Early Days of ICSA and Statistica Sinica

Call for Nomination of Pao-Lu Hsu Award

Results of 2011 ICSA Election

2011 ICSA Awards

ICSA 2012 Applied Statistics Symposium

Turn Research into Fun, and Vice Versa

The Advanced Analytics Hub at Eli Lilly

Research Portals
ICSA Calls for Nomination of Pao-Lu Hsu Award

The Pao-Lu Hsu Prize is presented every three years by the International Chinese Statistical Association (ICSA), usually at an ICSA conference, to an individual under the age of 50, who makes influential and fundamental contributions to any field of statistics and probability, and exemplifies Hsu’s deep involvement in developing statistics and probability research with significant impact on education.

Hsu, who was born in 1910, was a pioneer and founder of the newly formed discipline of statistics and probability in China. Hsu was best known for his rigorous research with depth and breadth, and for his profound impact on younger generations. He became the first professor of statistics and probability, Beijing University, in 1940. In 1948, he was elected to the very first class of Academicians of the Chinese Academy of Sciences. He published about 40 articles; see “Pao-Lu Hsu Memorial Collection” published by Peking University Press for more details.

The prize is open to all nationalities. Priorities are given to the candidates whose work contributes greatly to the research and education of Chinese statisticians. The award recipient will speak at an ICSA International Conference. The award includes $3000 in cash prize.

Eligibility

An individual is eligible if he/she has not reached 51 years of age by January 1 following the year of nomination.

Nomination Process

Send the following materials to Award Committee Chair, Professor Xiaotong Shen, via email to the ICSA office oicsa@icsa.org with the subject entitled “PL Hsu Award Nomination”. Items below can be sent as pdf, ps or plain text attachments.

(A) Nomination letter which include the following information: nominator’s name, mail/email address and phone number; nominee’s name, date of birth, title, institutional affiliation, and contact information; a summary of the supportive evidences that are the basis for the nomination. The length of the nomination letter should not exceed 3 pages.

(B) Nominee’s current CV

(C) Three letters of recommendation

Deadline

All nominations must be received by February 28, 2012. Subsequent deadlines will be announced by the ICSA.

Additional Information

The ICSA Pao-Lu Hsu Award Committee will review nominations. Nominators and the recipient will be notified by August 2012.
Contents of this issue:

Call for Nomination of Pao-Lu Hsu Award . . . . . . . . . Cover-2
The First Look and the Look First . . . . . . . . . . . . . . . 2
From the 2012 President, ICSA . . . . . . . . . . . . . . . . 3
From the 2011 ICSA President . . . . . . . . . . . . . . . . . 4
From the Executive Director . . . . . . . . . . . . . . . . . . 5
Results of 2011 ICSA Election . . . . . . . . . . . . . . . . . 6
ICSA 2012 Executives and Members of the Committees . . 6
2011 ICSA Awards . . . . . . . . . . . . . . . . . . . . . . . . 8
Report from the Program Committee . . . . . . . . . . . . . 10
ICSA Banquet at JSM 2011 . . . . . . . . . . . . . . . . . . . 12
Photos from JSM 2011 . . . . . . . . . . . . . . . . . . . . . . 13
ICSA Financial Report, July – December, 2011 . . . . . . . . 15
New Papers in ICSA Journals . . . . . . . . . . . . . . . . . 16
People News . . . . . . . . . . . . . . . . . . . . . . . . . . . 18
Early Days of ICSA and Statistica Sinica . . . . . . . . . . . 19
The Advanced Analytics Hub at Eli Lilly . . . . . . . . . . . 22
Turn Research into Fun, and Vice Versa . . . . . . . . . . . . 25
Researcher Portals . . . . . . . . . . . . . . . . . . . . . . . . 28
2012 ICSA Applied Statistics Symposium Committees . . . 30
2012 ICSA Applied Statistics Symposium Short Courses . . 32
Upcoming Events . . . . . . . . . . . . . . . . . . . . . . . . 37
Professional Opportunities . . . . . . . . . . . . . . . . . . . 38
Submission Guidelines for ICSA Bulletin . . . . . . . . . . . 39
Second Joint Biostatistics Symposium . . . . . . . . . . . . . 40
Student Paper Awards and Travel Grants . . . . . . . . . . . Cover-3
ICSA 2012 Applied Statistics Symposium Announcement . . Cover-4
The First Look and the Look First

Jun Yan

The feature article of this issue is “Early Days of ICSA and Statistica Sinica” based on the dinner banquet speech of George Tiao at the 2011 ICSA Applied Statistics Symposium in New York City, with additional remarks by James Fu and Jia-Yeong Tsay, and minutes by Naitee Ting. You will see how everything started from the basement at Professor Tiao’s house in Wisconsin back in the 1960’s. As a byproduct, you will also see how the ICSA Bulletin has evolved over the years.

As the new editor-in-chief of the ICSA Bulletin, I have considered for months what I would do first. The bulletin has well served its purposes as a newsletter to communicate between the members and the ICSA. Nevertheless, compared to the newsletters of sister organizations such as ASA and IMS (Amstat News and IMS Bulletin), our bulletin does not look, to put it bluntly, as stylish at first glance. Therefore, the look first — this is what I can start with. Our association has grown successfully since the very beginning; see more details about the history in the feature article. We have been walking the walk; why not look the look?

A professional look needs professional publishing software. I considered two factors: open source (in contrast, assistant editor Tati Howell of IMS Bulletin told me they used Adobe InDesign, a commercial software); and relative ease of usage (not only for me but also for editorial teams in the future). Not surprisingly, after some research, my solution was \LaTeX{} and a package of our own named IC\- SABul. Putting together my first issue is challenging because the package needs to be developed, but the effort is well worth investing. I am very grateful to have a volunteer editorial assistant, Gong-yi Liao, a tech savvy graduate student in statistics at the University of Connecticut, to develop the package with me.

As usual, the January issue bulletin publishes ICSA business and reports from executive officers and various committees. In particular, we have words from three executives, Ivan Chan (ICSA President, 2012), Naisyin Wang (ICSA President, 2011), and Shuyen Ho (ICSA Executive Director, 2011–2013); results of 2011 ICSA election; ICSA 2012 committees; 2011 ICSA Awards; report from the program committee chair (Tianxi Cai); report from the JSM local chair (Jie Mi), and financial report from the treasurer (Lynn Kuo). The 2012 Applied Statistics Symposium is underway. We have symposium committees, shortcourse abstracts, symposium announcement, and student paper competition and travel award announcement. New paper from the latest issue of Statistica Sinica and Statistics in Biosciences are also listed.

Several columns have been set up for the bulletin. Column “People News” publishes news about our members. Column “Looking Back” is designed for articles looking back at statistics, statisticians, and beyond. Column “Statisticians at Work” publishes articles on what statisticians do in their jobs, be it academic, industrial, or governmental. Stephen Ruberg and Haoda Fu, the column editors, talk about the Advanced Analytics Hub at Eli Lilly. Column “R Us” is for communicating tips on using R and more generally, statistical computing. The column editor Yihui Xie was the recipient of the 2009 John Chambers Award and is a current graduate student in the Department of Statistics, Iowa State University. He shares his R experience in this issue. Column “Blog Spot” means to be a digest spot of blogs by statisticians, and in this issue, Rob Hyndman discusses a timely matter on research portals after Google recently launched its “Google Scholar Citations.” More ideas and volunteers from our members to make the bulletin better are, of course, more than welcome!

The ICSA Bulletin now has an ISSN, 2226-2393. We also started numbering the volumes and issues. This way, articles in the bulletin can be cited and our contributors can be credited in a more formal way. The volume of 2012 is numbered 24; the volume of 1989 is viewed as volume 1, after the ICSA was officially certified in 1988.

