of the 30th Annual Conference of the ISCB.

ISCB30: Prague, Czech Republic: Draft Programme

30th Annual Conference of the International Society for Clinical Biostatistics
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Time	Sunday August 23	Monday August 24	Tuesday August 25	Wednesday August 26	Thursday August 27	Time
08:00	Registration	Registration		Registration	Registration	08:00
08:15						08:15
08:30			Registration	Invited session / Contributed sessions		08:30
08:45						08:45
09:00	Pre-conference courses 1, 2, 3	Welcome to ISCB30	Invited session / Contributed sessions	Invited session / Contributed sessions	Mini-symposium Biomedical Informatics / Mini-symposium Statistics in Vaccines Research	09:00
09:20		Invited session				09:20
09:30						09:30
09:45						09:45
10:00				Refreshments		10:00
10:15						10:15
10:30	Refreshments	Refreshments	Refreshments	Keynote Lecture by President's Invited Speaker	Refreshments	10:30
10:45						10:45
11:00	Pre-conference courses 1, 2, 3	Invited session / Contributed sessions	Invited session / Contributed sessions		Mini-symposium Biomedical Informatics / Mini-symposium Statistics in Vaccines Research	11:00
11:15						11:15
11:30				Celebration of the ISCB's 30th Anniversary		11:30
11:45						11:45
12:00						12:00
12:15				Annual General Meeting (AGM)		12:15
12:30		Lunch	Lunch	Lunch		12:30
12:45	Lunch					12:45
13:00						13:00
13:15						13:15
13:30			Conference excursions			13:30
13:45	Pre-conference courses 1, 2, 4					13:45
14:00		Contributed sessions		Contributed Sessions		14:00
14:15						14:15
14:30						14:30
14:45						14:45
15:00						15:00
15:15						15:15
15:30	Refreshments	Refreshments		Refreshments		15:30
15:45						15:45
16:00	Pre-conference courses 1, 2, 4	Contributed sessions		Contributed Sessions		16:00
16:15						16:15
16:30						16:30
16:45						16:45
17:00						17:00
17:15						17:15
17:30						17:30
17:45						17:45
18:00						18:00
18:15						18:15
18:30+		19:00 – 20:30: Welcome reception at the New Town Hall		20:00-22:00 Conference dinner at Kaiserštejn Palace		18:30+
All day		Poster session	Poster session	Poster session		All day

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Overview				
Sun 23				
09:00-12:45	Analysis Of Incomplete Data PC202	Clinical Trial Methodology PC203	Longitudinal Data Analysis PC207	
13:45-17:30			Strategies For Extracting Reliable Information From Microarray Data PC207	
Mon 24				
09:00-09:20	Welcome And Opening Of The Conference Aula NB			
09:20-10:30	IS01: Plenary Session, State-of-the-Art Lectures Aula NB			
11:00-12:30	IS02: Joint Modelling Of Longitudinal And Survival Data RB101	CS03: Epidemiology I RB210	CS04: Diagnostic Methods I RB211	CS05: Statistical Genetics I RB212
14:00-15:30	CS06: Methodology For Survival Outcomes RB101	CS07: Incomplete Longitudinal Data RB210	CS08: Diagnostic Methods II RB211	CS09: Statistical Genetics II RB212
16:00-17:50	CS10: Surrogate Markers RB101	CS11: Clinical Trials I RB210	CS12: Incomplete Data Methodology RB211	CS13: Longitudinal And Hierarchical Data Analysis I RB212
Tue 25				
09:00-10:30	IS14: Regulatory Affairs RB101	CS15: Methods In HIV And Infectious Diseases I RB210	CS16: Inferential Methods In Survival Analysis I RB211	CS17: Clinical Trials Methodology RB212
11:00-12:30	IS18: Incomplete Data RB101	CS19: Survival Analysis Methodology In Clinical Trials RB210	CS20: Clinical Trials II RB211	CS21: Epidemiology II RB212
Wed 26				
08:30-10:00	IS22: Statistical Methods In HIV/Aids Research RB101	CS23: Repeated And Recurrent Events RB210	CS24: Inferential Methods In Survival Analysis II RB211	CS25: Contributed Session: Bayesian Methods RB212
10:30-12:15	IS26: President's Invited Lecture, Historical Lecture, Conferment Of Honorary Membership			
12:15-13:30	Annual General Meeting			
14:00-15:30	CS27: Methods In HIV And Infectious Diseases II RB101	CS28: Incomplete Data In Clinical Trials RB210	CS29: Epidemiology III RB211	CS30: Statistical Modelling RB212
16:00-17:50	CS31: Clinical Trials III RB101	CS32: Health Economic Evaluation RB210	CS33: Biomedical Informatics RB211	CS34: Longitudinal And Hierarchical Data Analysis II RB212 — CS35: Competing Risks tbd
Thu 27				
09:00-13:00	MS01: Biomedical Informatics Aula NB	MS02: Statistics in Vaccines Research RB101		

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Sunday 23.8.2009			Pre-conference courses	
#	Room	Time	Lecturer	Course title
1	**PC202**	09:00-17:30	James Carpenter	Analysis Of Incomplete Data
2	**PC203**	09:00-17:30	Stephen Senn	Clinical Trial Methodology
3	**PC207**	09:00-12:45	Garrett Fitzmaurice	Longitudinal Data Analysis
4	**PC207**	13:45-17:30	Dhammika Amaratunga	Strategies For Extracting Reliable Information From Microarray Data

Course 1 (full day):

Analysis of Incomplete data

James Carpenter (London School of Hygiene and Tropical Medicine, UK)

Missing data are ubiquitous in medical research, and raise particular issues as the validity of any analysis depends on inherently untestable assumptions. The aim of this course is to familiarize participants with these issues, and the statistical methods for missing data. This will include a discussion of recent and potential future developments.
Specifically the course will:
1. Introduce the issues missing data, review common jargon and argue for a principled, systematic approach
2. Review the implications for ITT and 'on-treatment' analysis of clinical trials
3. Introduce multiple imputation and mixed models for the analysis of partially observed data discuss their relative merits
4. Introduce inverse probability weighting and doubly robust estimation for missing data, and contrast these methods with model based approaches
5. Discuss methods for sensitivity analysis

The course will have a mix of lectures and practical (paper-based) exercises.

Course 2 (full day):

Clinical Trial Methodology

Stephen Senn (University of Glasgow, UK)

This course will be based on the author's book by the same name and will take a critical look at various aspects of clinical trial design and analysis, in particular as practiced in the pharmaceutical industry. Following introductory sections on causality in clinical trials and different philosophies of statistics, the topics of allocation, analysis and the use of covariate information will be examined in more depth. As much as anything, the object will be to provoke discussion and re-evaluation of issues that are too often taken for granted.

Course 3 (half a day):

Longitudinal Data Analysis

Garret Fitzmaurice (Harvard School of Public Health, Boston, MA, USA)

The goal of this short course is to provide an introduction to statistical methods for analyzing longitudinal data. The main emphasis is on the practical rather than the theoretical aspects of longitudinal analysis. The course begins with a review of established methods for analyzing longitudinal data when the response of interest is continuous. A general introduction to linear mixed effects models for continuous responses is presented. When the response of interest is categorical (e.g., binary or count data), a number of extensions of generalized linear models to longitudinal data have been proposed. We present a broad overview of two main types of models: "marginal models" and "generalized linear mixed models". While both classes of models account for the within-subject correlation among the repeated measures, they differ in approach. Moreover, these two classes of models have regression coefficients with quite distinct interpretations and address somewhat different questions regarding longitudinal change in the response. In this course we highlight the main distinctions between these two types of models and discuss the types of scientific questions addressed by each.

Course 4 (half a day)

Bioinformatics

Dhammika Amaratunga (Johnson & Johnson, Pharmaceutical Research and Development, USA)

Microarrays are a powerful technology which biological researchers use to profile the expression patterns of genes, tens of thousands of genes at a time. How to properly analyze and interpret the enormous amounts of data this technology generates remains somewhat of a challenge but significant progress is been made. Generally, a multi-faceted approach is likely to be the most effective at extracting reliable information while overcoming the danger of over-fitting due to over-parameterization. Thus, for a standard well-designed comparative microarray experiment, a fairly typical prescription for determining a gene expression signature could include (1) an individual gene analysis to identify differentially expressed genes using a method that borrows strength across genes to increase efficiency (2) an analysis of gene sets to identify affected biological processes and pathways (3) an ensemble classification procedure to identify similarities and/or dissimilarities amongst the samples and the genes associated with any dissimilarities (4) a procedure to integrate concomitant data to assess concurrence of findings. This course will introduce the issues underlying microarray data analysis and review this multi-faceted approach.

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#	Room	ID	EC#	Time	Speaker	Title
	New Aula NB	S01		09:00-10:30		**Plenary Session, State Of The Art Lectures**
		S01.0		09:00-09:20	ISCB LOC Chair	**Welcome And Opening Of The Conference**
1		S01.1	298	09:20-09:50	Neil Hawkins	You Can Run, But You Cannot Hide: Decision-Making And Indirect Comparisons In A Resource Limited Healthcare System
2		S01.2	299	09:50-10:20	Tony Ades	Pairwise Meta-Analysis And Indirect Comparisons: Equally Biased, Or Equally Meaningless?
3		S01.3		10:20-10:30	Theo Stijnen	Discussion With Discussant
	RB101	S02		11:00-12:30		**Invited Session: Joint Modelling Of Longitudinal And Survival Data**
4		S02.1	203	11:00-11:30	Jane-Ling Wang, Yikuan Tseng and Meng Mao	An Extended Hazard Model With Longitudinal Covariates
5		S02.2	142	11:30-12:00	Daniel Farewell	Generalized Estimating Equations For Censored Data
6		S02.3	180	12:00-12:30	Cecile Proust-Lima and Helene Jacqmin-Gadda	Joint Modeling Of Cognitive Decline And Time-To-Dementia: A Latent Variable Approach
	RB210	S03		11:00-12:30		**Contributed Session: Epidemiology I**
7		S03.1	72	11:00-11:18	Simon Thompson, Ulf Ekelund, Susan Jebb, Anna Karin Lindroos, Adrian Mander, Stephen Sharp, Rebecca Turner and Desiree Wilks	Bias Adjustment Methods For Meta-Analyses Of Published Observational Studies
8		S03.2	202	11:18-11:36	Michal Abrahamowicz, Marie-Eve Beauchamp, Raluca Ionescu-Ittu and Joseph A "Chris" Delaney	Reducing The Variance Of The Instrumental Variable-Based Estimates Of Treatment Effect In Pharmaco-Epidemiology
9		S03.3	301	11:36-11:54	Olivier Tapin, Christian de Peretti, Frederick Cosnard	Avoidable Consultations In General Medicine: Identification Method And Avoidable Cost Assessment
10		S03.4	282	11:54-12:12	Sayed Mohsen Hosseini, Roya Kelishadi and Marjan Mansourian	Risk Scoring System For Prediction Of Abdominal Obesity In An Iranian Population Of Youths: Caspian Study
11		S03.5	317	12:12-12:30	TBA	TBA
	RB211	S04		11:00-12:30		**Contributed Session: Diagnostic Methods I**
12		S04.1	17	11:00-11:18	Dan Jackson, Ian White and Simon Thompson	Multivariate Dersimonian And Laird Random Effects Meta-Analysis-Theory And Applications
13		S04.2	28	11:18-11:36	Michael Haber and Yi Pan	A New Permutation-Based Method For The Evaluation Of The Agreement Between Two Observers With Replicated Binary Observations
14		S04.3	51	11:36-11:54	Elisabeth Svensson	Different Ranking Approaches Defining Association And Agreement Measures Of Paired Ordinal Data
15		S04.4	140	11:54-12:12	Ulla B. Mogensen.	Applications Of Random Survival Forests Based On Pseudo-Values
16		S04.5	226	12:12-12:30	Fabien Valet and Jean-Yves Mary	Power And Log-Linear Non-Uniform Association Models In Agreement Studies
	RB212	S05		11:00-12:30		**Contributed Session: Statistical Genetics I**
17		S05.1	289	11:00-11:18	Tingting Song and Knut M. Wittkowski	Hierarchical Factor Structures Improve Information Content For Complex Phenotypes, Genomic Pathways, And Epistatic Interaction
18		S05.2	38	11:18-11:36	Sandra Waaijenborg and Aeilko H. Zwinderman	Associating Multiple Longitudinal Intermediate Risk Factors With A Set Of Snps
19		S05.3	49	11:36-11:54	Alejandro Caceres and Juan Ramon Gonzalez	Multiple-Correspondence Discriminant Analysis Of Copy Number Variation (Cnv) Across The Human Genome
20		S05.4	68	11:54-12:12	Simon Thompson and Stephen Burgess	Meta-Analysis Of Causal Relationships Using Genetic Instrumental Variables
21		S05.5	229	12:12-12:30	Philippe Haldermans and Ziv Shkedy	Weighted Ensemble Lasso: Prediction Using Genetic Information When The Number Of Samples Is Limited