I would like to thank Fang Yu, my predecessor, for her help and patience in making the transition smooth, Gong-yi Liao for taking care of details in style designs, members of the executive committee for their encouragement, clarifications, and support, and all contributors for their submissions and contributing editors for their efforts. The time period of preparing this issue overlapped with the first months of my baby boy, Bohan. I am indebted to Bohan and my wife, Jiafeng Sun, for their inspiration and support.

May 2012 be a productive and prosperous year for everyone!
Dear friends and ICSA members,

Happy New Year! It gives me great honor to have the opportunity to lead and serve ICSA in 2012. As I was completing the appointments of various committee chairs and new members in the last few weeks, I felt the outpouring of enthusiasm, energy, and dedication of you in serving this great society. I would like to take this opportunity to thank you for your trust and continued support.

ICSA had a very successful year in 2011 thanks to the leadership of the outgoing Past President Xuming He, incoming Past President Naiysin Wang, Executive Director Shu-Yen Ho, the board of directors, and the generous contributions by various ICSA committees and members. Some key accomplishments include completion of the revision of ICSA constitution and by-laws, the establishment of the P.L. Hsu Award, successful running of Statistica Sinica and Statistics in Biosciences, establishing co-sponsorship of Statistics and Its Interface, and a successful applied symposium in New York City with a record breaking attendance of over 600. I would like to extend my sincere gratitude to Xuming, Naiysin, Shu-Yen, their leadership team and all volunteers for their hard work to make this happen.

ICSA has a diverse membership from academia, industry, and government in many countries. About 60% of the members are from academia and 40% from industry and government. I believe membership in the latter two categories is underrepresented within ICSA, and there is a need to increase the exposure of ICSA in industry and government sectors. The revised constitution aims at balancing the representation of diverse membership (especially industry and government sectors) at the leadership level as well as encouraging the establishment of sections of special interests and local chapters to better serve members and recruit new ones. To quote Naiysin, “the only way for all members to feel truly belonging to ICSA is that they feel there are officers who represent them and have their interests in heart.” I cannot agree more with her as I believe diversification and growth of membership is important in building a strong society. I will work closely with the Executive Committee, the Board of Directors and our various ICSA Committees on these opportunities, and I will count on members’ input, support, and engagement.

Another way to strengthen ICSA is to increase the exposure and influence of our society in the international statistical community. This can be done by co-sponsoring meetings and hosting joint meetings with other societies. This year, ICSA will co-sponsor a number of conferences, including the Joint Statistical Meetings in San Diego (July 28 — August 2) and the Second Joint Biostatistics Symposium in Beijing (July 8 to 9). Last year, I helped establish an agreement between ICSA and the International Society for Pharmaceutical Statistics (ISBS) to host a joint symposium in the Washington DC area in 2013. ISBS has members in more than 30 countries, including many non-Chinese statisticians from Europe and North America. I truly hope this kind of joint meetings will increase ICSA’s exposure and influence to statisticians outside of our main constituency. It will also promote healthy collaboration between academia and industry and government within and outside ICSA. Yi Tsong and Aiyi Liu are leading the planning of this joint symposium on ICSA’s behalf; if you have any suggestions or would like to volunteer yourself to help organize this joint symposium, please don’t hesitate to contact them.

This year’s Applied Statistics Symposium will be held in Boston, Massachusetts from June 23 to 26. The meeting organization, co-led by Mingxiu Hu and Tianxi Cai, is well underway. The meeting program will include invited sessions, short courses, social events, and an evening banquet. There will be three keynote speakers featuring Professor Bradley Efron from Stanford University, Professor Andrew Lo from MIT, and Dr. Richard Simon from NCI. The banquet speaker is Shing Tung Yau (邱成桐) from Harvard University. The symposium will provide a great platform not only for scientific exchanges, but also for collaboration, networking and career advice. Please mark your calendar and I look forward to seeing you there.

ICSA is founded and run by volunteers and members. The society cannot be successful without the dedication and commitment of members. We are also fortunate to have the continued support from Professor Karl Peace at Georgia Southern University providing space and assistance in manag-
From the ICSA Executives

Ivan S. F. Chan
2012 President, ICSA
Senior Director
Late Development Statistics
Merck Research Laboratories

From the 2011 ICSA President

Naisyin Wang

Dear ICSA members,

At the end of my term as your president, I like to thank you for giving me this chance to serve this wonderful association. In the past year, my term has given me opportunities to work with and learn from a group of extremely talented and devoted people. To our student and junior-faculty members, if you like a chance to learn how to run a successful operation, volunteering at ICSA and learning from these people would definitely be a worthy experience. Even a slow learner like me has benefited from observing how they think and how they proceed.

We all know my predecessor, Xuming He, who is now also my colleague at University of Michigan. Xuming has started several important initiations that would have influences on our association for years to come. With helpful discussions from him and our current president Ivan Chan, many things become much easier to carry out. Various important tasks are finished this year. Under the leadership of co-chairs, Jianqing Fan and Jane-Ling Wang, our constitution has been revised last September. It is a two-year process to ensure that the content is suitable to the needs of our association. The leadership of Jianqing and Jane-Ling is essential here and I cannot thank them enough.

Several of our committee leaders will end their term with me but they will continuously serve the association at a different role. I have heard positive comments from many of you who have attended the 2011 ICSA applied symposium in New York City or the joint statistical meeting at Miami. The credits go to our Program Committee Chair, Ying Lu and the conference committee chairs, Zhezhen Jin and Jie Mi, as well as the ICSA program chair to the JSM program committee, Huixia (Judy) Wang.

It was actually a great deal of efforts from them to accommodate many last minutes surprises and to ensure these meetings ran smoothly. The seemingly effortless is perhaps the highest level of administration ability. Ying will take another important role to lead the publication committee of the association. I am sure you will read more about his contributions in the near future.

With his crazy working schedule, Heping Zhang still finds time to help me by leading the Nomination and Election Committee. I am always impressed by how Heping tries his best to include everyone so that the candidate pool would be diverse. He had the same practice in the conference program committees that I was involved too. I have never known how much effort goes into this candidate list until I actually saw how it was done. Heping will also lead another important ICSA function in the near future, as the ICSA liaison to the international committee that organizes events to celebrate the International Year of Statistics in 2013.

Our president-elect Ming-Hui Chen ends his term as the chair of Publication Committee in 2011. With his high energy, Ming-Hui has finished numerous tasks within his term. It would take another half page to list all of them. As you might have noticed, Fang Yu, Editor-in-Chief, ICSA Bulletin has stepped down and Jun Yan has become the new Editor-in-Chief for this Bulletin. Jun’s starting act is to register the bulletin in ISSN. There is another important piece of news that I like to share with you. Collaborating with Springer, ICSA will launch a Springer ICSA book series. The inaugural editor of ICSA book series will be Jiahua Chen of UBC. No matter where are you located, if you are interested in contributing to the book series, please do not hesitate to contact Jiahua. The existence of the book series is a clear indication of the healthy growth of ICSA.

I like to take the chance to also thank Lynn Kuo, our treasurer, Lixin Gao, chair of IT Committee, Zhaohai Li, chair of Membership Committee, Xiao-
From the ICSA Executives

Naisyin Wang
2011 President, ICSA
Professor
Departments of Statistics and Biostatistics, University of Michigan

From the Executive Director

Shuyen Ho

Dear ICSA Members,

As we say good bye to The Year of the Rabbit, we welcome The New Year of the Dragon. Looking back through the past year, ICSA has enjoyed significant progress, from our successful 2011 Applied Symposium and elections, to building a bigger and more diversified community. One of the most notable milestones ICSA achieved was the revision of the constitution and bylaws, which took a long time with multiple iterations. These new constitution and bylaws make the ICSA governance in-line with leading statistical professional societies, where the formation of sections and chapters is well stipulated. Soon after the new constitution and bylaws took effect, a Canadian chapter was proposed. We are very hopeful that in the future ICSA will continue to expand, providing new chapters and sections that will help achieve ICSA objectives and better serve our members. Please visit this website http://www.icsa.org/home/bylaw.html for the new constitution and bylaws.

The ICSA continues to co-sponsor conferences that are co-organized by our members. The new way of advertisements has picked up more interest and generated additional revenues for ICSA. The home office has helped develop the 2012 Applied Symposium web site and it is up and running at http://www.icsa.org/meetings/symposia/index.html

The 2011 second ICSA board meeting was held on July 31, 2011 at the Miami Beach Convention Center during the Joint Statistical Meetings. In addition to the bylaws revision update, the board certified the 2011 election results. Also updated during the board meeting included the 2011 Awards, 2012 Symposium and 2013 International Conference. Subsequently the election results were announced at the ICSA annual members meeting on August 3, where the 2011 Awards were presented as well.

As always, your support of and participation in ICSA programs and activities will be important for the continued success of ICSA. I have enjoyed serving you for the last 12 months and look forward to serving you for the next two years. Your ideas and suggestions will be greatly appreciated.

I wish you all a prosperous Dragon year!

Shuyen Ho, Ph.D.
ICSA Executive Director (2011-13)
Director, Statistics and Programming
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E-mail: ehu-yen.y.ho@gsk.com

www.icsa.org
Results of 2011 ICSA Election

2012 President-Elect
Ming-Hui Chen (University of Connecticut)
mhchen@uconn.edu

Directors of ICSA Board (2012-2014)
- Yeh-Fong Chen (CDER of U.S. Food and Drug Administration)
yehfong.chen@fda.hhs.gov
- Henry Horng-Shing Lu (National Chiao Tung University, Taiwan)
hslu@stat.nctu.edu.tw

2012 Biometrics Section Chair
Tianxi Cai (Harvard School of Public Health)
tcai@hsph.harvard.edu

ICSA 2012 Executives and Members of the Committees

EXECUTIVES
President: Ivan S.F. Chan (2012)
Past President: Naisyin Wang (2012)
President-elect: Ming-Hui Chen (2012)
Executive Director: Shu-Yen Ho (2011-2013)
ICSA Treasurer: Lynn Kuo (2010-2012)
Office of ICSA: Lili Yu, Jingxian Cai, Ruth Whitworth, Karl Peace, Jiann-Ping Hsu College of Public Health, Georgia Southern University, oicsa@icsa.org, Phone: (912) 478-1277.

BOARD of DIRECTORS

STANDING COMMITTEES
Program Committee
Term of reference: (1) Recommend conference and symposium sites, including candidates for their Chairs. (2) Recommend general policy for all meetings, subject to approval by the Board of Directors. (3) Represent ICSA in the JSM Program Committee and coordinate ICSA activities at the JSM.

Finance Committee
Lynn Kuo (Chair, 2010-2012), Linda Yau (2010-2012), Past chair of Financial Committee: Yusong Chen (2010-2012).
Term of reference: (1) Manage three ICSA bank accounts (L. Kuo, ICSA main account; L. Yau, ICSA Applied Statistics Symposium account; Y. Chen, ICSA J. P. Hsu Memorial Scholarship Fund account). (2) Oversee the budget and to recommend long-term financial planning and invest the Asso-
association’s assets, subject to approval by the Board of Directors. (3) Manage ICSA PayPal account for online credit card payment.

Nomination and Election Committee

Term of reference: Nominate the candidates for President-elect and members of the Board of Directors.

Publication Committee
Ying Lu (Chair) (2012-2014), Liang Li (2012-2014), Frank Liu (2012-2014), Jun Yan (Editor of Bulletin), Xihong Lin (Co-Editor of SIB), Jose C. Pinhero (Co-Editor of SIB), Hongyu Zhao (Co-Editor of SIB), Jeng-Min Chiu (Co-Editor of S. Sinica), Naisyin Wang (Co-Editor of S. Sinica), Qiwei Yao (Co-Editor of S. Sinica), Shu-Yen Ho (Ex-Officio).

Term of reference: Oversee the publication policy of the Association and make recommendations to the Board of Directors.

CURRENT COMMITTEES

Membership Committee

Term of reference: Recruit new members and contact interested potential individuals and organizations.

Awards Committee

Term of reference: Accept, evaluate, and recommend nominations for ICSA various awards.

ICSA IT Committee
Lixin (Simon) Gao (Chair, 2010-2012), Don Sun, Ruth Whitworth.

2012 Applied Statistics Symposium Committee
Tianxi Cai (Co-chair), Mingxu Hu (Co-chair).

Term of reference: Organize the Applied Statistics Symposium, June 23-26, 2012, the Westin Waterfront, Boston, Massachusetts, USA.

Book and Journal Donation Committee
Tar Timothy Chen (Chair).

Term of reference: Solicit book and journal donations and to arrange their delivery to universities or colleges in need.

Annual Meeting Committee (2012 JSM)
Ronghui Xu (Chair).

Term of reference: Plan, coordinate and arrange the August annual meeting at the 2012 JSM in San Diego, CA, July 28 – August 2, 2012.

ICSA Representative to JSM Program Committee

Term of reference: Represent ICSA in the JSM Program Committee, coordinate ICSA sponsored and co-sponsored sessions at JSM.

Archive Committee

BIOMETRICS SECTION

Tianxi Cai (Chair, 2012), Kai Yu (Past Chair, 2011).

Ad Hoc Committee on ICSA Sections: Formulating Structure and Governing Rules
J. Jack Lee (Chair), Tianxi Cai, Wei-Yann Tsai, Naitee Ting, Kai Fun Yu.


Ad Hoc Committee Charges and Action Items:
1. Create a list and contact database for the Biometrics Section members. 2. Create a file with the structure and governing rules of Sections. 3. Revive the function of the Biometrics Section.
2011 ICSA Awards

Distinguished Achievement Award

This award honors individuals for their outstanding service to the Association. It recognizes work that has facilitated or served as a model for the work of others in promoting the mission of the ICSA.

Kung-Yee Liang Ph.D., President of the National Yang-Ming University, Taiwan.

Dr. Kung-Yee Liang received his Ph.D. in Biostatistics from University of Washington in 1982 and has been faculty at the Department of Biostatistics, Johns Hopkins University since then until July, 2010. He served as the Graduate Program Director for the department from 1996 to 2003. Liang has served as the Vice President, National Health Research Institutes (NHRI), Taiwan from July, 2003 to August, 2006 and was NHRI’s Acting President for six months beginning in January, 2006. In August, 2010, Liang was appointed as the President of the National Yang-Ming University, the first medically oriented university in Taiwan.

Liang’s research interest has primarily been on developing new statistical methods for analyzing correlated data derived from longitudinal and genetic epidemiological studies. Liang is an internationally renowned epidemiologist and biostatistician. His innovative works in the developments and applications of Generalized Estimating Equations are well known among statisticians, epidemiologists and health Sciences researchers. Liang is a co-author of the book on Analysis of Longitudinal Data published by the Oxford University Press in 1994 (2002 for the second edition).

Among the honors and awards, Liang has received the Snedecor Award (with Scott Zeger) in 1987 by the American Statistical Association for best publication in biometry for 1986 and the Spiegelman Award by the American Public Health Association in 1990 for outstanding accomplishments in the field of health statistics. Liang became an Elected Fellow of the American Statistical Association in 1995 and an Elected Academician, Academia Sinica, Taiwan, in 2002. In 2010, Liang was the recipient of the Rema LaPouse Award by the American Public Health Association for significant contributions to the scientific understanding of the epidemiology and control of mental disorders.