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#	Room	ID	EC#	Time	Speaker	Title
	RB101	S06		14:00-15:30		**Contributed Session: Methodology For Survival Outcomes**
22		S06.1	53	14:00-14:18	Milada Cvancarova Småstuen, Bjarte Aagnes, Tom Børge Johannesen, Bjørn Møller and Freddie Bray	Proportion Cured Models Applied To A Large Data Set Of 23 Cancer Sites
23		S06.2	70	14:18-14:36	Rebecca Betensky	Analysis Of Age Of Onset Under Sequential Truncation
24		S06.3	143	14:36-14:54	Ella Huszti, Michal Abrahamowicz, Ahmadou Alioum and Catherine Quantin	Comparison Of Alternative Approaches To Testing Of The Differences In The Impact Of A Prognostic Factor On Different Competing Event
25		S06.4	169	14:54-15:12	Michael Lauseker, Jörg Hasford and Andreas Hochhaus	Prediction In Multi-State Models And Its Application In Chronic Myeloid Leukaemia
26		S06.5	222	15:12-15:30	Martin Wolkewitz, Arthur Allignol, Martin Schumacher and Jan Beyersmann	Understanding And Avoiding Survival Bias: An Application Of Multistate Models In A Cohort Of Oscar Nominees
	RB210	S07		14:00-15:30		**Contributed Session: Incomplete Longitudinal Data**
27		S07.1	88	14:00-14:18	Menelaos Pavlou, Andrew Copas and Shaun Seaman	Efficient Weighted Generalised Estimating Equations When The Cluster Size Or Covariate Structure Are Informative
28		S07.2	5	14:18-14:36	Dimitris Rizopoulos, Geert Verbeke and Geert Molenberghs	Residuals For Joint Models For Longitudinal And Time-To-Event Data
29		S07.3	19	14:36-14:54	Ryoji Nakamura, Toshiro Tango, Naoko Taguchi and Eisuke Hida	A Mixture Model Combined With Proportional Odds Model For Repeated Measurements In Randomized Controlled Trials
30		S07.4	71	14:54-15:12	Jessica Barrett, Fotios Siannis and Vern Farewell	The Analysis Of Interval-Censored, Semi-Competing Risks Data In The Presence Of Informative Loss-To-Followup
31		S07.5	189	15:12-15:30	Shaun Seaman, Ian White and Andrew Copas	Combining Multiple Imputation And Inverse Probability Weighting
	RB211	S08		14:00-15:30		**Contributed Session: Diagnostic Methods II**
32		S08.1	220	14:00-14:18	Giuliana Cortese and Laura Ventura	Recent Advances On The Area Under The Roc Curve Of A Diagnostic Test With Small Samples
33		S08.2	78	14:18-14:36	Marie Reilly and Tao Dong	Estimating Individual Peptide Effects From Pooled-Peptide Elispot Assays
34		S08.3	80	14:36-14:54	Carla Moreira and Jacobo De Uña Álvarez	Analysis Of Incomplete Data Due To Double Truncation
35		S08.4	89	14:54-15:12	Arnošt Komárek, Bettina E. Hansen, Edith M. M. Kuiper, Emmanuel Lesaffre and Henk R. van Buuren	Prediction Of Binary Outcome On Basis Of Multivariate Longitudinal Observations: Dutch Primary Biliary Cirrhosis Study
36		S08.5	132	15:12-15:30	James Doecke, Norm Good and Graham Radford-Smith	A Weighted Roc Curve Model Identifies Sample Specific Prognostic Indicators For Outcomes In Patients With Acute Severe Ulcerative Colitis
	RB212	S09		14:00-15:30		**Contributed Session: Statistical Genetics II**
37		S09.1	128	14:00-14:18	Harald Binder, Christine Porzelius and Martin Schumacher	Quantifying Uncertainty Of Gene List Elements From High-Dimensional Risk Prediction Models
38		S09.2	158	14:18-14:36	Daniela Dunkler and Georg Heinze	Gene Selection From Microarray Data Under Non-Proportional Hazards
39		S09.3	79	14:36-14:54	Benjamin Yip, Tron Anders Moger and Yudi Pawitan	Statistical Genetics Analysis Of Survival Traits Based On Case-Control Family Data
40		S09.4	151	14:54-15:12	Chen Yuming	A New Searching Procedure For Multiple Quantitative Trait Loci Detection
41		S09.5	270	15:12-15:30	Tom Palmer, Debbie Lawlor and Jonathan Sterne	Including Multiple Instrumental Variables In Mendelian Randomization Analyses

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#	Room	ID	EC#	Time	Speaker	Title
	RB101	S10		16:00-17:50		**Contributed Session: Surrogate Markers**
42		S10.1	56	16:00-16:18	Shiro Tanaka and Sachiko Tanaka	Semiparametric Estimation Of Psa Nadir Using Model Averaging
43		S10.2	122	16:18-16:36	Yohann Foucher, Magali Giral and Jean-Paul Soulilou	Time-Dependent Roc Analysis For A Three-Class Prognostic
44		S10.3	165	16:36-16:54	Florian Pedross, Oliver Wrulich and Norbert Netzer	Microarray Analysis With Spherical Kernel Estimators Using Correlation Information For Class Prediction
45		S10.4	262	16:54-17:12	Wiebke Werft and Axel Benner	A Comparison Of Bootstrap Based Multiple Testing Procedures
46		S10.5	271	17:12-17:30	Lucinda Billingham amd Deborah Stocken	Trial Designs To Assess Biomarkers In Clinical Practice
47		S10.6	277	17:30-17:48	Knut M. Wittkowski	Composite Endpoints Versus Combined Evidence
	RB210	S11		16:00-17:50		**Contributed Session: Clinical Trials I**
48		S11.1	55	16:00-16:18	John Whitehead, Michael Branson and Suan Todd	A Combined Score Test For Binary And Ordinal Endpoints From Clinical Trials
49		S11.2	57	16:18-16:36	Steven Teerenstra, Bing Lu, John Preisser, Theo Van Achterberg and George Borm	Sample Size Considerations For Gee Analyses Of Three-Level Cluster Randomized Trials
50		S11.3	211	16:36-16:54	Atanu Biswas and Alexander de Leon	Modeling And Pairwise Likelihood Approach Of Estimation For Mixed Continuous And Discrete Data
51		S11.4	123	16:54-17:12	Fiona Ewings, A Sarah Walker, Kholoud Porter and Andrew Copas	Using Causal Models To Determine Optimal Dynamic Treatment Regimes With A Time-To-Event Outcome
52		S11.5	160	17:12-17:30	Ranjit Lall and Sallie Lamb	The Analysis Of An Individually Randomised Clinical Trial Of Back Pain With Clustering Effects Due To Group Sessions And Repeated Measures
53		S11.6	286	17:30-17:48	Masayuki Henmi and John Copas	Improving Coverage Probabilities Of Confidence Intervals In Random Effects Meta-Analysys With Publication Bias
	RB211	S12		16:00-17:50		**Contributed Session: Incomplete Data Methodology**
54		S12.1	3	16:00-16:18	Lynne Moore, James A Hanley, André Lavoie and Alexis F Turgeon	Multiple Imputation Of Ordinal Variables Using Adaptive Thresholds
55		S12.2	50	16:18-16:36	An Creemers, Niel Hens, Marc Aerts, Geert Molenberghs, Geert Verbeke and Michael Kenward	A Sensitivity Analysis In The Shared Parameter Modeling Framework
56		S12.3	131	16:36-16:54	Katherine Lee and John Carlin	Multiple Imputation For Missing Data: Fully Conditional Specification Compared With Multivariate Normal
57		S12.4	164	16:54-17:12	Andrew Titman, Gillian Lancaster, Diane Scutt and Katie Carmichael	Accounting For A Non-Ignorable Tracing Mechanism In A Retrospective Breast Cancer Cohort Study
58		S12.5	195	17:12-17:30	Giorgos Bakoyannis and Giota Touloumi	Modeling Cumulative Incidence Function Of A Competing Risk With Partially Observed Cause Of Failure
59		S12.6	146	17:30-17:48	Michael Kenward and Gerd Rosenkranz	Joint Modeling Of Outcome, Observation Time And Missingness
	RB212	S13		16:00-17:50		**Contributed Session: Longitudinal And Hierarchical Data Analysis I**
60		S13.1	150	16:00-16:18	Hayley Jones and David Spiegelhalter	A Comparison Of The Forecasting Ability Of Models For Teenage Conceptions And Mrsa Bacteraemia Rates
61		S13.2	171	16:18-16:36	Stanislav Katina, Lisa Oberzaucher and Karl Grammer	3-Block Partial Least Squares: Relation Of Skin Texture And Attractiveness To Facial Shape And Size
62		S13.3	214	16:36-16:54	José Cortiñas Abrahantes, Kristien Wouters, Geert Molenberghs, Helena Geys, Abdellah Ahnaou, Wilhelmus H.I.M. Drinkenburg and Luc Bijnens	Multivariate Functional Linear Discriminant Analysis In Combination With Pairwise Pseudo-Likelihood Techniques
63		S13.4	276	16:54-17:12	Jonathan Bartlett, Bianca De Stavola and Chris Frost	Using Linear Mixed Models To Efficiently Allow For Covariate Measurement Error Using Replication Data
64		S13.5	316	17:12-17:30	M. Rauf Ahmad (CAS)	Two Robust Statistics For The Analysis Of High Dimensional Repeated Measures Data
65		S13.6	11	17:30-17:48	Mousumi Banerjee and David Miller	A Cross-Classified Hierarchical Model For Studying Surgical Patterns Among Patients With Kidney Cancer

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#	Room	ID	EC#	Time	Speaker	Title
	RB101	S14		09:00-10:30		**Invited Session: Regulatory Affairs**
66		S14.1	259	09:00-09:30	Frank Rockhold	Some Perspectives On The Impact Of The International Conference On Harmonization's E9 'statistical Principles For Clinical Trials' – 10 Years Of Experience
67		S14.2	268	09:30-10:00	Joachim Roehmel	Recent Methodological Advances Contributing To Clinical Trials And Regulatory Statistics
68		S14.3	265	10:00-10:30	Robert T O'Neill	A Perspective On The Challenges And Opportunities For Statistics In The Evolution Of Product Development And Regulation
	RB210	S15		09:00-10:30		**Contributed Session: Methods In HIV And Infectious Diseases I**
69		S15.1	42	09:00-09:18	Caroline Bascoul-Mollevi and Andrew Kramar	Multi-Stage Early Stopping Designs In Clinical Trials For The Occurrence Of Serious Adverse Events
70		S15.2	43	09:18-09:36	Elizabeth McKinnon and Ian James	Retrospective Matching Analysis Of Induction/Maintenance HIV Treatment Strategies
71		S15.3	139	09:36-09:54	Jon Michael Gran	A Sequential Cox Approach For Estimating The Causal Effect Of Treatment In The Presence Of Time Dependent Confounding
72		S15.4	282	09:54-10:12	Zsolt Lang (CAS) and Jeno Reiczigel	Statistical Inference For Mean Contact Rate In Spatially Structured Seir Models
73		S15.5	24	10:12-10:30	Julia Drylewicz, Daniel Commenges and Rodolphe Thiebaut	Score Tests For Exploring Complex Models: Application To HIV Dynamics Models
	RB211	S16		09:00-10:30		**Contributed Session: Inferential Methods In Survival Analysis I**
74		S16.1	63	09:00-09:18	Anika Buchholz, Willi Sauerbrei and Patrick Royston	On Properties Of The MFPT Approach For Modelling Time-Varying Effects In The Cox Model
75		S16.2	91	09:18-09:36	Thomas Kneib	Semiparametric Multi-State Models
76		S16.3	138	09:36-09:54	Samo Wakounig and Michael Schemper	Nonparametric Estimation Of Relative Risk In Survival And Associated Tests
77		S16.4	154	09:54-10:12	Marie Denis and Nicolas Molinari	Free Knot Splines With RJMCMC In Survival Data Analysis
78		S16.5	166	10:12-10:30	Helmut Sitter and Karl-Heinz Schild	Double Robust Estimation In Cox Models Using A Dynamic Propensity Score
79	RB212	S17		09:00-10:30		**Contributed Session: Clinical Trials Methodology**
		S17.1	16	09:00-09:18	Boikanyo Makubate and Stephen Senn	Planning And Analysis Of Cross-Over Trials In Infertility
80		S17.2	40	09:18-09:36	Takashi Daimon, Zohar Sarah and John O'Quigley	Prior-Adaptive Continual Reassessment Method In Dose-Finding Studies
81		S17.3	74	09:36-09:54	Anne Whitehead, Helene Thygesen and John Whitehead	A Bayesian Dose-Escalation Procedure For Phase I Clinical Trials Based Only On The Assumption Of Monotonicity
82		S17.4	179	09:54-10:12	Gordana Jovic and John Whitehead	Exact Methods For Analysing Two-Stage Phase II Clinical Trials In Cancer
83		S17.5	217	10:12-10:30	Paola Rebora, Stefania Galimberti and Maria Grazia Valsecchi	A Class Of Non Parametric One Sample Tests For The Analysis Of Recurrent Events

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#	Room	ID	EC#	Time	Speaker	Title
	RB101	S18		11:00-12:30		**Invited Session: Incomplete Data**
84		S18.1	313	11:00-11:30	James Carpenter	Statistical Methods For Clinical Studies With Missing Data: What's Hot, What's Cool And What's Useful?
85		S18.2	149	11:30-12:00	Craig Mallinckrodt and Michael Kenward	Conceptual Considerations Regarding Endpoints, Hypotheses, And Analyses For Incomplete Longitudinal Clinical Trial Data
86		S18.3	266	12:00-12:30	Robert T O'Neill	FDA's Missing Data Initiative: Bringing Consensus On Missing Data In Clinical Studies Intended To Support Efficacy And Safety
	RB210	S19		11:00-12:30		**Contributed Session: Survival Analysis Methodology In Clinical Trials**
87		S19.1	115	11:00-11:18	Giuliana Cortese and Per Kragh Andersen	Internal Time-Dependent Covariates In Competing Risks Models For Bone Marrow Transplant Studies
88		S19.2	77	11:18-11:36	Bart Van Rompaye (SCA), Els Goetghebeur and Shabbar Jaffar	Design And Testing For Clinical Trials Faced With Misclassified Causes-Of-Death
89		S19.3	163	11:36-11:54	Jozefien Buyze and Els Goetghebeur	Crossover Studies With Survival Outcomes
90		S19.4	208	11:54-12:12	David Dejardin, Emmanuel Lesaffre and Geert Verbeke	Prediction The Outcome Of The Comparison Of Time To Death In An Oncology Clinical Trial, Using Progression Free Survival And Time To Death Data
91		S19.5	273	12:12-12:30	Andreas Faldum	Interim Patients In Adaptive Survival Trials
	RB211	S20		11:00-12:30		**Contributed Session: Clinical Trials II**
92		S20.1	223	11:00-11:18	David Oakes	The Randomized Start Design For Clinical Trials In Parkinson's Disease
93		S20.2	46	11:18-11:36	Matthieu Resche-Rigon, Sarah Zohar and Sylvie Chevret	Bivariate Dose-Finding Phase I/II Considering Both Toxicity And Late-Onset Therapeutic Response
94		S20.3	172	11:36-11:54	Elsa Valdés-Márquez, Tim Friede, Susan Todd, Nigel Stallard, Nicholas Parsons, Richard Nicholas and Jeremy Chataway	Adaptive Clinical Trials Incorporating Treatment Selection And Evaluation: Methodology And Applications In Multiple Sclerosis
95		S20.4	201	11:54-12:12	W. J. Hall	Adapting One-Sided Sequential Designs To Enable Two-Sided Testing
96		S20.5	260	12:12-12:30	Thomas Hamborg and John Whitehead	Adaptive Designs For Survival Studies With Subgroup Selection Based On Predictive Biomarkers
	RB212	S21		11:00-12:30		**Contributed Session: Epidemiology II**
97		S21.1	8	11:00-11:18	Stephen Walter	Relative Efficiency Of Treatment Effect Estimates From Unadjusted And Adjusted Analyses With Missing Data At Baseline
98		S21.2	114	11:18-11:36	Graciela Muniz Terrera, Ardo VandenHout, Fiona Matthews, Andrea Piccinin and Scott Hofer	An Investigation Of The Terminal Decline Hypothesis: Results From A UK Population-Based Study Of Aging
99		S21.3	29	11:36-11:54	Jack Bowden and Stijn Vansteelandt	IV-Estimators Of The Causal Odds Ratio For A Continuous Exposure In Prospective And Retrospective Designs
100		S21.4	99	11:54-12:12	Sofia Dias, Nicky Welton, VCC Marinho, G Salanti and AE Ades	Estimation And Adjustment Of Bias In Randomised Evidence Using Mixed Treatment Comparison Meta-Analysis
101		S21.5	64	12:12-12:30	Linda Harrison, David T. Dunn, Hannah Green and Andrew J. Copas	Modelling The Association Between Patient Characteristics And The Change Over Time In A Disease Process Using Observational Cohort Data