Ruey S. Tsay Ph.D., H. G. B. Alexander Professor of Econometrics and Statistics, University of Chicago Booth School of Business.

Dr. Ruey S. Tsay is the H. G. B. Alexander Professor of Econometrics and Statistics, University of Chicago Booth School of Business. He earned his BS in mathematics from the National Tsing Hua University and PhD in statistics from University of Wisconsin-Madison in 1982. Before joining University of Chicago, he was on the statistics faculty at Carnegie Mellon University from 1982 to 1989.

His research focuses on linear and nonlinear time series analysis, financial econometrics, forecasting, and risk management. He has made fundamental and innovative contributions in model specification for univariate and multivariate time series, outlier detection, volatility modeling, and risk assessment. He and George Tiao proposed the extended autocorrelation function for specifying ARMA models (JASA, 1984) and the scalar component models to identify the structure of a linear vector time series (JRSSB, 1989). He showed that AIC continues to apply when the underlying time series is unit-root nonstationary (Annals of Statistics, 1984) and developed a widely used test statistic for detecting nonlinearity in a time series (BKA, 1986). He also proposed effective methods for applying univariate and multivariate threshold time series models (JASA, 1989 and 1998). Jointly with Rong Chen, Tsay proposed functional-coefficient and nonlinear additive autoregressive models (JASA, 1993a & b) that led to many subsequent studies in nonlinear time series analysis. In financial econometrics, he and his co-authors developed nonlinear models for high-frequency data (Journal of Econometrics, 2006 and Journal of Empirical Finance, 2008) and developed methods for modeling asset volatility (JASA, 2011). Overall, he has published more than 100 articles in leading econometrics and statistics journals. His book Analysis of Financial Time Series, 3rd Edition, Wiley (2010), is well received and made him Wiley’s
Tsay served and continue to serve on many committees of the profession, including ICSA. He was co-editor of the Journal of Business and Economic Statistics (1995-1997) and on the editorial board of many journals, including Journal of the American Statistical Association, Statistica Sinica, and Journal of Financial Econometrics. He also serves on the editorial board of the Probability and Statistics Book Series, Wiley, and as the founding editor of Handbook Series on Financial Econometrics, Wiley. Currently, he is on advisory boards of several institutions in Beijing, Hong Kong and Taiwan. Starting from 1989, he is an organizer of the annual NBER/NSF Time Series Conference. Tsay is a Fellow of the American Statistical Association, Institute of Mathematical Statistics, and Royal Statistical Society and a member of the Institute of International Statistics. He was elected Academician, Academia Sinica in 2002. He received Faculty Research Awards from Alcoa (1985) and IBM (2005). He has been invited to give special lectures at many universities and institutions around the world, including UW Vienna, Austria and the International Monetary Fund, Headquarters.

Outstanding Service Award

This award honors individuals for their distinguished achievements and leadership in statistics research, education, or applications.

Ming-Hui Chen  Ph.D., Professor and Director of the Statistical Consulting Services, Department of Statistics, University of Connecticut.
Dr. Ming-Hui Chen is Professor, Director of the Statistical Consulting Services, Department of Statistics, University of Connecticut, USA. Chen received his Ph.D. in Statistics in 1993 from Purdue University.

Dr. Chen has published over 230 publications in mainstream statistical and medical journals, including Annals of Statistics, Journal of the American Statistical Association, Biometrika, Journal of the Royal Statistical Society, Series B, Biometrics, Statistica Sinica, New England Journal of Medicine, The Journal of the American Medical Association, Journal of the National Cancer Institute, Molecular Biology and Evolution, etc. Two of his co-authored books, Bayesian Survival Analysis and Monte Carlo Methods in Bayesian Computation, have been very well cited in the Biostatistics literature and have become textbooks for advanced graduate courses. The contributions of Dr. Chen’s work are well recognized in Academia, Government guidelines and industrial practices.

Dr. Chen is Fellow of the American Statistical Association and the Institute of Mathematical Statistics. He is currently an Editor of Bayesian Analysis and an Associate Editor of Journal of the American Statistical Association as well as several other statistical journals.

Dr. Chen is a lifetime member of ICSA. He currently serves as an Associate Editor for Statistics and Its Interface (SII, an ICSA co-sponsored journal) and as the chair of the ICSA Publication Committee (2011). He served on the ICSA Board of Directors (2004-2006) and the Executive Director (2007 to 2010). During this period time, Dr. Chen has spent tremendous efforts to modernize daily functions of ICSA; the results include new ICSA webpage, semi-automatic voting system, on-line membership renewal and registration, among others. He was the chair of the local organizing committee of the 2006 ICSA Applied Statistics Symposium and the coordinator of the scientific program committee for the 2010 ICSA International Conference. Currently, he serves as a member of the executive committee of the 2012 ICSA Annual Applied Statistics Symposium.

Xihong Lin  Ph.D., Professor of Biostatistics and the Coordinating Director of the Program in Quantitative Genomics at the School of Public Health of Harvard University.

Dr. Xihong Lin is a Professor of Biostatistics and the Coordinating Director of the Program in Quantitative Genomics at the School of Public Health of Harvard
University. Dr. Lin received her BS in Applied Mathematics from Tsinghua University in 1989 and PhD in Biostatistics from the University of Washington in 1994. She began her career in academe at the University of Michigan in 1994 where she was promoted to Professor of Biostatistics in 2002. She joined the Harvard School of Public Health as Professor of Biostatistics in 2005. Her research areas include development and application of statistical and computational methods for analysis of high-dimensional genomic and ‘omics data in population and clinical sciences, and for analysis of correlated data, such as longitudinal, clustered and spatial data.

She is a Fellow of the American Statistical Association (ASA), the Institute of Mathematical Statistics and an elected member of the International Statistical Institute. She is a recipient of the Spiegelman Award from the American Public Health Association in 2002, the President’s Award from the Committee of Presidents of Statistical Societies (COPSS) in 2006, as well as the MERIT Award from the National Cancer Institute in 2007. She served as the chief editor of Biometrics (2003-2005) and has served on various editorial boards of Biometrika and the Journal of the American Statistical Association. She has served on numerous review panels of NIH and NSF. She currently serves the Chair of the COPSS.

Dr. Lin served on the ICSA Board of Director in 2004-2006. She is the founding co-editor of Statistics in Biosciences (2009-present). Her devoting efforts have made the existence of this ICSA sponsored journal reality.

President’s Citation

This award recognizes meritorious accomplishments by individuals for their service to the Association.

Kuang-Kuo Gordon Lan
Ph.D., Senior Director of Quantitative Decision Strategy Janssen Pharmaceutical Companies of Johnson & Johnson.

Dr. Gordon Lan received his Ph.D. in Mathematical Statistics from Columbia University. Before joining Johnson & Johnson in 2005, he held positions as Mathematical Statistician at the National Heart, Lung and Blood Institute/NIH, Professor of Statistics at George Washington University, Distinguished Scientist at Pfizer and Statistics Fellow at Sanofi-Aventis.

Gordon has published more than 40 research papers on statistical methods in medical research and has given more than 200 invited talks at universities and professional meetings. His most notable contribution is the development, with DeMets, the alpha spending function approach to the design and interim analysis of clinical trials. Gordon was elected Fellow of the American Statistical Association, and Fellow of the Society for Clinical Trials.