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#	Room	ID	EC#	Time	Speaker	Title
Wednesday 26.8.2009						
	RB101	**S22**		**08:30-10:00**		**Invited Session: Statistical Methods In HIV/Aids Research**
102		S22.1	256	08:30-09:00	Nicholas Jewell	Alternatives To Intention To Treat: Direct Effects Of HIV Prevention Methods In The Mira Study
103		S22.2	312	09:00-09:30	Victor deGruttola and Shannon Stock	Statistical Issues In Models Investigating The Possibility Of Control Of The HIV Epidemic
104		S22.3	106	09:30-10:00	Alex Welte and Thomas McWalter	Inferring Rates From Instantaneous State Variables: Application To HIV Incidence Estimation
	RB210	**S23**		**08:30-10:00**		**Contributed Session: Repeated And Recurrent Events**
105		S23.1	66	08:30-08:48	Lang'o Odondi and Roseanne McNamee	Performance Of Statistical Methods For Analyzing Survival Data In The Presence Of Non-Random Noncompliance
106		S23.2	126	08:48-09:06	Tron Anders Moger, Marion Haugen, Ben Yip, Håkon Gjessing and Ørnulf Borgan	A Frailty Analysis Of Two-Generation Melanoma Data From The Swedish Multi-Generation Register
107		S23.3	156	09:06-09:24	Robin Van Oirbeek and Emmanuel Lesaffre	A New Discrimination Index For Frailty Survival Models
108		S23.4	65	09:24-09:42	Per Kragh Andersen, Kajsa Kvist and Lars Kessing	Effect Of Event-Dependent Sampling Of Recurrent Events.
109		S23.5	125	09:42-10:00	Michael Schemper and Alexandra Kaider	Quantifying The Correlation Of Bivariate Survival Times By Means Of A Novel Self-Consistency Approach
	RB211	**S24**		**08:30-10:00**		**Contributed Session: Inferential Methods In Survival Analysis II**
110		S24.1	186	08:30-08:48	Zakiyah Zain	A Method Of Deriving An Estimator For The Correlation Between Two Score Statistics From Interval Censored Survival Data
111		S24.2	315	08:48-09:06	Samuel M Mwalili (CAS)	The Influence Of The Operator And Assistant Experience On The Survival Of Proximal Art Restorations: A Kaplan-Meier Survival Analysis
112		S24.3	62	09:06-09:24	Stefanie Hieke, Martin Schumacher and Jan Beyersmann	On Simultaneous Confidence Bands For The Difference Of Cumulative Incidence Functions With An Application To Bloodstream Infection During Neutropenia
113		S24.4	27	09:24-09:42	Ronald Geskus	Subdistribution Hazard: Estimation And Inference
114		S24.5	60	09:42-10:00	James Hanley and Olli Miettinen	Profile-Specific Survival Estimates: Fitting Smooth-In-Time Prognostic Risk Functions Via Logistic Regression
	RB212	**S25**		**08:30-10:00**		**Contributed Session: Bayesian Methods II**
115		S25.1	104	08:30-08:48	Helene Thygesen, Anne Whitehead and John Whitehead	A Bayesian Dose-Escalation Procedure For Phase I/II Clinical Trials Based On Bivariate Outcomes
116		S25.2	112	08:48-09:06	Nibedita Bandyopadhyay and Ananda Sen	Bayesian Modeling Of Recurrent Event Data With Informative Censoring
117		S25.3	81	09:06-09:24	Ruth Pickering	A Comparison Of Interval Estimates Of The Reliability Coefficient/ICC Obtained From Bayesian Rejection Sampling And The Adjusted Searle Method, In Small Studies
118		S25.4	127	09:24-09:42	Aletta Nonyane and John Whittaker	A Variance Components Factor Model For Genetic Association Studies: A Bayesian Analysis
119		S25.5	246	09:42-10:00	Pablo Verde	Meta-Analysis Of Diagnostic Test: A New Bayesian Approach
	New Aula NB	**S26**	308	**10:30-11:20**	Marc Buyse	**President's Invited Lecture**
		S26.1		**11:20-11:30**	SPC Chair/ISCB President	**Discussion**
		S26.2		**11:30-12:00**	Stephen Senn, John Whitehead	**Historical Lecture**
		S26.3		**12:00-12:15**	ISCB President	**Conferment Of Honorary Membership**
		S26.4		**12:15-13:30**	ISCB President/ExCom	**Annual General Meeting**

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#	Room	ID	EC#	Time	Speaker	Title
	RB101	S27		14:00-15:30		**Contributed Session: Methods In HIV And Infectious Diseases II**
120		S27.1	15	14:00-14:18	Michael Sweeting and Daniela De Angelis	Modelling The Growth Of An HIV Incidence Assay In Patients With Early HIV Infection And Predicting Time Of Infection
121		S27.2	45	14:18-14:36	Ian James and Elizabeth McKinnon.	Estimation Of Natural HIV Disease Progression Incorporating Unknown Infection Dates
122		S27.3	287	14:36-14:54	Willem van der Wal, Julia del Amo-Valero, Kholoud Porter, Santiago Perez-Hoyos, Maria Prins and Ronald Geskus	Causal Effect Of Aids-Defining Conditions On Mortality Modified By Haart Use And Calendar Time
123		S27.4	26	14:54-15:12	Ronald Geskus, Nicolas Poulin, Hilton Whittle and Maarten Schim van der Loeff	A Markov Cure Model To Compare Progression Of HIV-1 And HIV-2 Infection
124		S27.5	157	15:12-15:30	Vana Sypsa, Sotiris Tsiodras and Angelos Hatzakis	Modeling The Spread And Control Of Infectious Diseases: An Example On Influenza Pandemic
	RB210	S28		14:00-15:30		**Contributed Session: Incomplete Data In Clinical Trials**
125		S28.1	196	14:00-14:18	Evridiki Batistatou and Roseanne McNamee	Grouping Vs. Non-Grouping Approaches To Correct For Measurement Error In Two-Stage Designs
126		S28.2	118	14:18-14:36	TBA	TBA
127		S28.3	47	14:36-14:54	Mausumi Bose (CAS)	Crossover Designs Which Remain Efficient Under Subject Dropouts
128		S28.4	119	14:54-15:12	Ian White, James Carpenter and Nicholas Horton	Should Individuals With Missing Outcomes Be Included In The Analysis Of A Randomised Trial?
129		S28.5	75	15:12-15:30	Muna Arephin (SCA), Peter Sasieni and Jack Cuzick	Order Restricted Hypothesis Testing For Three-Arm Clinical Trials
	RB211	S29		14:00-15:30		**Contributed Session: Epidemiology III**
130		S29.1	188	14:00-14:18	David Fisher, Andrew Copas, Jayne Tierney and Mahesh Parmar	A Critical Review Of Methods And Guidance On The Assessment Of Interactions In Individual Patient Data (IPD) Meta-Analysis
131		S29.2	147	14:18-14:36	Juliette Pénichoux, Aurélien Latouche and Thierry Moreau	A Regression Model For Recurrent Events With Distribution Free Correlation Structure
132		S29.3	185	14:36-14:54	Ruth Keogh and Ian White	Correction For Measurement Error In Nutritional Epidemiology: A Measurement Error Model Allowing For Never-Consumers
133		S29.4	225	14:54-15:12	Ruediger P. Laubender	Assessing The Properties Of An Adjusted Risk Difference For Survival Probabilities In Randomized Controlled Trials
134		S29.5	249	15:12-15:30	Mei-Ling Ting Lee and George Whitmore	Comparisons Of Proportional Hazards And Threshold Regression
	RB212	S30		14:00-15:30		**Contributed Session: Statistical Modelling**
135		S30.1	187	14:00-14:18	Gareth Ambler and Rumana Z Omar	How Many Events Do We Need To Fit A Risk Model?
136		S30.2	4	14:18-14:36	Lynne Moore, James A Hanley, André Lavoie and Alexis F Turgeon	Assessing The Impact Of The Choice Of Modelling Strategy For Quantitative Covariates On Risk Adjustment
137		S30.3	153	14:36-14:54	Obioha Ukoumunne, Andrew Forbes, Martin Gulliford, John Carlin and Elizabeth Williamson	Estimating The Adjusted Risk Difference In Observational Studies Using Propensity Score-Based Weighting
138		S30.4	291	14:54-15:12	Manuel Perera Chang	On New Proof Of Equivalence Criteria Based On Coefficients Of Multivariate Regression Models
139		S30.5	309	15:12-15:30	Caroline Siani, Christian de Peretti, Christel Castelli, Gerard Duru, and Jean-Pierre Daures	Uncertainty Around The Utility Estimate Accounting For Mapping Interpolation

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Wednesday 26.8.2009						
	RB101	S31		16:00-17:50		**Contributed Session: Clinical Trials III**
140		S31.1	10	16:00-16:18	Ralf Bender	Estimating The Number Needed To Treat With Adjustment For Balanced Covariates In Clinical Trials
141		S31.2	2	16:18-16:36	Chin-Fu Hsiao and Jen-pei Liu	Sample Size Determination For A Specific Region In A Multi-Regional Trial
142		S31.3	30	16:36-16:54	Cornelia Ursula Kunz and Meinhard Kieser	Optimal Two-Stage Designs For Phase II Cancer Trials With Two Endpoints
143		S31.4	32	16:54-17:12	Thomas Jaki and John Whitehead	One- And Two-Stage Design Proposals For A Phase II Trial Comparing Three Active Treatments With Control Using An Ordered Categorical Endpoint
144		S31.5	86	17:12-17:30	Yunchan Chi and Chia-Min Chen	Curtailed Two-Stage Designs With Bivariate Binary Endpoints In Phase II Clinical Trials
145		S31.6	251	17:30-17:48	Rogier Donders and George F. Borm	How Low Can You Go: Tampering With The ICH-E9 Guideline.
	RB210	S32		16:00-17:50		**Contributed Session: Health Economic Evaluation**
146		S32.1	25	16:00-16:18	Bjoern Stollenwerk, Rolf Holle and Reiner Leidl	Comparing Different Health Status Valuation Methods: How Can We Test Whether Covariates Impact The Structural Relationship?
147		S32.2	130	16:18-16:36	Thomas Grubinger, Conrad Kobel and Karl-Peter Pfeiffer.	Regression Tree Construction By Bootstrap: Model Search For The Austrian Drg-System
148		S32.3	261	16:36-16:54	Andrew Briggs, Kathleen Boyd, John Norrie and Sarah Stock.	Power & Sample Size For Cost-Effectiveness Analysis: A Real Life Case Study
149		S32.4	294	16:54-17:12	Jaime Peters, Keith Abrams, Alex Sutton, Nicola Cooper and David Spiegelhalter	A Bayesian Re-Analysis Of A Health Technology Assessment: Evaluation Of Modelling Assumptions
150		S32.5	304	17:12-17:30	Christian de Peretti, Olivier Tapin and Frederick Cosnard.	Avoidable Consultations In General Medicine: Identification Method And Avoidable Cost Assessment
151		S32.6	288	17:30-17:48	Jose F. Morales and Knut M. Wittkowski.	A Direct Empirical Approach To Detecting Networks Of Collaborating, Non-Correlated Pathways
	RB211	S33		16:00-17:50		**Contributed Session: Biomedical Informatics**
152		S33.1	12	16:00-16:18	Ola Caster, Johanna Strandell, Andrew Bate and I. Ralph Edwards	Automatic Extraction Of Adverse Drug Reaction Terms From Medical Free Text
153		S33.2	76	16:18-16:36	Uttam Sarkar, Dilip Sarkar and Mitsunori Ogihara	Some Interesting Patterns In The Adverse Event Reporting System Of The Food And Drug Administration
154		S33.3	82	16:36-16:54	Zdeněk Valenta, Michal Kolář, Hana Grünfeldová, Ivan Mazura, Petra Feglarová and Jana Zvárová	Genome-Wide Analysis Of Genetic Predisposition In Patients With The History Of Acute Myocardial Infarction
155		S33.4	109	16:54-17:12	Pavel Kriz, Michaela Seydlova, Tatjana Dostalova and Jana Zvarova	Dental Implant Rehabilitation And Quality Of Live
156		S33.5	183	17:12-17:30	Manuela Zucknick, Axel Benner and Thomas Hielscher	The Challenge Of Initial Screening In High-Dimensional Penalised Cox Regression
157		S33.6	227	17:30-17:48	Fabien Valet, Eléonore Gravier, Yann De-Rycke and Bernard Asselain	Dealing With Correlation In Regression Models: Application To Microarrays Data Analysis
	RB212	S34		16:00-17:50		**Contributed Session: Longitudinal And Hierarchical Data Analysis II**
158		S34.1	111	16:00-16:18	Maarten Bekaert (SCA) and Stijn Vansteelandt	Estimation Of Marginal Structural Survival Models In The Presence Of Competing Risks
159		S34.2	145	16:18-16:36	Marta Fiocco, Hein Putter and Hans van Houwelingen	Meta-Regression Of Paired Survival Curves Under Heterogeneity: A Poisson Correlated Gamma Frailty Approach
160		S34.3	7	16:36-16:54	Marek Molas and Emmanuel Lesaffre	Hierarchical Hurdle Models For Zero-Inflated Count Data Of Complex Designs
161		S34.4	58	16:54-17:12	Roula Tsonaka, Geert Verbeke and Geert Molenberghs	A Goodness-Of-Fit Test For The Random Effects Distribution In Mixed Models
162		S34.5	212	17:12-17:30	Saskia le Cessie, Friedo Dekker and Diana Grootendorst	Analyzing Longitudinal Data With A Floor Level At Zero
163		S34.6	253	17:30-17:48	María José García-Zattera, Timothy Mutsvari, Alejandro Jara, Dominique Declerk and Emmanuel Lesaffre	Correcting For Misclassification For A Monotone Disease Process With An Application In Dental Research
	RBXXX	S35		16:00-17:50		**Contributed Session: Competing Risks**
164		S35.1	20	16:00-16:18	Jan Beyersmann, Aurelien Latouche, Anika Buchholz and Martin Schumacher	Simulating Competing Risks Data In Survival Analysis.
165		S35.2	41	16:18-16:36	Arthur Allignol, Martin Schumacher, Reinhard Meister and Jan Beyersmann	Performance Of Variance Estimators Of The Cumulative Incidence Function For Left-Truncated Competing Risks Data
166		S35.3	110	16:36-16:54	Nuria Porta, M. Luz Calle and Guadalupe Gómez	Interval Censored Semi-Competing Risks Data
167		S35.4	184	16:54-17:12	Mioara Alina Nicolaie, Hans van Houwelingen and Hein Putter	Vertical Modeling: A "Pattern Mixture" Approach For Competing Risks Data
168		S35.5	209	17:12-17:30	Nadine Grambauer, Martin Schumacher and Jan Beyersmann	Incidence Densities In A Competing Events Setting
169		S35.6		17:30-17:48	Rosa E. Jiménez, Sandra Lopez, Teddy O. Tmargo and Armando Pardo (CAS)	Mortality And Risk Adjustment Before Assessing Quality In The Intensive Care Unit Of Hermanos Ameijeiras General Hospital In Havana

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Thursday 27.8.2009						
Mini Symposium on Biomedical Informatics						
#	**Room**	**EC#**	**ID**	**Time**	**Speaker**	**Title**
	New Aula NB		**MS01**	**09:00 - 13:00**		
170		302	MS01.1	09:00 - 09:40	Wolfgang Huber	Recent Developments In Statistical Software For Analysis Of Complex Genomic Data
171		303	MS01.2	09:40 - 10:20	Alvis Brazma	Development Of Data Integration For Cellular Data, Development Of Software And Standards To Handle Related Problems
172		105	MS01.3	10:20 - 11:00	Igor Vajda	Information Theory Models For Clinical Decision Support
173		108	MS01.4	11:40 - 12:20	Pirkko Nykänen	Data And Information In Electronic Health Records-Current Situation And Challenges For The Future
174		301	MS01.5	12:20 - 13:00	Jan H van Bemmel	R&D For Knowledge And Decisions In Healthcare
Mini Symposium on Statistics in Vaccines Research						
#	**Room**		**ID**	**Time**	**Speaker**	**Title**
	Old Aula NB		**MS02**	**09:00 - 13:00**		
175		307	MS02.1	09:00 - 09:30	Robert C Kohberger	Practical Issues in Vaccine Trial Interim Analysis
176		284	MS02.2	09:30 - 10:00	Ivan Chan	Interim Analysis Strategies for Adaptation in Seamless Phase II/III Vaccine Trials
			MS02.3	10:00 - 10:45	*Open Discussion*	
177		280	MS02.4	11:15 - 11:45	Bernhard Klingenberg	Simultaneous Upper Confidence Bounds For The Relative Risk In Multiple Comparisons To Control
178		306	MS02.5	11:45 - 12:15	Sang Ahnn	Multiple Endpoints in Vaccine Trials
			MS02.6	12:15 - 13:00	*Open Discussion*	

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EC#	ID	Theme	Poster Authors	Poster Titles
194	P01.1	Cancer methodology	Tomas Pavlik, Ondrej Majek, Ladislav Dusek, Jan Muzik, Jitka Abrahamova and Jiri Vorlicek	Modelling Excess Mortality Associated With Most Prevalent Cancers In The Czech Republic: Time Trends And The Role Of Anticancer Treatment
235	P01.2	Cancer methodology	Ondrej Majek, Tomas Pavlik, Ladislav Dusek, Eva Gelnarova, Jan Muzik, Jana Koptikova, Rostislav Vyzula and Jindrich Finek	Number Of Cancer Patients In The Czech Republic: Predictive Statistical Models For Cancer Incidence And Survival
237	P01.3	Cancer methodology	Ondrej Majek, Ladislav Dusek, Daniel Klimes, Jan Danes, Helena Bartonkova and Miroslava Skovajsova	Population-Averaged And Cluster-Specific Models For Evaluating Performance Indicators In Czech Breast Cancer Screening Programme
247	P01.4	Cancer methodology	María Xosé Rodríguez-Álvarez, Carmen Cadarso-Suárez, Pablo G. Tahoces and María J. Lado	Using ROC Regression Techniques To Evaluate The Performance Of Computer-Aided Diagnosis Systems In Detection Of Breast Cancer
267	P01.5	Cancer methodology	Jiri Letal, Bohuslav Melichar, Petra Holeckova, Adam Svobodnik, Dagmar Solichova and Lenka Krcmova	Relationship Between Changes In Neopterin/Creatinine Concentrations And Organ Toxicity In Patients With Head And Neck Cancer
272	P01.6	Cancer methodology	Eva Gelnarova, Lucie Burešová, Jan Mužík and Ladislav Dušek	Spatial Analysis Of Testicular Germ Cell Cancer In The Czech Republic
296	P01.7	Cancer methodology	Ben Van Calster, Vanya Van Belle, Dirk Timmerman and Sabine Van Huffel	An AUC-Based Measure To Evaluate The Performance Of Polytomous Diagnostic Models With An Application On Ovarian Tumor Diagnosis
37	P02.1	Infectious diseases	Rolf Groenwold, Arno Hoes and Eelko Hak	Impact Of Influenza Vaccination On Mortality Risk Among Elderly: Taking Both Observed And Unobserved Confounding Into Account
141	P02.2	Infectious diseases	Birgitte Freiesleben de Blasio, Elmira Flem and Kaliya Kasymbekova	A Dynamic Model For Assessing The Impact Of Rotavirus Vaccination In Kyrgyzstan
182	P02.3	Infectious diseases	Lise Werner, Henry Mwambi, Francois van Loggerenberg, Koleka Mlisana and Salim S. Abdool Karim	Exploring CD4 Count And Viral Load Evolution In An Acutely Infected Cohort Using Joint Modelling
252	P02.4	Infectious diseases	Anne Sumbul	Statistical Methods For The Analysis Of Immunological Persistence Induced By A Vaccine In The Presence Of Left Censored Data Due To Detection Limits
290	P02.5	Infectious diseases	Kazumi Omata, Yoshimitsu Takahashi and Takuro Shimbo	Spatiotemporal Analysis Of Influenza Epidemics In Japan
313	P02.6	Infectious diseases	Lise Werner (CAS)	Exploring CD4 Count And Viral Load Evolution In An Acutely Infected Cohort Using Joint Modelling
94	P03.1	Meta-analysis	Mark Weatherall, Ruth Pickering and Megan Bowers	A Systematic Review Of Published Papers Reporting On Open Label Extension Studies
136	P03.2	Meta-analysis	Guido Knapp	Exact Inference In Fixed Effect Meta-Analyis
159	P03.3	Meta-analysis	Annalisa De Silvestri, Gabriella Gabutti and Catherine Klersy	What Is The Evidence Derived From Cohort Studies And Clinical Trials? A Metanalysis On The Role Of Remote Monitoring In Heart Failure.
263	P03.4	Meta-analysis	Paul Eilers	Exploring Smooth Non-Parametric Mixing Distributions In Meta-Analysis
167	P04.1	Health economy evaluation	Ozay Celen, Gülsün Erigüç and Cesim Demir	Applicatablity Of Outsourcing In Turkish Health Services
175	P04.2	Health economy evaluation	Miroslav Nagy, Petr Hanzlíček, Miroslav Zvolský, Marie Tomečková and Jana Zvárová	System For Personalised Healthcare Based On Patient's Genetic Profile And Medical Guidelines Supported By Enterprise Programming Techniques
178	P04.3	Health economy evaluation	Wendy Post	How To Deal With Informative Drop-Out: A Simulation Study
192	P04.4	Health economy evaluation	Ulrich Mansmann, Ralf Strobl and Eva Grill	Comparing Graphs For The Analysis Of Functioning Patterns In Patients Undergoing Post-Acute Rehabilitation

EC#	ID	Theme	Poster Authors	Poster Titles
204	P04.5	Health economy evaluation	Sandrine Katsahian, Céline Vial, Aurélie Bourmaud and Sylvie Chevret	Statistical Test Of Interaction Of Incremental Cost Effectiveness Ratio Of Two Treatment Strategies
240	P04.6	Health economy evaluation	Jennifer Nicholas, Martin Gulliford and Andy Grieve	Application Of Eligibility Restrictions To Reduce Confounding In Non-Randomised Studies Of The Effects Of Health Care Interventions
242	P04.7	Health economy evaluation	Verena Hoffmann, Mirja Modreker, Stefan Golgert, Tom Krause, Ulrike Dapp, Jennifer Anders, Joerg Hasford and Wolfgang von Renteln-Kruse	Identification Of Risk Factors For In-Hospital Falls In Elderly Patients By Classification Tree And Logistic Regression
257	P04.8	Health economy evaluation	Hans Trampisch, Matthias Trampisch, Renate Klaassen-Mielke, Nicolai Bissantz and Andreas Jenke	Hospital-Based, Prospective, Multicentre Surveillance To Determine The Incidence Of Intussusception In Children Aged < 15 Years In Germany
129	P05.1	Systems biology and bioinformatics	Jana Adášková and Jana Zvárová	Finding Optimal Set Of Disease Candidate Genes By Using Microarrays And Biomedical Information Searching
133	P05.2	Systems biology and bioinformatics	Vanessa Didelez	Mendelian Randomisation And Instrumental Variables With Binary Outcomes
152	P05.3	Systems biology and bioinformatics	Akihiro Hirakawa, Chikuma Hamada and Isao Yoshimura	Sample Size Calculation For A Regularized T-Statistic In Microarray Experiments
181	P05.4	Systems biology and bioinformatics	Jörg Aßmus, Hans Arnfinn Karlsen and Dag Tjøstheim	Periodogram-Based Tests For Detecting Periodically Expressed Genes In Microarray Data
293	P05.5	Systems biology and bioinformatics	Florian Klinglmueller, Thomas Tuechler and Martin Posch	Using Tests For Monotonic Trends To Assess Validity And Reproducibility In Microarry Titration Experiments
96	P06.1	Diagnostic methodology	Gerta Rücker and Martin Schumacher	Summary ROC Curve Based On A Model For Selecting An Optimal Cutpoint In Meta-Analysis Of Diagnostic Accuracy
206	P06.2	Diagnostic methodology	Akiko Kada	Diagnostic Accuracy For Binary Tests With Verification Bias
135	P06.3	Diagnostic methodology	Konstantina Skaltsa, Lluis Jover and Josep Lluis Carrasco	Sample Size Estimation For The Binormal Diagnostic Model
23	P07.1	Statistical inference	Mariko Sumi and Toshiro Tango	Inference On The Rate Ratio Of Recurrent Events
144	P07.2	Statistical inference	Jeno Reiczigel, Julia Singer and Zsolt Lang	Counter-Intuitive Changes Of P-Values When Increasing The Sample Size
210	P07.3	Statistical inference	John-Philip Lawo	Cut-Point Estimation With Inconclusive Samples
269	P07.4	Statistical inference	Christophe Demattei	Le Cam Theorem On Interval Division By Randomly Chosen Points: Pedagogical Explanations And Application To Temporal Cluster Detection
18	P08.1	Statistical modeling	Qing Wang, Linda Sharples and Nikolaos Demiris	Multi-State Models For The Analysis Of Lung Transplant Data
69	P08.2	Statistical modeling	Willi Sauerbrei and Patrick Royston	Multivariable Model-Building With Continuous Variables – Some Comparison Of Fractional Polynomials With Splines
73	P08.3	Statistical modeling	Anna Genell, Szilard Nemes, Gunnar Steineck, Ulrica Olofsson and Paul Dickman	Improved Specificity In Statistical Analysis Of Clinical Epidemiological Studies Using Bayesian Model Averaging
93	P08.4	Statistical modeling	Duolao Wang	A Box-Cox Approach To Qt Interval Correction For Heart Rate
100	P08.5	Statistical modeling	Dariusz Radomski	Estimation Of A Sample Entropy Value Useful For Prediction Of An Upcoming Labour Based On Electrohysterographical Signal – A Preliminary Study.
134	P08.6	Statistical modeling	Liesbeth de Wreede, Marta Fiocco and Hein Putter	The Analysis Of Multi-State Models By Means Of The Mstate Package
155	P08.7	Statistical modeling	Ola Caster, G. Niklas Norén, David Madigan and Andrew Bate	The Use Of Lasso Logistic Regression In Adverse Drug Reaction Surveillance
243	P08.8	Statistical modeling	Yuh-Ing Chen and Chi-Shen Huang	Robust Bioequivalence Test For Pharmacokinetic Data In 2X2 Crossover Design

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264	P08.9	Statistical modeling	Luís Machado, Carmen Cadarso, Coté Álvarez, Javier Pardiñas and Bruno de Sousa	New Estimators For ROC Curves With A Time-Dependent Disease Variable
274	P08.10	Statistical modeling	Hideaki Uehara and Toshiro Tango	Partially Homogeneous Mixed Poisson Processes: Another Aspect Of Longitudinal Count Data With Over-Dispersion
281	P08.11	Statistical modeling	Debajyoti Sinha, Lanjia Lin and Stuart Lipsitz	Models And Methods Of Analysis For Clustered Mixed Response Data
297	P08.12	Statistical modeling	Deborah Stocken, Lucinda Billingham and Nick Freemantle	Choice Of Transformation For Modelling Non-Linear Continuous Covariates
318	P08.13	Statistical modeling	Krystyna Stanisz-Wallis	Pharmacokinetics Of Cefuroxime In Patients With Normal And Impaired Renal Function
39	P09.1	Bayesian methodology and applications	Georgios Vlasakakis, Adrian Mander and Les Bluck	Bayesian Labelled Minimal Model To Estimate Insulin Sensitivity
54	P09.2	Bayesian methodology and applications	Marie Tremblay, Aurore Schmitt, Bérangère Saliba-Serre and Laurent Martrille	A Bayesian Approach To Adults Age At Death Determination From Dental Root Translucency And Periodontosis
85	P09.3	Bayesian methodology and applications	Chen Wei, David Lunn and Roman Hovorka	Bayesian Hierarchical Analysis Of Continuous Glucose Monitoring In Artificial Pancreas Development
198	P09.4	Bayesian methodology and applications	Md. Hasinur Rahaman Khan and Ewart Shaw	The Sensitivity Of Priors In Bayesian Variable Selection For Parametric Aft Models In High Dimensions
245	P09.5	Bayesian methodology and applications	Bruno Lecoutre, Gérard Derzko and Khadija ElQasyr	Frequentist Performance Of Bayesian Inference With Response-Adaptive Designs
279	P09.6	Bayesian methodology and applications	Lucie Burešová, Ondřej Májek, Eva Gelnarova, Jan Daneš, Helena Bartoňková, Miroslava Skovajsová and Ladislav Dušek	Estimation Of The Mean Sojourn Time And Sensitivity In Mammographic Screening Programme Using Bayesian Methods
14	P10.1	Biomedical informatics	Rahul Mukherjee	Efficient Designing Of Asymmetric Parallel Line Assays: Role Of Non-Equireplicate Designs
33	P10.2	Biomedical informatics	Milan Sarek and Tomas Kulhanek	Virtualization And Optimization Of PACS Systems
61	P10.3	Biomedical informatics	Celine Bugli	P-Spline Modeling Of ECG Data
87	P10.4	Biomedical informatics	Petra Přečková and Jana Zvárová	Language Of Czech Medical Reports
90	P10.5	Biomedical informatics	Karel Zvara, Karel Chleborad, Tatjana Dostalova, Vaclav Kaspar, Irena Cervena and Jana Zvarova	The Role Of Life-Long Structured Electronic Health Record In Dentistry
92	P10.6	Biomedical informatics	David Biau and Raphaël Porcher	A Method For Monitoring A Process From An Out-Of-Control To An In-Control State: Application To The Learning Curve
101	P10.7	Biomedical informatics	Dariusz Radomski	Evidence Based Medicine Or Models Based Medicine? Which Name Is Closer To The Truth?
107	P10.8	Biomedical informatics	Karel Chleborad, Tatjana Dostalova, Karel Zvara, Jana Zvarova, Michaela Seydlova and Romana Ivancakova	Electronic Health Record In Dentistry - Dental Chart Versus Voice Supported Interactive Dental Cross
120	P10.9	Biomedical informatics	Patricia Martinkova, Michaela Sedova and Kamila Rasova	Reliability Of Clinical Functioning Measures In Patients With Multiple Sclerosis
137	P10.10	Biomedical informatics	Eva Janousova, Daniel Schwarz and Tomas Kasparek	Automatic Classification Of 3-D MRI Data Sets With The Use Of 2DPCA In The Schizophrenia Research
213	P10.11	Biomedical informatics	JungBok Lee, Young Ju Kim, Eunhee Kim and Bong-Hyun Nam	Estimation And Comparison Of Human Body Surface Area Formulae Using 3D Scan And Alginate Measurement