Report from the Program Committee

Tianxi Cai

ICSA Program Committee

1. Yongming Qu and Ying Lu have completed their term as committee members.

2. Continuing Program Committee members are

   - Zhezhen Jin (2010-2012, zjin@biostat.columbia.edu)
   - Dongseok Choi (2010-2012, choid@ohsu.edu)
   - Jeng-Min Chiou (2011-2013, jmchiou@stat.sinica.edu.tw)

3. According to the newly passed ICSA By-Laws, new members are appointed by the ICSA President Ivan Chan. They are:

   - Annie Qu (2011-2013, anniequ@illinois.edu)
   - Tianxi Cai (2011-2013, tcai@hsph.harvard.edu)
ICSA Reports

Annie Qu, 2011-2013
Aiyi Liu, 2012-2014, 2013 ICSA Symposium Co-chair
Yi Tsong, 2012-2014, 2013 ICSA Symposium Co-chair
Huixia Wang, 2012, 2011 ICSA Representative to JSM Program Committee
Bin Nan, 2012-2013, 2012 ICSA Representative to JSM Program Committee
Ronghui Xu, 2012, JSM local chair
Lixing Zhu, 2012-2014, 2013 International Conference Co-chair (representative)

4. The program committee is developing an operational manual for the annual applied statistical symposium and annual JSM. The goal of this document is to provide guidance for future symposium organizers based on the past experience of previous symposiums.

Past events in Since July 2011

1. ICSA Co-sponsors the first international symposium on system informatics and engineering, held on July 11 – July 13, 2011, in Qingdao, China. The keynote speakers are Prof. Jan Shi of Georgia Tech, Prof. Philip Yu of University of Illinois at Chicago, and Dr. Dave Belanger of AT&T Labs. Five invited theme sessions, eight invited sessions, and eight contributed sessions were presented. The symposium was sponsored by INFORMS Data Mining and AI Sections, IEEE SME Society, China PMH Society, ICSA, City University of Hong Kong and Hong Kong University of Science and Technology.

2. 2011 JSM took place in July 30-August 4, 2011 at Miami Beach, Florida. ICSA member meeting and the annual banquet were held on August 3rd. President Naisyin Wang discussed By-Law revision in the member meeting. A delicious banquet was followed at Tropical Chinese Restaurant. About 120 members and their families attended the dinner. We thank Professor Jie Mi and his students in the Florida International University for their excellent organization of the event.

Year 2013

1. ICSA 2013 Applied Statistical Symposium will be held in Bethesda, MD. Drs. Yi Tsong, (yi.tsong@fda.hhs.gov) and Aiyi Liu (liua@mail.nih.gov) are the Chairs of the ICSA organization committee. The ICSA Board has approved a proposal by the organization committee to join the 2013 symposium with the International Conference of the International Society for Biopharmaceutical Statistics (ISBS). Details of this event will be forthcoming.

Year 2012

1. ICSA 2012 Applied Statistical Symposium will be held on June 23 to June 26, 2012 (Tuesday), Westin Waterfront, Boston, Massachusetts, USA. Dr. Mingxiu Hu (Mingxiu.hu@mpi.com) and Professor Tianxi Cai (tcai@hsph.harvard.edu) will co-chair this event. For detailed information, please see the separate report in the Bulletin. Please send your suggestions, questions, and donations to the chairs. The program will be online at ICSA website in July 2011.

2. JSM will take place in August at San Diego, California. There will be an ICSA member meeting and a banquet. Professor Ronghui (Lily) Xu, UCSD Biostatistics is the Chair for the local committee. Please send your suggestions and questions to rxu@math.ucsd.edu.

3. The Second IMS Asia Pacific Rim Meetings, which was originally scheduled on July 3-6, 2011, has now been postponed to July 2-4, 2012. ICSA remains to be the conference co-sponsor. Please contact Professor Runze Li (rli@stat.psu.edu) for more details.

4. The second Chinese joint biostatistics symposium will be held on July 8–9, Beijing, China. This upcoming Symposium will focus on statistical methods and their applications in basic medicine, clinical medicine, public health and preventive medicine, traditional Chinese medicine, health economics, and statistical methods in bioinformatics. The program committee of the symposium is now soliciting proposal for invited sessions. The submission deadline is Feb 15, 2012. Please contact Professor Andrew Zhou (azhou@u.washington.edu) for more details.
information, please contact Professor Lixing Zhu (lxz@hkbu.edu.hk) at Hong Kong Baptist University. Details will be developed and announced.

Year 2014

1. ICSA 2014 Applied Statistical Symposium will be held in Portland, Oregon. If you would like to help, please contact Dr. Dongseok Choi (choid@ohsu.edu).

Year 2015

1. ICSA 2015 Applied Statistical Symposium will be held in Fort Collins, Colorado. If you would like to help, please contact Dr. Naitee Ting (Naitee.Ting@boehringer-ingelheim.com) or Professor Haonana Wang (wanghn@stat.colostate.edu)

If you would like to have ICSA co-sponsorship for statistical conferences and meetings, please use the website http://www.icsa.org/meetings/co-sponsorship/index.html to submit your application for co-sponsorship.

The program committee would appreciate comments and suggestions to improve ICSA programs. Please send your inputs to Professor Tianxi Cai (tcai@hsph.harvard.edu).

Tianxi Cai, Ph.D.,
Chair, ICSA Program Committee (2012–2013)
Associate Professor of Biostatistics
Department of Biostatistics
Harvard University
665 Huntington Avenue
Building 1 Room 411
Boston, Massachusetts 02115
Phone: 617.432.4923
tcai@hsph.harvard.edu

ICSA Banquet at JSM 2011

Jie Mi

The ICSA Conference was held in the charming city of Miami, FL on August 3, 2011. As usual the ICSA Annual Banquet was held at the end of the conference. The banquet took place at the Tropical Chinese Restaurant. This restaurant received four stars from the Miami Herald and has a solid reputation in this area.

It took quite a bit of an effort and time to plan and arrange the banquet. Nearly 150 members attended the banquet, which was a great achievement. The conference arranged for three buses to provide transportation between the restaurant and the hotels in Miami Beach where ICSA members stayed during the conference. We had a delightful meal at the banquet and here are some of the sample dishes: 腌酱鸡丝两张皮 (Pancake of Egg and Tofu with Sesame Source), 糟溜鱼片 (Fish Filet with Special Source), 三杯鸡 (Triple Salute Chicken with Fresh Basil), and 芝麻球 (Sesame Ball). In addition to the wonderful food, the banquet organizers also arranged for Karaoke. The lighthearted entertainment at the end of the evening made the banquet ever more fun.

Even though the planning of the banquet was challenging, it went without a hitch due to the strong support of the officials of ICSA. Here is a list of names in alphabetical order I would like to highlight to show my appreciation: Ivan S.F. Chan, Shu-Yen Ho, Jiming Jiang, Lynn Kuo, Ying Lu, Naisying Wang, Fang Yu, and Lili Yu. In addition, I would like to thank the following students who worked the ICSA information booth for three days and provided useful local information to ICSA members in addition to selling banquet tickets: Suisui Che, Shuiha Luo, Zeyi Wang from the Department of Mathematics and Statistics of the Florida International University, and Jingxian Cai from the Georgia Southern University. Finally, a special acknowledgement goes to Dongxiang (Donna) Miao; without her valuable contribution to the ICSA, it would be hard to imagine how the organization of the banquet could have been completed.

Jie Mi
JSM Local Chair, ICSA
Professor
Department of Statistics
Florida International University

www.icsa.org
⇒ The ICSA booth at JSM 2011

⇐ Ming-Hui Chen accepts 2011 ICSA Outstanding Service Award from Naisyin Wang.