EC#	ID	Theme	Poster Authors	Poster Titles
215	P10.12	Biomedical informatics	Jan Rauch, Jana Zvárová, Tomáš Kliegr, Milan Šimůnek and Marie Tomečková	Disseminating Results Of Data Mining In Cardiology Data Through Semantic Web
238	P10.13	Biomedical informatics	Dušan Rak and Vojtěch Svátek	Matching Medical Websites To Medical Guidelines Through Clinical Vocabularies
283	P10.14	Biomedical informatics	Ho Ming Yuen	Are We All Getting More Depressed? A Study Of Antidepressant Prescribing Between 1993 And 2005 Using The General Practice Research Database
21	P11.1	Missing data and sensitivity analysis	Jodi Siever, Suzanne Tough and Monica Jack	Non-Response Bias And The Impact Of Follow-Up Strategies In A Physician Survey: Implications On Survey Findings
52	P11.2	Missing data and sensitivity analysis	Shona Fielding, Peter Fayers and Craig Ramsay	Dealing With Missing Quality Of Life Data In The Analysis Of Clinical Trials
97	P11.3	Missing data and sensitivity analysis	Arnošt Veselý, Jana Zvarova and David Buchtela	GLIF: Decision Steps With Missing Data
161	P11.4	Missing data and sensitivity analysis	Vanina Heraud-Bousquet, Yann Le Strat, Christine Larsen and Jean-Claude Desenclos	Sensitivity Analysis After Multiple Imputation: Application Of A Weighting Approach To Epidemiological Data
173	P11.5	Missing data and sensitivity analysis	Kirsten Mehlig, Christina Berg, Elisabeth Strandhagen, Dag Thelle and Lauren Lissner	Imputing Missing Values In A Food Frequency Questionnaire To Improve The Relation Between Energy Intake And Expenditure
224	P11.6	Missing data and sensitivity analysis	Rumana Z Omar, Shahed Murad, Gareth Ambler and Michael King	Use Of Multivariate Multilevel Models To Handle Missing Data In Longitudinal Studies
278	P11.7	Missing data and sensitivity analysis	Marion Procter and Chris Robertson	Simulation Study To Investigate The Influence Of The Missing Data Mechanism On Common Imputation Methods
285	P11.8	Missing data and sensitivity analysis	Inyoung Baek, Wei Zhu and Weng Kee Wong	Optimal Designs Accounting For Potentially Missing Observations In Quantal Dose Responses
36	P11.9	Missing data and sensitivity analysis	Ling Ping Hoo and M. Ataharul Islam	Analyzing Incomplete Categorical Data: A Comparison Between EM Algorithm And Imputation
13	P12.1	Longitudinal and hierarchical data	Etienne Dantan and Helene Jacqmin-Gadda	Joint Model With Latent State For The Pre-Diagnosis Phase Of Dementia
22	P12.2	Longitudinal and hierarchical data	Jodi Siever	Exploring Principal Components Analysis For Graphing Longitudinal Data
44	P12.3	Longitudinal and hierarchical data	Masahiko Gosho, Chikuma Hamada and Isao Yoshimura	Proposing A New Criterion For Selecting A Working Correlation Structure In The Generalized Estimating Equation With Application To Longitudinal Data
48	P12.4	Longitudinal and hierarchical data	Chung Him Wan	Estimation For Models Of Multivariate Zero-Inflated And Longitudinal Data
190	P12.5	Longitudinal and hierarchical data	Christine Adrion and Ulrich Mansmann	Decision Support To Predefine The Analysis Of A Longitudinal Count Outcome In A RCT – Bayesian Tools For Model Selection
216	P12.6	Longitudinal and hierarchical data	Naohiro Yonemoto and Shuko Nagai	Analysis Of Repeated Measures In Neonatal Clinical Trials With Twin Births
230	P12.7	Longitudinal and hierarchical data	Timothy Mutsvari, Emmanuel Lesaffre, Maria Jose Garcia-Zattera And Dominique Declerk	Multi-Level Modeling Of Sensitivity And Specificity With An Application In Oral Research
258	P12.8	Longitudinal and hierarchical data	Edwin Amalraj Raja, Amanda J. Lee, Sohinee Bhattacharya and Doris M Campbell	Intergenerational Relationships In Preeclampsia – A Multilevel Modelling Approach
34	P12.9	Longitudinal and hierarchical data	Manabu Kuroki and Zhihong Cai	Covariate Selection For Estimating The Standardized Risk Ratio/Risk Difference Using Causal Diagrams
59	P13.1	Survival analysis	Zhixin Liu	Application And Comparison Of Cox Type Models In Recurrent Event Data Analysis
83	P13.2	Survival analysis	Milica Blagojevic and Kelvin Jordan	Non-Proportional Hazard Survival Models With Propensity Scores
148	P13.3	Survival analysis	Yongling Xiao, Michal Abrahamowicz and Erica Moodie	Simulation Study Of Time-Dependent Confounding/Mediating Effects In Cox's Regression

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Prague, Czech Republic
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EC#	ID	Theme	Poster Authors	Poster Titles
168	P13.4	Survival analysis	M. Shafiqur Rahman, Gareth Ambler and Rumana Z Omar	Assessing Validation Measures Of Prognostic Models For Survival Data
170	P13.5	Survival analysis	Markus Pfirrmann, Joerg Hasford and Ruediger Hehlmann	Frailty Models To Investigate A Centre Effect In Studies With Allogeneic Stem Cell Transplantation
176	P13.6	Survival analysis	Christina Wunder, Lutz Edler and Meinhard Kieser	Blinded And Unblinded Mid-Course Model Selection In Confirmatory Survival Trials
193	P13.7	Survival analysis	Babak Choodari-Oskooei, Patrick Royston and M. K. B. Parmar	Estimating The Treatment Effect In Multi-Arm Multi-Stage (MAMS) Trials With Time To Event Outcome
197	P13.8	Survival analysis	David Culliford, Joe Maskell, Luqmani Raashid and Nigel Arden	Wegener's Granulomatosis: An Examination Of The Assumptions Underlying A Typical Survival Application
207	P13.9	Survival analysis	Martina Mittlboeck and Harald Heinzl	Choice Of A Primary Survival Endpoint In Randomized Clinical Trials
221	P13.10	Survival analysis	Ulrike Pötschger, Georg Mann, Ruth Ladenstein, Andishe Attarbaschi, Dasa Janousek, Alisa Alspach and Martina Mittlböck	Application Of Cure Models In Paediatric Oncology
231	P13.11	Survival analysis	Ines Sousa and Peter Diggle	Real-Time Monitoring Of Progression Towards Renal Failure In Primary Care Patients
233	P13.12	Survival analysis	Kam Fai Wong	Test The Equality Of Survival Functions For Current Status Data When Monitoring Time And Failure Time Are Dependent To Each Other
250	P13.13	Survival analysis	Ali Zare	Application The Split Population Survival (Cure) Model With Time-Dependent Covariates (Multiple-Records) Of Peritoneal Dialysis Patients.
300	P13.14	Survival analysis	Susan Halabi	Two Residuals In Survival Analysis With Full Likelihood Approach Using Proportional Hazards Model
6	P13.15	Survival analysis	Zhan-Feng Wang and Yuan-chin I. Chang	Markers Selection Method Via A Linear Combination That Maximizes The Partial Area Under The ROC Curve
218	P14.1	Clinical trials	Eunsik Park and Yuan-Chin Chang	Comparison Of Sequential Analysis In Response-Adaptive Designs With And Without Covariate-Adjusted
1	P14.2	Clinical trials	Jen-pei Liu, Chin-Fu Hsiao and Wong-Shian Huang	An Alternative Phase II/III Design For Continuous Endpoints
31	P14.3	Clinical trials	Kazue Yamaoka, Mariko Watanabe, Eisuke Hida and Toshiro Tango	A Cluster Randomized Controlled Trials Of A New Dietary Education For Female Adolescents
98	P14.4	Clinical trials	Saibal Chattopadhyay	Sequential Comparison Of Exponential Clinical Trials Under Asymmetric Penalty
113	P14.5	Clinical trials	Solange Whegang Youdom, Leonardo Basco, Henri Gwet and Jean-Christophe Thalabard	Analysis Of Categorical Data In Randomized Clinical Trials: Application To A Paediatric Antimalarial Drug Trial In Cameroon
117	P14.6	Clinical trials	Monia Ezzalfani, Marie-Cecile Le Deley and Sarah Zohar	Dose-Finding Methods For Moderate Graded Toxicities With Special Regard To Onco-Pediatric Clinical Trials
205	P14.7	Clinical trials	Yi-Hsuan Tu	Estimation Of Treatment Effects Without Monotonicity Assumption In Dose-Finding Studies
219	P14.8	Clinical trials	Eunsik Park, Yuan-chin Chang and Meehye Cho	Sequential Estimation In Covariate-Adjusted Response-Adaptive Designs Via Multiple Stage Method
232	P14.9	Clinical trials	Yosuke Fujii, Masayuki Henmi and Toshiharu Fujita	Evaluating Interaction In Clinical Trials With Monotherapy And Combination Therapy By The Propensity Score Weighting Method
234	P14.10	Clinical trials	Chris Metcalfe	The Analysis Of Cross-Over Trials With Baseline Measures

EC#	ID	Theme	Poster Authors	Poster Titles
244	P14.11	Clinical trials	Jan C. Schuller, Peter Brauchli, Daniel Dietrich, Richard Herrmann, Dirk Klingbiel, Stefanie Lerch, Michael Mayer, Mathew Simcock and Shu-Fang Hsu Schmitz	Should Phase II Cancer Screening Trials Include A Control Arm?
248	P14.12	Clinical trials	Bruno Pereira And Andrew Kramar	Methodological Developments Of Cluster Randomised Trials (CRT). Sample Size Planning Of A CRT With Three Levels
295	P14.13	Clinical trials	Keith Abrams, Paul Lambert, Nicholas Latimer and Allan Wailoo	Evaluation Of Methods For Dealing With Treatment Switching In Clinical Trials
9	P14.14	Clinical trials	Mark Weatherall, Meme Wijesinghe, Kyle Perrin and Richard Beasley	Statistical Power Of Different Approaches To Evaluate The Risk Of Rare Severe Adverse Events For A New Drug Therapy
102	P15.1	Epidemiology	Dariusz Radomski and Piotr I Roszkowski	Application Of Structural Equation Models To The Identification Of An Association Pattern Between Cytokines In Women With Endometriosis
103	P15.2	Epidemiology	Hongxing Wu, Anil Dudani, Anton Andonov, Qiong Li and Jun Wu	Incidence And Risk Factors For Acute Hepatitis B Among Aboriginal Versus Non-Aboriginal Canadians In Seven Regions, 1999-2008
116	P15.3	Epidemiology	Elizabeth Turner, Joanna Dobson and Stuart Pocock	Grouping Of Quantitative Risk Factors In Epidemiological Publications: A Survey Of Current Practice
121	P15.4	Epidemiology	Mudassir Ahmed and Muhammed Usman Sikander	Ridge Regression Model For Infant Mortality Rate In Punjab, Pakistan: Evidence From Multiple Indicator Cluster Survey 2003-04
124	P15.5	Epidemiology	Lynne Cresswell	Patterns Of Clinical Damage In Psoriatic Arthritis
162	P15.6	Epidemiology	Ranjit Lall and Sallie Lamb	The Analysis Of The Roland Morris Questionnaire Using The Two-Part Model
174	P15.7	Epidemiology	Gillian Lancaster, Claire Glasscoe, Ros Smyth and Jonathan Hill	Matched Cohort Design To Assess Parental Depression Following Child'S Diagnosis Of Cystic Fibrosis
177	P15.8	Epidemiology	Abdulkadir Teke, Ekrem Cengiz, Cesim Demir and Ozay Celen	Analysis The Multi-Item Dimensionality Of Patients' Perceived Value On Hospital Services
191	P15.9	Epidemiology	Ting-Li Su, Raquel Menezes Da Monta Leite and Peter Diggle	Monitoring Environmental Risk Under Preferential Sampling
199	P15.10	Epidemiology	Sacha Bastide-van Gemert, la, V. Fidler and R.P. Stolk	The Use Of The Causal Inference Algorithm In Life-Course Epidemiology
228	P15.11	Epidemiology	Volkert Siersma	A Weight Control Program For Patients With Type 2 Diabetes
239	P15.12	Epidemiology	Istvan Janosi and Mariann Borsos	Application Of Circular Statistical Tools For 24-Hour Ambulatory Blood Pressure Measurements
292	P15.13	Epidemiology	Zehra Erenkus Altinisik	Modeling Of Birth Control Choices With The Multinominal Probit Technique
314	P15.14	Epidemiology	Lisa Pennells, Ian White and Angela Wood	Evaluation of measures of predictive ability: A simulation study based on cardiovascular disease data from a prospective observational cohort
316	P15.15	Epidemiology	Corina Vernic, S. Ursoniu, B. Vlaicu	Analysing Perceived Risks Of Smoking, Alcohol Drinking And Drug Use Among Undergraduate Students From Timis County: A Cross-Sectional Study

ISCB30: Prague, Czech Republic: AGM Agenda

From David W. Warne

The Annual General Meeting (AGM) will be held on Wed 26 August 1215-1330 in "Aula NB" at the ISCB30 Conference Site, Prague.

The draft agenda is the following:

1 President's report

2 Treasurer's report

3 Subcommittee reports and motions for continuation:

3.1   Conference Organising

3.2   Education

3.3   Membership

3.4   National Groups and Presentation of CAS certificates

3.5   Student Conference Awards and Presentation of SCA certificates

3.6   Statistics in Regulatory Affairs

3.7   Vaccines

3.8   Epidemiology

4 Update about future ISCB meetings: 2010 Montpellier presentation, 2011 Ottawa invitation, and news about 2012 and 2013, Bergen and Vienna.

5 Honorary Memberships

6 Any Other Business

ALL participants of the meeting, even newcomers to ISCB are, by definition, full ISCB members and are most welcome to attend the AGM. Please take part!

Epidemiology Task Force

From Vana Sypsa

Last year, Emmanuel Lesaffre advertised an initiative on establishing a subcommittee on Epidemiology. An informal meeting took place in ISCB 2008 with the participation of those expressing an interest. In this year's meeting in Prague, a proposal for a new subcommittee (SC) on "Epidemiology" will be submitted to the ExCom. The primary aims of this SC will be to make ISCB conferences more "epi-friendly" (e.g. by proposing related topics to the Scientific Programme Committees of the future conferences) and to establish connections with Epidemiological Societies. The goals and activities of the new SC will be further discussed in a meeting at this year's conference. ISCB members who are interested in participating in the SC activities are welcome and can contact Vana Sypsa, email: vsipsa@cc.uoa.gr.

| Shein-Chung Chow, Jun Shao and Hansheng Wang | Sample Size Calculations in Clinical Research | CRC (2003) 0-8247-0970-5 |

My son is an editor of scientific books and he would have had a field day with this book! The language is simply too poor. At first, little things ("…there are sufficient of subjects" – page 6, "…when conduct interim analyses" – page 7) which as they continue to appear, become annoying. I counted at least a dozen such poor presentation of language in the first two chapters. A sample size calculation on page 86 ends with "n = .". Several references in the text are not included in the "References".

Early in the book, the authors include a non-convincing chapter on "One-sided Test versus Two-sided Test" (Section 2.2) which is further discussed as part of "practical issues" in 3.6.1. It is this reviewer's opinion that these discussions are at best confusing and at worst irrelevant, in particular in the way they are applied in the format of chapters 3-4 - "Test for Equality", "Test for Non-inferiority/Superiority" and "Test for Equivalence". I find the link made between non-inferiority and superiority particularly confusing on the grounds of the distinction between a clinical worthwhile difference to be detected in a superiority trial as opposed to a clinically acceptable margin for non-inferiority. These two chapters (Comparing Means (3) and Large Sample Tests for Proportions (4)) could also more thoughtfully have been combined into a single chapter by appropriate consideration of 'variance'.

The book chapters look at first interesting. After an Introduction (Chapter 1) and Considerations Prior to Sample Size Calculation (Chapter 2) follow the two chapters mentioned above. Chapter 5 is on Exact Tests for Proportions with Tests for Goodness-of-Fit and Contingency Tables in Chapter 6. In Chapters 7 and 8, Comparing Time-to-Event Data and Group Sequential Methods, respectively, are discussed. Chapter 9 is devoted to calculating sample size when Comparing Variabilities. A separate chapter is devoted to Bioequivalence Testing (could have been subsumed in earlier chapters discussing Equivalence!). The book finishes with a chapter on Nonparametrics and an assortment of Sample Size Calculation in Other Areas (Dose Response Studies, ANOVA with Repeated Measures, Quality of Life, Bridging Studies and Vaccine Clinical Trials).

The book has an Appendix of Tables of Quantiles (t distribution, Chi-square distribution and F distribution); are they still needed these days? There are other tables imbedded in the text, e.g., sample size and critical values for the binomial test, two-stage designs, optimal flexible two-stage designs, optimal three-stage designs, minimax three-stage designs and Fisher's Exact test (in Chapter 5). Chapter 8 has critical values for various interim analysis models. In the Section on Minimum Effective Dose (12.1.2) there are percentiles for the associated test statistic. A reference to Dunnett test however, I found sorely missing.

By all means, read the book. I am not convinced it is that useful and the 'errors' I detected makes me wonder about the ones I did not detect.

ISCB Course: "Prognostic Modelling": Dijon, France
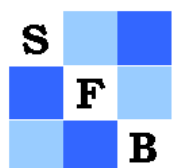
On behalf of the International Society for Clinical Biostatistics (ISCB), the French Society of Statistics (SFDS), the French Society of Biometry (SFB) and the Association of the French Speaking Epidemiologists (ADELF), we would like to invite you to register for the workshop "Prognostic Modelling", which will take place on 12 November 2009, in Dijon (France).

The aim of the workshop is to foster collaboration between the academic community, biomedical research institutions and industry. It will bring together international experts from all over the world on prognostic modelling to give lectures on important topics in prognostic modelling

The workshop speakers are Michal Abrahamowicz (Canada), Daniel Commenges (France), Jean-Yves Dauxois (France), Aurélien Latouche (France), Willi Sauerbrei (Germany) and Ewout Steyerberg (Netherlands).

We look forward to your participation at the Prognostic Modelling workshop in Dijon, France.

Scientific Committee	Organising Committee
Chair: Rumana Omar (*Chair of ISCB Education Subcommittee*)	Chair: Catherine Quantin
Rachid Salmi	Co-chair: Harbajan Chadha-Boreham (*Vice- President of ISCB*)
Michel Chavance (*Treasurer SFB*)	François-André Allaert
Catherine Quantin	François Aubin (*President of the group "biopharmacie et santé" SFDS*)
	Christine Binquet
	Maniane Fassa
	Mariette Mercier
	Roger Salamon (*Past-President of ADELF*)

Preliminary Programme

9:00 Registration
9:30 Welcome and opening of the conference
Morning Session
10:00-11:00   Ewout Steyerberg, (Netherlands): General modelling strategy issues
11:00-12:00   Willi Sauerbrei, (Germany): Model building with the multivariable fractional polynomials procedure.
12:00-12:30   Discussion (Chair: Nicole Close)
12:30 Lunch
Afternoon Session
14:00-14:45   Michal Abrahamowicz, (Canada): Assessment of cumulative effects and weighting of past values of prognostic factors.
14:45-15:30   Daniel Commenges (France): Using Kullback-Leibler risk for choosing a prognostic model.
15:30-16:00   Discussion (Chair: Ewout Steyerberg)
16:00 Coffee break
16:30-17:15   Jean-Yves Dauxois and Aurélien Latouche (France): Semi and non parametric estimation, for competing risks with missing causes.
17:15-18:00   Discussion (Michal Abrahamowicz)

Contact: Catherine Quantin, Department of Biostatistics and Medical Informatics, Teaching Hospital, Dijon, France
Service de Biostatistique et Informatique Médicale, Centre Hospitalier Universitaire, BP 77908, F-21079 Dijon Cedex, France
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Registration Form; please go to: http://www.iscb.info/iscbdocs/Registration_Form_Prognostic_Modelling.doc

Richard Kay	Statistical thinking for Non-Statisticians in Drug Regulation	Wiley-Blackwell (2007) 978-0-470-31971-0

This book from Richard Kay describes the statistical thinking and the statistical concepts relevant to clinical trials within the framework of pharmaceutical products registration. The targeted audience is primarily the non-statisticians (physicians, investigators, clinical research scientists, medical writers, regulatory personnel, statistical programmers, data managers and those working in quality assurance) but also statisticians moving from other areas of application outside of pharmaceutical. The particularity of this book is his special focus on the drug regulatory environment.

The objectives of the book, as described in the preface, are:

- o to aid communication between statisticians and non-statisticians
- o to help in the critical review of reports and publications
- o to enable the more effective use of statistical arguments within the regulatory process

The book consists of 16 chapters.

Chapter 1, *Basic ideas in clinical trial design*, starts with an historical perspective and then introduces notions such as control groups, placebos and blinding, randomisation, bias and precision, between- and within-patient designs, cross-over trials, signal and noise, confirmatory and exploratory trials, superiority, equivalence and non-inferiority trials and data types. Chapter 2 deals with *Sampling and inferential statistics* and covers notions of sample and population, sample statistics and population parameters, normal distributions, sampling and standard error of the mean. Confidence intervals, hypothesis testing and p-values are presented in chapter 3, *Confidence intervals and p-values*. Chapter 4, *Tests for simple treatment comparisons*, presents the t-tests (unpaired and paired), the chi-square test (for binary, categorical and ordinal data), measures of treatment benefit, the Fisher's exact test and extensions for multiple treatment groups. Chapter 5 *Multi-centre trials*, extends the simple statistical comparisons presented in chapter 4 to the frequent situation of multi-centre trials and chapter 6, *Adjusted analyses and analysis of covariance*, generalises the notion of adjustment to other baseline factors than centre, covering the methods of simple linear regression, multiple regression, logistic regression, analysis of covariance and discussing the regulatory aspects of the use of covariates and baseline testing. Chapter 7, *Intention-to-treat and analysis sets*, deals with analysis sets, missing data and the fundamental principle of intention to treat. Chapter 8, entitled *Power and sample size*, covers the notions of type I and type II errors, power and sample size calculations. Chapter 9 discusses the important

distinction between *Statistical significance and clinical importance*, the link between p-values and confidence intervals, the use of confidence intervals to appraise clinical importance and the classical mistake of misinterpreting a non-significant p-value as a proof of similarity. *Multiple testing* is discussed in Chapter 10, covering inflation of the type I error, methods for adjustment, multiple primary endpoints, multiple comparisons, repeated evaluation over time, subgroup testing and other areas for multiplicity. *Non-parametric and related methods* and their advantages and disadvantages are presented in chapter 11. *Equivalence and non-inferiority* are developed in chapter 12, including discussion of the notions of assay sensitivity, choice of delta and switching between non-inferiority and superiority. Chapter 13 deals with *The analysis of survival data*. Chapter 14, *Interim analysis and data monitoring committees*, discusses interim analyses for early stopping for efficacy and futility, monitoring of the safety in a clinical trial and the responsibilities, structure and functioning of Data Monitoring Committees. It also contains a short section on adaptive/flexible designs. *Meta-analysis* is presented in chapter 15. Chapter 16 finishes the book by presenting *The role of statistics and statisticians* in the design stage, during the clinical study process (protocol, statistical analysis plan, data validation plan, blind review, statistical analysis, reporting), the regulatory submission and the publication and presentation of the study results.

All the chapters of the book are illustrated with examples helping to understand the concept and issues discussed. The regulatory aspects of each topic are developed and illustrated with quotes from regulatory guidance documents issued by the ICH (International Committee on Harmonization, the EMEA (European Medicines Evaluation Agency) and the FDA (Food and Drug Administration)

The book is clearly well adapted to its targeted audience of non-statisticians. Concepts sometimes difficult to non-statisticians (for example, to cite only a few of them: treatment-by-centre interactions, equivalence/non-inferiority testing, intention-to-treat) are well presented in a clear and simple manner that makes them easy to understand, without falling into the trap of oversimplification. The constant reference to the regulatory environment and existing guidance documents makes this book unique and particularly valuable.

I would recommend this book to anyone involved in clinical trials in the pharmaceutical industry field, either non-statisticians, but also new statisticians in this field, either experienced statisticians moving from another field of expertise or young statisticians starting their career in the drug development world.

ISCB GENERAL INFORMATION

Advertising Rates

The prices are: Full A4 page: € 500 Half A4 page: € 300 Quarter A4 page: € 200	Additionally, we will include loose flyers with the distribution of the newsletter at an initial handling cost of € 500. However, if the addition of the flyers increases the postal charges, the advertiser will also be charged the difference in distribution costs. For further information, please contact the ISCB Office.
Publishing dates: Dec 2009 (and deadlines) Jun 2010	early Nov 2009 early May 2010
Adverts sent to the ISCB emailing list of approximately 900 current and recent members:	€ 750 for 4 emails/year € 300 for a single email
ISCB webpage advertising:	€ 750 for one year with Link from ISCB's homepage

IMPORTANT NOTE: Email Lists and Personal Information
ISCB has a strict policy not to give out any information concerning its members to any organisation which requests it. If a company wishes to send material to the members, the brochures must be sent to the Society's Permanent Office and News Editor for distribution with the News (see above). Alternatively, small non-commercial announcements can be sent free of charge as an email to most members of ISCB.

Society's Aims

The Society is organised and shall be operated for educational and scientific purposes with the following Aims:
- to stimulate research on the biostatistical principles and methodology used in clinical research;
- to increase the relevance of statistical theory to clinical medicine;
- to promote high and harmonised standards of statistical practice;
- to work with other societies and organisations in the advancement of biostatistics;
- to promote better understanding of the use and interpretation of biostatistics by the general public, and by national and international organisations and agencies within the public and commercial sectors with an interest in, and/or responsibilities for, public health; and
- to provide a common forum for clinicians and statisticians through meetings, seminars and publications

Changes of Address or Email

Please inform the Permanent Office that looks after the membership and mailing list databases.
Also, if your email address changes, please inform the Office and the News Editor so that your address is changed in the ISCB database and emailing list (googlegroup).

Information on Submitting Articles

Articles sent via email (Word, HTML or text) on almost any topic are most welcome. This is an informal newsletter for you the readers, so please join in and make ISCB News a magazine that's even more interesting and fun to read.