⇒ Xihong Lin accepts 2011 ICSA Outstanding Service Award from Naisyin Wang.

⇐ Gordon Lan accepts 2011 ICSA President’s Citation from Naisyin Wang.
⇒ ICSA members meeting at JSM 2011.

⇐ A scene at the JSM 2011 banquet.

⇒ (From left) Kelly Zou, Nancy Geller, Naisyin Wang, Jinguo Gao, and Aiyi Liu.
## International Chinese Statistical Association
### Profit and Loss
#### July 1, 2011 to Dec. 31, 2011

### Balance, July 1, 2011

$117,446.49

### Income

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membership fee</td>
<td>$3,970.00</td>
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<tr>
<td>Membership fee (2010)</td>
<td>$2,080.65</td>
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<tr>
<td>Springer Direct Deposit</td>
<td>$2,500.00</td>
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<tr>
<td>Job Advertisement</td>
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<td>Donation</td>
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<td>Miscellaneous</td>
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<td><strong>Total Income</strong></td>
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### Expense

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<tr>
<td>Bank Incoming Wire Fee</td>
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<td>Paypal Service charge</td>
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<td>Postages (certified and registered mails)</td>
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<tr>
<td>Accounting (Tax Form)</td>
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<tr>
<td>Banquet (8/3)</td>
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<tr>
<td>Bus for Banquet (8/3)</td>
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<td>P.L. Hsu Memorial Session speaker Travel</td>
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<td>OICSA staff travel to JSM</td>
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<td><strong>Total Miscellaneous</strong></td>
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<tr>
<td>Postage and Delivery (July Bulletin)</td>
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</tr>
<tr>
<td>Printing and Reproduction (July Bulletin)</td>
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<td><strong>Total July Bulletin</strong></td>
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<tr>
<td><strong>Total Expense</strong></td>
<td><strong>$13,342.64</strong></td>
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### Net Ordinary Income

$16,185.63

### Other Income/Expense

$0.00

### Net Other Income

$0.00

### Net Income

$16,185.63
International Chinese Statistical Association
Balance Sheet
July 1, 2011 through Dec. 31, 2011

ASSETS

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tr>
<td>Checking/Savings: Checking</td>
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<td>Checking/Savings: CD</td>
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<td><strong>TOTAL ASSETS</strong></td>
<td><strong>$133,632.12</strong></td>
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LIABILITIES & EQUITY

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<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Equity: Opening Balance July 1, 2011 of ICSA</td>
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</tr>
<tr>
<td>Equity: July-Dec Net Income</td>
<td>$16,185.63</td>
</tr>
<tr>
<td><strong>Total Equity</strong></td>
<td><strong>$133,632.12</strong></td>
</tr>
</tbody>
</table>

**TOTAL LIABILITIES & EQUITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL LIABILITIES &amp; EQUITY</strong></td>
<td><strong>$133,632.12</strong></td>
</tr>
</tbody>
</table>

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New Papers in ICSA Journals

Statistics in Biosciences

Statistics in Biosciences (SIB) is published twice a year in print and electronic form. It aims at development and application of statistical methods and their interface with other quantitative methods, such as computational and mathematical methods, in biological and life science, health science, and biopharmaceutical and biotechnological science.

Volume 3, Number 2, December 2011

http://www.springerlink.com/content/1867-1764/3/2/

Innovative Clinical Trial Designs Toward a 21st-Century Health Care System

Tze L. Lai and Philip W. Lavori

Risk-Specific Optimal Cancer Screening Schedules: An Application to Breast Cancer Early Detection

Charlotte Hsieh Ahern, Yi Cheng and Yu Shen

Semiparametric Transformation Rate Model for Recurrent Event Data

Donglin Zeng, Douglas E. Schaubel and Jianwen Cai

Cox Regression with Covariates Missing Not at Random

Victoria J. Cook, X. Joan Hu and Tim B. Swartz

On Confidence Interval Construction for Establishing Equivalence of Two Binary-Outcome Treatments in Matched-Pair Studies in the Presence of Incomplete Data

Man-Lai Tang, Hui-Qiong Li, Ivan S. F. Chan and Guo-Liang Tian

A Note on Correction of Information Time in a Survival Trial Using an Alpha Spending Function

Michael A. Proschan and Martha Nason

www.icsa.org
Statistica Sinica endeavors to meet the needs of statisticians faced with a rapidly changing world. It publishes significant and original articles that promote the principled use of statistics along with related theory and methods in quantitative studies, essential to modern technologies and sciences. It is published quarterly in January, April, July and October.

Volume 22, Number 1, January 2012


Hyperparameter and model selection for nonparametric Bayes problems via Radon-Nikodym derivatives
Hani Doss

Semiparametric mixture of binomial regression with a degenerate components
J. Cao and W. Yao

Analysis on censored quantile residual life model via spline smoothing
Yanyuan Ma and Ying Wei

Presmoothing in functional linear regression
Freseric Ferraty, Wenceslao Gonzalez-Manteiga, Adela Martinez-Calvo and Philippe Vieu

A simultaneous confidence band for sparse longitudinal regression
Shujie Ma, Lijian Yang and Raymond J. Carroll

Tests for variance components in varying coefficient mixed models
Zaixing Li, Yuedong Wang, Ping Wu, Wangli Xu and Lixing Zhu

Doubly robust nonparametric multiple imputation for ignorable missing data
Qi Long, Chiu-Hsieh Hsu and Yisheng Li

Doubly robust instrumental variable regression
Ryo Okui, Dylan S. Small, Zhiqiang Tan and James Robins

Multiscale and multilevel technique for consistent segmentation of nonstationary time series
Haeran Cho and Piotr Fryzlewicz

Default Bayesian analysis for multivariate generalized CAR models
Sarat C. Dass, Chae Young Lim and Tapabrata Maiti

Efficient semiparametric GARCH modeling of financial volatility
Li Wang, Cong Feng, Qiongxia Song and Lijian Yang

Elastic net for Cox’s proportional hazards model with a solution path algorithm
Yichao Wu

Empirical likelihood analysis for the heteroscedastic accelerated failure time model
Mai Zhou, Mi-Ok Kim and Arne C. Bathke

Joint analysis of longitudinal data with dependent observation times
Xingqiu Zhao, Xingwei Tong and Liuquan Sun

A pattern-mixture model for haplotype analysis of longitudinal traits with non-ignorable dropout
Hongying Li and Rongling Wu

Estimating a monotone trend
Ou Zhao and Michael Woodroofe

Stochastic counterfactuals and stochastic sufficient causes
Tyler J. VanderWeele And James M. Robins Fan

Bayesian designs for hierarchical linear models
Qing Liu, Angela M. Dean and Greg M. Allenby

D-optimal partially replicated two-level factorial designs
Shin-Fu Tsai, Chen-Tuo Liao and Feng-Shun Chai

Construction of orthogonal and nearly orthogonal latin hypercube designs from orthogonal designs
Jinyu Yang and Min-Qian Liu
Xuming He Joins the University of Michigan

Xuming He has joined the Department of Statistics at the University of Michigan as Harry C. Carver Professor of Statistics. He moved to Ann Arbor in September 2011. Xuming is one of several senior faculty members to join the Department of Statistics at Michigan in the last few years. Others include Naisyin Wang and Tailen Hsing (who is currently Chair of the Department).

Xuming completed his PhD in Statistics from the University of Illinois at Urbana-Champaign (UIUC) in 1989. He was at the National University of Singapore from 1989 to 1993 and moved to UIUC where he was on the faculty for 18 years. This period includes a stint as Program Director of Statistics at the NSF from 2003 to 2005. His research spans a wide range of areas of semiparametric and nonparametric statistics — robust statistics, quantile regression, and data depth. He has been extensively involved in interdisciplinary work, including bioinformatics, dysphagia research, educational testing, and climate research. His work has been funded by NSF, NSA, NIH, and China’s National Natural Science Foundation. Xuming is a passionate teacher and mentor; he appeared frequently on “the List of Teachers Ranked as Excellent by Their Students” at UIUC. He has supervised over twenty doctoral students, many of whom have established successful careers in statistics and biostatistics.

Xuming is a Fellow of the American Association for the Advancement of Science, ASA, and IMS. He holds Honorary Professorships at the University of Hong Kong and at the School of Management at Fudan University. Xuming has served as Chair of the Program Committee for the 2010 Joint Statistical Meetings and is currently chairing the Scientific Program Committee for the 2013 ISI World Statistics Congress. He was the President of the International Chinese Statistical Association in 2010. He served as Co-editor of Statistics and Its Interface, Sankhya, and the Journal of Multivariate Analysis. He has been on the editorial board of Annals of Statistics, Statistica Sinica, and JRSS. Currently, he is Co-Editor of JASA (Theory & Methods).

Xuming says: “I am proud of my long association with UIUC, and I miss many of my colleagues and friends in Illinois. I am very excited about joining the University of Michigan which is committed to a first-class statistics program. My family and I really like Ann Arbor — it is a dynamic and well-rounded college town.”

(Submitted by Vijay Nair, The University of Michigan)

George C. Tiao Reading Room“ established and PKU Stats Center Book Appeal

Center for Statistical Science, Peking University, has established a “George C. Tiao Reading Room” to honor Professor George Tiao, W. Allen Wallis Professor of Econometrics and Statistics (emeritus), University of Chicago and the first ICSA president. The center appreciates donations of books from ICSA members, especially from those who have recently authored a book. Authors are encouraged to sign their books; these books will be displayed in a specially designated shelf in the reading room.

The contact information of the Center is: Ms Weixiang Zhang, Email: stat-center@pku.edu.cn, Phone: 86-10-62760736, Yan Dong Yuan 32 Building, Peking University, Beijing 100871, China.

Professor C. F. Jeff Wu received COPSS Fisher Lecture award in JSM 2011

Professor C.F. Jeff Wu delivered 2011 COPSS Fisher Lecture, entitled “Post-Fisherian Experimentation: From Physical to Virtual” at the Joint Statistical Meeting in Miami Beach, Florida. Professor Wu is a long term ICSA member. He is a Fellow of Institute of Mathematical Statistics, the American Statistical Association, Institute for Operations Research and Management Sciences, and American Society for Quality. He received COPSS Presidents’ Award, ICSA Distinguished Achievement Award and is an elected member of the National Academy of Engineering.

Congratulations, Jeff, for another well deserved honor!
Looking Back

Early Days of ICSA and Statistica Sinica

George Tiao, James Fu, Jia-Yeong Tsay, and Naitee Ting

Editorial: This article was based on the dinner banquet speech at the 2011 ICSA Applied Statistics Symposium at East Buffet, Flushing, NY, June 28. The presentation was given by George Tiao, with additional remarks by James Fu, and Jia-Yeong Tsay. The minutes was taken by Naitee Ting. The banquet speech was opened by Xiaoli Meng, then Dennis Lin introduced Professor George Tiao. After the main presentation by Professor Tiao, James Fu and Jia-Yeong Tsay followed with additional historical events of the early days of ICSA.

EVERYTHING started from the basement at Professor Tiao’s house in Wisconsin back in the 1960’s. In those years, various universities began to establish statistical departments. These departments recruited professors to research and teach various statistical topics, and enrolled graduate students into the field of statistics. Many Chinese students joined these statistical departments. Over the years, a large number of these graduate students received their degrees, and many of them began their careers as statistical professors. The growing demand of the statistical profession can be found across academia, industry, business, and government. A large variety of organizations and institutions attracted more young talents into this area of study.

The Department of Statistics at the University of Wisconsin, Madison was established by Professor George Box in 1960. After receiving his Ph.D. in Economics from the University of Wisconsin in 1962, Professor Tiao joined the new Department of Statistics as an Assistant Professor. From time to time, he welcomed students and faculty members to his home. The idea of forming an organization of Chinese statisticians came from the Thanksgiving dinners started in 1967 after he bought a house. Then in 1969, the Chinese statistical faculty and students at Wisconsin established the Chinese Statistical Society in US (CSS), and published a Directory of Chinese Statisticians in October, 1970. The CSS turned out to be the earliest organization, and over the years, it evolved to be the ICSA today.

Figure 1: Evolvement of the ICSA Bulletin.

Figure 2: Stem plot of composition of CSSA members, 1970.

Starting in the early 1970’s, Chinese statisticians got together during the Joint Statistical Meetings (JSM, annual meeting of American Statistical Association) for dinner on Wednesday evening. The first was organized by Hubert Chen in St. Louis attended by about a dozen people. This evolves to be another tradition of CSS, (and now ICSA). For
example, in the 2011 JSM (Miami, FL), close to 150 participants went to the ICSA Wednesday dinner banquet.

Over the years, CSS grew bigger, better, and stronger. Members decided to change the name of the organization into Chinese Statistical Association in America (CSAA) in the early 1980’s. Throughout most of these years in the 60’s, 70’s, and 80’s, most of the operations of the association were performed by faculty members and students from the University of Wisconsin. In the 70’s the annual Wednesday dinner at JSM expanded to include a late afternoon membership meeting in a meeting room provided by the ASA followed by the dinner.

The next major change of this association started in 1986. During the 1986 JSM in Chicago, there were two major developments —

1. In the afternoon membership meeting, Jia-Yeong Tsay proposed to establish a formal organization for Chinese statisticians. Based on this proposal, George Tiao, Jia-Yeong Tsay, Grace Yang, Jack Lee and Jeff Wu were elected to form a Task Force Committee to establish our new official organization. Jia-Yeong was given a task and worked with Grace Yang and Gordon Lan to draft a charter for this new organization.

2. At the Wednesday Banquet, James Fu discussed with Professor Tiao about a very well thought-out plan to establish a high quality statistical journal.

After the 1986 meeting, a new Chinese statistical organization as well as the constitution and by-law were prepared and sent to all of the CSAA members for voting. The returned ballots indicate 113 voted for the new organization, and 3 voted against.

During a meeting on May 2, 1987 at the University of Chicago, it was decided that a new statistical journal will be launched, jointly sponsored by the Institute of Statistical Science, Academia Sinica, Taipei, and this proposed new Chinese statistical organization in North America.

One of the most important meetings in the history of Chinese statistical organizations took place at the 1987 JSM in San Francisco. Membership meeting started at 5 PM, August 19th, in the Hilton Hotel. There were about 150 participants. The Meeting Chairman, LJ Wei, reported the voting results from the 1986 proposal — members approved to establish a new organization. The name of this new organization was International Chinese Statistical Association — ICSA. The two candidates for first president of ICSA were Professor George Tiao, and Professor Grace Yang. Members then voted Professor Tiao to serve as the first President of ICSA. They next voted Professor James Fu to be the President-Elect. After the presidential vote, members voted the first Board — directors include Jia-Yeong Tsay, Gordon Lan, Stephen Hu, Chiao Yeh, C. Jack Lee, C Thomas Hsiang, L.J. Wei, C.F. Jeff Wu, Potter C Chang, Chien-Pai Han, Grace Yang, YL Tong, and Mao-Sung Chi.