Who	Address	Tel:	Fax:	Email:
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Professor of Biostatistics and Chair of the Department of Medical Biometry and Informatics, Medical Faculty, Ruprecht-Karls-University, Heidelberg, Germany until 2007, now retired. Main activities are biostatistical consulting of clinical research and responsibility for the design, conduct and analysis of clinical trials. Methodological areas of interest are multiplicity problems in testing, heterogeneity in Meta-Analyses and flexible designs in clinical trials. I have served ISCB as an Executive Committee member since 2000, was Treasurer from 2003-06 and Vice President from 2007-2008. In 1999, I organised ISCB20 in Heidelberg. As President, I will try to enlarge the fields of activity of the society, and herewith to increase membership. I would like to make our meetings a discussion forum of all scientists involved in clinical and epidemiological research: Biostatisticians, trialists with medical background and epidemiologists.				
Vice-President: Harbajan Chadha-Boreham	Actelion Pharmaceuticals Ltd, Department of Biometry, Gewerbestrasse 16, CH-4123 Allschwil, Switzerland	+41 61 565 66 69	+41 61 565 64 70	Harbajan.Chadha-Boreham@ Actelion.Com
Consultant Biostatistician in the Department of Biometry, Actelion Pharmaceuticals Ltd., Basel, Switzerland. My main activities in pharmaceutical statistics involve design, conduct, analysis and reporting of clinical trials and epidemiology studies across a variety of therapeutic areas. Current interests are focused on statistical methods for the evaluation of medical diagnostic tools and the evaluation of treatments for rare diseases. I joined the ISCB in 1993 and have been an active member of the Society; firstly as a member of the ISCB Subcommittee on Statistics in Regulatory Affairs and later as Chair of the Local Organising Committee of ISCB23 (2002) Conference held in Dijon, France. In 2003 I set up the ISCB Subcommittee on Conference Organising; we have developed the "Conference Organising Guidelines" to help the organisers of future conferences. Linked to Conference Organising, the Subcommittee has created facilities for storing documents from past conferences on the ISCB website. As a member of the recently formed ISCB Subcommittee on Membership, I have been involved in various initiatives for promoting our society to increase its membership. I have served on the ISCB Executive Committee for eight years; four years as an ordinary member and four years as Secretary, taking care of the quarterly teleconferences of the ExCom, the Annual ExCom and General Meetings. As Vice-President and Chair of the Conference Organising Subcommittee, I would facilitate exchange of experiences of the past and future organisers so that we can continue to offer ISCB Members annual meetings that have high scientific quality, are socially interesting and are financially successful. As a Member of the Subcommittee on Membership, I will help to step up our efforts to foster ISCB links with sister societies that are involved in clinical and epidemiological research.				
Treasurer: Koos Zwinderman	Academic Medical Centre, Dept. of Clinical Epidemiology & Biostatistics, University of Amsterdam, PO Box 22660, NL-1100 DD Amsterdam, Netherlands	+31 20 5665820	+31 20 6912683	a.h.zwinderman@ amc.uva.nl
Professor of biostatistics at the department of Clinical Epidemiology, Biostatistics and Bioinformatics at the Academic Medical Center of the University of Amsterdam in the Netherlands. I was trained as a mathematician and psychologist at the university of Groningen (the Netherlands) and obtained my PhD at the University of Nijmegen (the Netherlands). My thesis concerned consistency of estimators and goodness of fit tests of a variant of the random-effects logistic regression model. My biostatistical interests are-amongst others-statistical genetics, repeated measures and monitoring, clinical trials, and meta-analysis, and I was involved in numerous clinical trials and epidemiological research projects. I have been a member of ISCB for over 15 years, was member of the organising committee of the Leiden conference in 2004, and was a member of the ExCom for the period 2003-2006, and ISCB treasurer 2006-2008. As treasurer I would like to proceed to monitor the financial situation of the Society and help organizing successful scientific conferences that are sufficiently profitable to carry on the Society's work.				
Secretary and News Editor: David W. Warne	Chemin du Petit-Bel-Air 115, CH-1226 Thônex, Switzerland	+41 22 700 63 80		david_w_warne@ bluewin.ch
Associate Director Biostatistics, Merck Serono, Geneva, Switzerland. My main activities in medical statistics involve designing clinical development projects, and the design, conduct, analysis and reporting of clinical trials in infertility. I am especially interested in non-inferiority and equivalence studies and in the practical aspects of clinical trials such as randomisation and use of Bayesian methods. I joined ISCB in 1992 as Newsletter Editor and have attended all the annual meetings from 1993 to 2008 and taken part in most of the Executive Committee meetings over the last 16 years. As well as editing 34 issues of the ISCB News, I was chair of the Communications Subcommittee from 1999-2007 and run the Society's emailing list. I have been a member of the Subcommittees on Conference Organising since 2004 and Membership since 2007. I was the chair of the Local Organising Committee of ISCB27 in Geneva in 2006. In 2007, I was honoured to be made a Life Member of ISCB. As Secretary, I look forward to continue helping with the organisational aspects of the Society and its annual meetings and, as an Officer of the ExCom, I would like to help ISCB maintain its reputation for providing highly successful annual meetings and courses.				

Who	Address	Tel:	Fax:	Email:
Webmaster: Bjarne Bodin	Cyncron Biometrics A/S, PO Box 130, Teglgaarden 60, DK-3460 Birkerod, Denmark	+45 4567 2278	+45 7022 1571	bbo@ Cyncron.com
Past President: Emmanuel Lesaffre	Catholic University Leuven, Biostatistical Centre, U.Z. St. Rafael, Kapucynenvoer 35, B-3000 Leuven, Belgium	+32 16 336 896	+32 16 336 900	emmanuel.lesaffre@ med.kuleuven.be
Lucinda Billingham	Cancer Research UK Clinical Trials Unit, University of Birmingham, UK	+44 121 414 3790	+44 121 414 3700	L.J.Billingham@ bham.ac.uk
Krisztina Boda	Dept. of Medical Informatics, University of Szeged, Hungary	+36 62 545 079	+36 62 544 566	boda@ dmi.u-szeged.hu
Adriano Decarli	Istituto di Statistica Medica e Biometria, Università degli Studi di Milano, Via Venezian 1, I-20133 Milan, Italy	+39 02 50320859	+39 02 50320866	adriano.decarli@ unimi.it
Lutz Edler	Dept. of Biostatistics, German Cancer Research Center, Heidelberg, Germany	+49 6221 42 2392	+49 6221 42 2397	Edler@ dkfz.de
KyungMann Kim	Department of Biostatistics and Medical Informatics, University of Wisconsin School of Medicine and Public Health, 600 Highland Ave, K6/438 CSC, Madison, WI 57392-4675, USA	+1 608 265 6380	+1 608 265 5579	kmkim@ biostat.wisc.edu
Ulrich Mansmann	Institute of Medical Biometry & Bioinformatics, Ludwig-Maximilian University, Munich, Germany	+49 89 7095 4491	+49 89 7095 7491	mansmann@ ibe.med.uni-muenchen.de
Jean-Christophe Thalabard	Medical Faculty, University Paris Descartes and Diagnostic Centre, Hôtel- Dieu, APHP, Paris, France	+33 14 234 8099		jean-christophe.thalabard @ htd.aphp.fr
Giota Touloumi	Dept. of Hygiene, Epidemiology & Medical Statistics, Medical School, University of Athens, Greece	+30 210 7462086	+30 210 7462205	gtouloum@ med.uoa.gr

ISCB Membership and Googlegroups Emailing Lists

From Rita Schou (ISCB Office) and David W. Warne (Googlegroups Administrator)

We try to make sure our membership database (in Denmark) is kept up to date.

We also have an electronic mailing list called iscb@ googlegroups.com, which allows members from the current and past year to be contacted to discuss statistical ideas and to receive news about ISCB events.

From time to time we compare the 2 databases and if we find you've got 2 email addresses, we'll ask which you prefer.

If you haven't done so already, please send us your email address to allow us to contact you more easily.

If you've sent us your email, but haven't accepted the invitation to join the iscb googlegroup, please accept the next invitation by pressing Reply-Send.

Rest assured that no company will send you any junk email – all emails are checked by the Office or the Googlegroup Administrator.

ISCB Subcommittees: Contact Details

Please contact the chairs of these subcommittees for further information.

(*=President's Representative)

Title & Email	Terms of Reference	Members	Email addresses
Conference Organising iscb-conf-org@ googlegroups.com	1. Bring together ISCB conference organisers or ISCB members who have an interest in sharing and passing on their knowledge and experience to help future ISCB conference organisers. 2. Document processes and systems for assisting ISCB conference organisers. 3. Review and update the documents whenever necessary and promote their usage for improving the procedures or meetings.	**Chair/Secretary:** 1. *Harbajan Chadha-Boreham (CH) **Members:** 2. Lucinda Billingham (UK) 3. Bjarne Bodin (DK) 4. Lutz Edler (D) 5. Emmanuel Lesaffre (B) 6. Tim Ramsay (CDN) 7. Giota Touloumi (GR) 8. Zdenek Valenta (CZR) 9. David W Warne (CH) 10. Koos Zwinderman (NL)	Harbajan.Chadha-Boreham@ Actelion.Com L.J.Billingham@ bham.ac.uk bbo@ Cyncron.com Edler@ dkfz.de emmanuel.lesaffre@ med.kuleuven.be tramsay@ ohri.ca gtouloum@ med.uoa.gr valenta@ euromise.cz david_w_warne@ bluewin.ch a.h.zwinderman@ amc.uva.nl
Education iscb-education@ googlegroups.com	To support and organise one or two day courses on contemporary methods in clinical biostatistics in locations represented by the Society. Guidelines and a list of courses offered in the past are available.	**Chair/Secretary:** 1. Rumana Omar (UK) **Members:** 2. Krisztina Boda (H) 3. Mike Campbell (UK) 4. Nicole Close (USA) 5. Eric Cobo (E) 6. Havi Murad (ISR) 7. Catherine Quantin (F) 8. Carol Redmond (USA) 9. Jeno Reiczigel (H) 10. Elisabeth Svensson (S) 11. Jean-Christophe Thalabard (F) 12. Maria Grazia Valsecchi (I) 13. *Norbert Victor (D)	Rumana@ stats.ucl.ac.uk boda@ dmi.u-szeged.hu m.j.campbell@ sheffield.ac.uk ncclose@ yahoo.com erik.cobo@ upc.edu havim@ gertner.health.gov.il catherine.quantin@ chu-dijon.fr ckr3@ pitt.edu reiczigel.jeno@ gmail.com elisabeth.svensson@ esi.oru.se jean-christophe.thalabard@ htd.aphp.fr grazia.valsecchi@ unimib.it victor@ imbi.uni-heidelberg.de
Membership Iscb-membership@ googlegroups.com	To explore strategies to increase the ISCB membership by means of: 1. Highlighting the unique position of the ISCB, i.e. bringing together clinicians, methodologists, epidemiologists and biostatisticians 2. Make strategic links with medical and epidemiological societies in order to make publicity at their meetings and bring clinicians/epidemiologists with a methodological/biostatistical interest to our ISCB meeting 3. Widen the geographical spread of the ISCB members 4. Ensure the regeneration of our current core membership. 5. Provide guidelines for future conference organisers on choosing a scientific programme committee that will help in widening membership 6. To consider the future of the Newsletter, including ways to support the Editor, procedures for transition of editorship. 7. To maintain the ISCB homepage on the World Wide Web and facilitate placement of annual meeting information on the homepage. 8. To consider other communications with members, such as through email or the World Wide Web.	**Chair:** 1. Emmanuel Lesaffre (B) **Secretary:** 2. KyungMann Kim (USA) **Members:** 3. Michal Abrahamowicz (CDN) 4. Lucinda Billingham (UK) 5. Bjarne Bodin (DK) 6. Harbajan Chadha-Boreham (CH) 7. Philip Hougaard (DK) 8. Toshiro Tango (JPN) 9. Maria Grazia Valsecchi (I) 10. Giota Touloumi (GR) 11. *Norbert Victor (D) 12. David W. Warne (CH)	emmanuel.Lesaffre@ med.kuleuven.be kmkim@ biostat.wisc.edu michal@ epimgh.mcgill.ca L.J.Billingham@ bham.ac.uk bbo@ Cyncron.com Harbajan.Chadha-Boreham@ Actelion.Com phou@ lundbeck.com tango@ niph.go.jp grazia.valsecchi@ unimib.it gtouloum@ med.uoa.gr victor@ imbi.uni-heidelberg.de david_w_warne@ bluewin.ch

Title & Email	Terms of Reference	Members	Email addresses
National Groups Iscb-national-groups@ googlegroups.com	1. To help those who are interested in forming a National Group through the approval process. 2. To review the arrangements with the current National Groups, specifically regarding financial matters. 3. To set rules and standards for funding of ISCB members of National Groups and others from countries with exchange control restrictions or barriers. 4. The Subcommittee administers the Conference Awards for Scientists for the annual ISCB meetings.	**Chair/Secretary:** 1. Julia Singer (A) **Members:** 2. Simon Day (UK) 3. Krista Fischer (EST) 4. Stanislav Katina (A) 5. Ewa Kawalec (PL) 6. *Norbert Victor (D) 7. John Whitehead (UK)	 julia_singer@ baxter.com simon.day@ roche.com Krista.Fischer@ ut.ee stanislavkatina@ hotmail.com mxkawale@ cyf-kr.edu.pl victor@ imbi.uni-heidelberg.de j.whitehead@ lancaster.ac.uk
Statistics in Regulatory Affairs iscb-reg-aff@ googlegroups.com	The subcommittee on Regulatory Affairs will review, comment upon and seek to influence the development of regulatory requirements, guidelines and other documents concerning the scientific aspects of data generation, collection, management, analysis, and reporting. In general, the subcommittee will seek out and handle all regulatory issues in the name of the Society with the approval of the President or in his/her absence, the Vice-President.	**Chair/Secretary:** 1. Christoph Gerlinger (D) **Members:** 2. *Harbajan Chadha-Boreham (CH) 3. Lutz Edler (D) 4. Tim Friede (UK) 5. Christos Nakas (GR) 6. Jen-Pei Liu (TW) 7. Anna Petroccione (I) 8. Martin Schumacher (D) 9. Jørgen Seldrup (F)	 christoph.gerlinger@ bayerhealthcare.com Harbajan.Chadha-Boreham@ Actelion.Com Edler@ dkfz.de T.Friede@ warwick.ac.uk cnakas@ gmail.com jpliu@ ntu.edu.tw anna.petroccione@ nervianoms.com ms@ imbi.uni-freiburg.de Jorgen.seldrup@ quintiles.com
Student Conference Awards iscb-stud-conf-awrd@ googlegroups.com	Student conference awards are available for registered postgraduate students to attend the annual meeting and present a paper. The Subcommittee shall receive submissions, judge them, and administer the awards. The rules are announced in a timely issue of the Newsletter.	**Chair/Secretary:** 1. KyungMann Kim (USA) **Members:** 2. Carl-Fredrik Burman (S) 3. Bruno Cesana (I) 4. *Emmanuel Lesaffre (B) 5. Bianca de Stavola (UK) 6. Vana Sypsa (GR) 7. Jean-Christophe Thalabard (F)	 kmkim@ biostat.wisc.edu carl-fredrik.burman@ astrazeneca.com cesana@ med.unibs.it emmanuel.Lesaffre@ med.kuleuven.be Bianca.Stavola@ lshtm.ac.uk vsipsa@ cc.uoa.gr jean-christophe.thalabard@ htd.aphp.fr
Vaccines iscb-vaccines@ googlegroups.com Please see www.iscb-vaccines.info	1. Create a professional platform for statisticians active in the research on vaccines. 2. Discuss new regulatory guidelines and comment upon draft guidelines, in collaboration with the subcommittee on Statistics in Regulatory Affairs. 3. Keep up-to-date, discuss, apply and encourage relevant statistical and methodological developments. 4. Encourage professional development. 5. Organize symposia in the annual ISCB meetings or in collaboration with ISCB on methodological developments in vaccines research.	**Chair:** 1. Andrew Dunning (USA) **Secretary:** 2. Jos Nauta (NL) **Members:** 3. Ivan Chan (USA) 4. Allen Izu (USA) 5. Marc Fourneau (B) 6. Jukka Jokinen (SF) 7. Jingyee Kou (USA) 8. Lawrence Moulton (USA) 9. Catherine Quantin (F) 10. Julia Singer (A) 11. *Koos Zwinderman (NL)	 andrew.dunning@ sanofipasteur.com jos.nauta@ solvay.com ivan_chan@ merck.com allen.izu@ novartis.com marc.fourneau@ gskbio.com Jukka.Jokinen@ thl.fi jingyee.kou@ fda.hhs.gov lmoulton@ jhsph.edu catherine.quantin@ chu-dijon.fr julia_singer@ baxter.com a.h.zwinderman@ amc.uva.nl

ISCB Membership Information

The International Society for Clinical Biostatistics (ISCB) was founded in 1978 to stimulate research into the principles and methodology used in the design and analysis of clinical research and to increase the relevance of statistical theory to the real world of clinical medicine.

The ISCB organises an annual scientific meeting which members and non-members are able to attend. The main objective of the annual scientific meetings is to create an opportunity for the exchange of knowledge, experience and ideas among clinicians, statisticians and members of other disciplines, such as epidemiologists, clinical chemists and clinical pharmacologists, working or interested in, the field of clinical biostatistics.

The scientific meetings cover a broad spectrum of biostatistical interests and regularly include sessions on the design and analysis of clinical trials, epidemiology and statistical methodology, as well as from time to time considering more specialist issues such as, for example, education of biometricians and biometrics users, pharmacokinetics, medical data-bases and pharmaco-epidemiology.

Meetings in recent years have been held in Leiden (2004), Szeged (2005), Geneva (2006), Alexandroupolis (2007) and Copenhagen (2008). The next meeting will be held in Prague (2009). A selection of talks at the meetings, for which papers are submitted for review and which are eventually accepted, are published in Statistics in Medicine. The ISCB benefits from a special journal concession from John Wiley & Sons Limited, the publishers of Statistics in Medicine, so that members are able to subscribe to the journal at a preferential rate.

The ISCB also organises courses to cover particular statistical topics. These are run to precede or follow on from the annual scientific meeting and are given by the foremost researchers in the field.

The composition of the Executive Committee (ExCom) for 2009-10 is as follows:

Officers:
President: Norbert Victor (D),
Vice-President: Harbajan Chadha-Boreham (CH),
Treasurer: Koos Zwinderman (NL).
Secretary/:   David W. Warne (CH),
News Editor
Members:
Past-President: Emmanuel Lesaffre (B),
Webmaster: Bjarne Bodin (DK),
Members: Lucinda Billingham (UK),
                         Krisztina Boda (Hungary),
                         Adriano Decarli (Italy),
                         Lutz Edler (Germany),
                         KyungMann Kim (USA),
                         Ulrich Mansmann (Germany),
                         Jean-Christophe Thalabard (France),
                         Giota Touloumi (Greece).

The Annual General Meeting of the ISCB is organised to coincide with the scientific meeting. Membership of the Society is drawn from around 40 countries worldwide and the number of members is about 900.

The ISCB also has special Subcommittees dealing with particular aspects of biostatistics.

The Society publishes a Newsletter twice a year. The ISCB News editor is David W. Warne, Chemin du Petit-Bel-Air 115, CH-1226 Thônex, Switzerland. Items for inclusion in the Newsletter should be sent to him via email to: david_w_warne@ bluewin.ch

Membership of the Society is open to all with an interest in biostatistics. The current annual (to 31 December 2009) Ordinary membership fee is €40. The Full-time Student Membership fee is €20.

Applications for membership should be sent to:

ISCB Permanent Office, PO Box 130, Teglgaarden 60, DK-3460 Birkerod, Denmark	Tel: +45 4214 6279 Fax: +45 7022 1571 email: office@ iscb.info www: www.iscb.info

INTERNATIONAL SOCIETY FOR CLINICAL BIOSTATISTICS

2009 Membership Subscription

Surname:	First name:
Title (Prof/Dr/etc):	Post held:
Institute/Company:	
Address:	
Post code and country:	
Phone No.:	E-mail:
Fax No.:	Please provide your email address as it will be used to send you the ISCB News in the future.

SUBSRCIPTION: ❏ Ordinary membership of ISCB (to 31 December 2009): € (EUR) 40.00

(please tick one only) ❏ Full-time Student Membership of ISCB (to 31 December 2009): € (EUR) 20.00

(students should provide a letter from their supervisor or head of department)

Have you previously been a member of ISCB? ❏Yes ❏No

PAYMENT IS MADE BY:

Credit Card Authorisation: ❏VISA ❏Master Card ❏Euro Card ❏JCB

Signature: _____ Date: _____

Your name on the credit card:	Card number to debit (16 digits):	Validation code (3 digits) CVC/CVV:	Expiry date (MM/YY):

Cheque/Money Order:

❏ A cheque made payable in € – drawn on a bank in the United Kingdom

❏ A Money Order

Cheque / Money Order No. (if known): _____ Date sent: _____

Cheques must be made payable to the *International Society for Clinical Biostatistics* and returned with this form to the Permanent Office address.
Note: Non-Euro cheques, bank cheques not drawn on a UK bank, and cheques not made payable to ISCB will be returned.

Bank Transfer: ❏

Please transfer direct to:

Barclays Bank plc	Euro Account No.	6687 4511
PO Box 69	Bank Sort Code:	20-18-15
121 Queen Street	IBAN:	GB28 BARC 2018 1566 8745 11
Cardiff CF1 1SG	SWIFT/BIC:	BARCGB22
UK		

Please return this form either by e-mail to: office@ iscb.info

or by post to: ISCB Permanent Office
PO Box 130
Teglgaarden 60
DK-3460 Birkerod
Denmark

Tel: +45 4214 6279
Fax: +45 7022 1571

ISCB

Calendar

23-27 August 2009	Prague, Czech Republic

ISCB30
Info: Zdenek Valenta   email: valenta@ euromise.cz   web: www.iscb2009.info

29 August – 02 September 2010	Montpellier, France

ISCB31
Info: email: contact@iscb2010.info

ISCB is affiliated to ISI. For the latest conference information, see:
isi.cbs.nl/calendar.htm

Jul 1-3	*2009 International Conference of Computational Statistics and Data Engineering*, to be held in London, UK The conference ICCSDE'09 is held under the World Congress on Engineering 2009. The WCE 2009 is organized by the International Association of Engineers (IAENG), and serves as good platforms for the engineering community members to meet with each other and to exchange ideas. Information: IAENG Secretariat E-mail: wce@iaeng.org Web site: http://www.iaeng.org/WCE2009/ICCSDE2009.html
Jul 2-6	*The Sixth International Research Forum on Statistical Reasoning, Thinking, and Literacy*. SRTL-6: The Role of Context and Evidence in Informal Inferential Reasoning, to be held in Brisbane, Australia. The Forum's focus will build on the work presented and discussed at SRTL-5 on informal ideas of statistical inference. Conference attendance is by invitation only. E-mail: SRTL2009@gmail.com Web site: http://srtl.stat.auckland.ac.nz
Jul 20-24	*The 27th European Meeting of Statisticians* will be held in the Université Paul Sabatier, Toulouse, France, under the auspices of the Bernoulli Societythe IMS and ISI. EMS 2009 will be the major European international meeting of 2009 covering mathematical statistics, statistical applications and applied probability. New researchers and PhD students are especially invited to submit contributed papers. The deadline for submissions is March 20th. Information: Jean-Claude Fort, President, Local Organising Committee E-mail: ems2009@math.univ-toulouse.fr Web sites: http://bs-erc.stat.unipd.it, www.math.univ-toulouse.fr/EMS2009/
Aug 12-15	The IASS has organized seven short courses to be offered prior to the start of the 57th Session of the ISI. The seven short courses will be offered over two two-day sessions, Hotel Southern Sun Elangeni, Durban.
Aug 14-15	2009 IASESatellite Conference *Next Steps in Statistics Education.* Information: Patrick Murphy (Chair of the IASE Satellite Conference) E-mail: Patrick.Murphy@ucd.ie Web site: http://www.sastat.org.za/iase/
Aug 16-22	International Statistical Institute, 57th Biennial Session: Includes meetings of the Bernoulli Society, the International Association for Statistical Computing, the International Association of Survey Statisticians, the International Association for Official Statistics, the International Association for Statistics Education, the Irving Fisher Committee on Central Bank Statistics, the International Society for Business and Industrial Statistics, and The International Environmetrics Society, to be held in *Durban, South Africa.* Information: ISI Permanent Office, P.O. Box 24070 2490 AB The Hague, The Netherlands. Phone: +31–70–3375737 Fax: +31–70–3860025 E-mail: isi @cbs.nl, isi2009@stats.wits.ac.za Web site: http://www.statssa.gov.za/isi2009/default.aspx
Aug 23-27	*30th Annual Conference of the International Society for Clinical Biostatistics* will take place at the campus of the University of Economics in Prague, Czech Republic. It represents a prestigious international forum, which is a regular meeting place of highly esteemed professionals from the field of biostatistics a clinical studies. Apart from the conventional interest in the design and analysis of data from clinical and epidemiological studies a new emphasis of the Conference will be on Health Economics Evaluation. Invited sessions include: Health Economics Evaluation, Biomedical Informatics, Joint Modelling of Longitudinal and Survival data, Regulatory Affairs, Analysis of Incomplete data, Statistical methods in HIV/AIDS Research. Information: Zdenek Valenta, Ing. Luděk Vomáčka E-mail: valenta@euromise.cz, vomacka@guarant.cz Web site: http://www.iscb2009.info/
Sep 1-3	*New Zealand Statistical Association 2009 Conference*, Victoria University of Wellington (VUW), New Zealand. The School of Mathematics, Statistics and Operations Research at VUW will host the 60th Annual Conference of the New Zealand Statistical Association. The conference will be on Weds 2 and Thurs 3 September with an optional one-day workshop on Semiparametric Regression, to be given by Prof Matt Wand (U Wollongong), preceding the conference on Tues 1 September. Information: Conference Chair: John Haywood Phone: +64 4 463 5673 Fax: +64 4 463 5045 E-mail: John.Haywood@vuw.ac.nz Web site: http://msor.victoria.ac.nz/Events/NZSA2009
Sep 7-11	The IASC -ERS Summer School will be organized on *Computational Aspects in Environmental Statistics* and it will be held in the picturesque venue of the Gorni Voden Monastery "St. Kirik and Yulita", District of Plovdiv, Bulgaria. Web sites: http://www.iasc-isi.org/ (IASC), http://info.meteo.bg/conferences/iasc09/

Sep 17-18	*Fifth International Conference on History of Statistics and Probability*, to be held in Santiago de Compostela, Spain. This conference aims to stimulate and promote research related to the discipline of History of Statistics and Probability. Board of Directors: Dr. José María Riobóo Almanzor, Dr. F. Javier Martín Pliego Executive assistant secretary: Dr. Irene Riobóo Lestón Secretary: Dr. Carlos Pío del Oro, Dr. Jesús Santos del Cerro, Dr. Sonia de Paz Cobo, Irene Riobóo E-mail: irene.rioboo@urjc.es Web site: http://www.neventia.es/vcongreso
Oct 20-22	*International Conference on Machine Learning and Data Analysis 2009*, to be held in San Francisco, USA. The conference ICMLDA'09 is held under the World Congress on Engineering and Computer Science WCECS 2009, by the International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists. The accepted papers will also be considered for edited books by publishers like AIP, IEEE Computer Society and Springer. Information: IAENG Secretariat E-mail: wcecs@iaeng.org Web site: http://www.iaeng.org/WCECS2009/ICMLDA2009.html
Oct 27-30	Statistics Canada's *25th International Methodology Symposium*, "Longitudinal Surveys: from Design to Analysis" to be held in Gatineau, Quebec, Canada. Members of the community, such as those researchers with private research organizations, governments, and universities, who are interested in statistical or methodological issues specific to longitudinal surveys, are invited to attend. See our web site for information including a call for papers. Information: Caroline Rondeau E-mail: symposium2009@statcan.gc.ca Web sites: www.statcan.ca/english/conferences/symposium2009/ http://www.statcan.gc.ca/conferences/symposium2009/index-eng.htm
Nov 18	*2009 African Statistics Day Celebrations.* Organized by the UN Commission for Africa and the African Centre for Statistics. This day was adopted in 1990 by the United Nations Economic Commission for Africa and the 16th meeting of African Ministers responsible for Economic Planning and Development to be celebrated each year in order to *increase public awareness about the important role which statistics play in all aspects of social and economic life of the continent.*
Dec 6-11	*65th Annual Deming Conference on Applied Statistics*, to be held in the Tropicana Casino Hotel, Atlantic City, NJ. The conference and the following two parallel two-day short courses provides a learning experience on recent developments in applied statistical methodologies. The conference is composed of twelve three-hour tutorials on current statistical topics. Recognized experts are invited to give the lectures and short courses based on their recently published books. Information: Walter R. Young 6109891622 E-mail: demingchair@gmail.com Web site: www.demingconference.com
Dec 28-31	*Seventh International Triennial Calcutta Symposium on Probability and Statistics*; to be held at the Department of Statistics, University of Calcutta, Kolkata, India. Papers from all areas of Probability Theory and Theoretical and Applied Statistics are invited. Two poster sessions, one from students and young researchers, and a sponsored one from Industry, are also planned. Deadline for submissions is June 30, 2009. Decision on acceptance will be communicated by August 31, 2009. Information: Dr. G. Chattopadhyay; Convenor, Organizing Committee Phone: +91-33-2461 5445 (ext. 410) Fax: +91-33-2461 4849 E-mail: caltri7@gmail.com Web site: http://triennial.calcuttastatisticalassociation.org
2010: Aug 31-Sep 1	The *31st ISCB congress* will be held in Montpellier at the ENSAM. The congress will concern statistical methodology and its use in Public Health decision making. In following tradition set by previous ISCB congresses, special attention will be focused on changes concerning widely used techniques. More specialized themes concerning chronic disease modelling and vaccination will also be treated. E-mail: contact@iscb2010.info
2011: Aug 21-Aug 25	The *32nd Annual Conference of the International Society for Clinical Biostatistics* will take place in Ottawa, Ontario, Canada. Information: Tim Ramsay 613-737-8899 x79380 613-739-6266 E-mail: tramsay@ohri.ca Web site: www.ohri.ca