The first ICSA Board meeting took place after the membership meeting was over. In the board meeting, Professor Fu first reported the progress of this new journal. The Board then appointed Jia-Yeong Tsay to register ICSA as a non-profit organization in US; Shun-Yi Chen to serve as the first Secretary; then Smiley Cheng would take over this position the following year; Potter Chang and Jack Lee would co-chair the membership committee; Thomas Hsiang and Chiao Yeh would co-chair the fund raising committee; Stephen Hu and LJ Wei would co-chair the nomination committee and C.P. Han would organize the 1988 membership meeting and banquet at the New Orleans JSM.
During these early years of ICSA, most of the voluntary works were performed by faculty members and graduate students from the University of Wisconsin. One example can be found from the list of names above — George Tiao, L.J. Wei, Jeff Wu, Mao-Sung Chi, and Shun-Yi Chen were all from Wisconsin. In addition to these people, many more volunteers supported CSS, CSAA, and ICSA were from the University of Wisconsin. On behalf of our organization, we would like to express our sincere appreciation to all of these volunteers.

As mentioned in his article published on the 1989 ICSA bulletin, Jia-Yeong Tsay laid out the process of registration ICSA as a non-profit organization in the US. First he expressed his appreciation to Grace Yang and Gordon Lan for their painstaking collaboration in drafting the constitution and by-laws of ICSA and to George Tiao for his insightful suggestions in the process. Next he described the effort to get ICSA incorporated in Delaware. One interesting point was that when he received the Certificate of Incorporation of ICSA, the notice indicates that ICSA was certified on “The Eighth Day of August, A.D. 1988, at 9 o’clock A.M.” This was under daylight savings time. If it were under the standard time, then the certification happened (Chinese expression of time) at the 88th year, 8th month, 8th day, and 8th hour. In Cantonese pronunciation, eight sounds like prosperous. Hence ICSA was certified in Delaware in the most prosperous moment within the 20th century!

After ICSA was incorporated in Delaware, Jia-Yeong continued to apply for the non-profit status through IRS under the federal law. This process was more difficult than the certification process. Finally, ICSA received the Tax-exempt Status. Under this status (tax code 501(c)3), donors were eligible to receive federal tax deduction for their donations to ICSA. Finally, Jia-Yeong thanked the volunteer attorney — Margaret T. Chao for her tireless support to help ICSA both in certification and in obtaining the tax-exempt status.

Today, there are three regular publications of ICSA — Statistica Sinica, Statistics in Biosciences, and the ICSA Bulletin. Each year, two issues of ICSA Bulletin are published since the establishment of ICSA. The applied journal Statistics in Biosciences is relatively new, with the first issue published in 2009. However the well-established ICSA journal — Statistica Sinica, has been in place for over 20 years.

Based on the joint effort between ICSA and Academia Sinica, the first issue of Statistica Sinica was published in Jan. 1991. The editors and associate editors of the first issue were

Editors: George Tiao (Chief editor) , M.T. Chao, J.C. Fu, T.L. Lai, L.J. Wei, C.F.J. Wu.

Consulting Editor: J. Gurland


Managing Editors: S.W. Cheng, G. D. Lin

Currently with four issues each year, Statistica Sinica is one of the most successful journals in the field of statistics.

In 1990, Jia-Yeong started the first Applied Statistics Symposium in Bethesda, MD, when he was the ICSA President of that year. It was a one-day symposium held at the NIH facilities. Over 80 members participated in this Saturday symposium. Participants used their weekends and paid registrations out of their own pockets. In 1992, Shein-Chung Chow (another U Wisconsin graduate) chaired the second Applied Statistics Symposium, and from then on, this annual event evolves to be the flagship meeting of ICSA.
At present, there are also three regular ICSA activities — two annual events take place in North America and one international conference every three years in Asia. The two annual events are the ICSA Applied Statistics Symposium, and the Wednesday membership meeting as well as banquet during each JSM. The international conferences started in 1990 and continued every three years

• The first International Statistics conference was held at the Chinese University of Hong Kong, Hong Kong, Dec. 15–17, 1990. Professor Y.S. Lee was the local organizer.

• The second International Statistics Conference was held jointly with Institute of Statistical Sciences, Academia Sinica, Taipei. Taiwan Dec. 16–19, 1993. Professor M.T. Chao was local organizer.

• The third conference was held in Beijing, Aug. 17–20, 1995. Professor S.Y. Feng, Academia Sinica, Beijing, China was the local organizer.

In June, 2011, ICSA members celebrated the twentieth Applied Statistics Symposium at the New York City. Since the first symposium in 1990, there were two years without symposium — 1991, and 2003 (because of SARS). Hence the 2011 symposium was the 20th symposium. This turned out to be a huge success — over 600 members/non-members participated in over 110 sessions of scientific presentations. On behalf of ICSA, we would like to extend our sincere appreciation to all those volunteers who made the 2011 symposium successful.

George Tiao
W. Allen Wallis Professor of Econometrics and Statistics (emeritus)
University of Chicago.

James Fu
Professor Emeritus
Department of Statistics
University of Manitoba

Jia-Yeong Tsay
Retired from Executive Director
Organon USA Inc.

Naitee Ting
Boehringer-Ingelheim
Chair, Archive Committee, ICSA

The Advanced Analytics Hub at Eli Lilly

Stephen J. Ruberg and Haoda Fu

Overview

The Global Statistical Sciences (GSS) Department at Eli Lilly has been in existence for many years and provides statistical consulting to every aspect of drug development from discovery research through clinical development and manufacturing. It is a large global organization of approximately 250 statisticians working in North America, Europe, Japan, Australia, Singapore and China. In 2009, the GSS leadership undertook a multi-faceted strategic planning exercise in order to refresh our future goals and value proposition to the company and the patients who use our medicines. During that exercise, senior members of the function reviewed our expertise and capabilities, assessed gaps and emerging trends, and evaluated the regulatory and technology environment. One key outcome was an alignment on technical capabilities or statistical methodologies that met several criteria:

• They were being more enabled by the advent of computer technology/tools;
They were enabled by new, useful advances in statistical research;

They were being given greater consideration by regulatory agencies;

They were increasing in relevance because of pressures on drug development efficiency.

The statistical areas were adaptive designs, tailoring analytics, Bayesian statistics, missing data, data mining, and modeling and simulation. In subsequent paragraphs, each of these will be explained in more detail. Now, to be sure, there were statisticians in GSS who had technical expertise in these areas, and who were applying their expertise to their projects. Of course, as with any such large technical function, there were various forums to share knowledge and experiences so that new statistical methodologies or applications would become useful to statisticians in other regions or on other compounds/therapeutic areas. The GSS leadership made the strategic decision to pull some statistical personnel from their specific compound development projects and dedicate them to advancing these topic areas in a very focused and deliberate way. The rationale was that the GSS function was making progress in these areas, but the progress was uneven, slow and at times interrupted when key statisticians were occupied with their compound development work. So, the decision was made to dedicate a small group of experts on each topic to making consistent and broad advances across the entire function and the company itself. Thus, was born the Advanced Analytics Hub within the GSS function. Initially, the Hub consisted of 14 people with 2–4 people assigned to each topic area, consisting of PhD Project Statisticians and MS Computational Statistician. While each of these areas has some distinct aspects, there are certainly synergies between these areas (e.g. Bayesian adaptive clinical trial designs).

The work of the Hub falls into several general categories: consulting with teams/projects, developing new methodologies and applications, creating tools to make use/implementation of the methods easier, training statisticians on related technical matters and non-statisticians on concepts, and participating in the external environment. The following is a brief description of each topic area.

Specific Areas of Focus in the Advanced Analytics Hub

The work on adaptive designs was immediately renamed to Clinical Trial Optimization (CT Opt) since the focus is on optimizing all clinical trials, not just advancing the implementation of adaptive trials. A major focus area was indeed adaptive trials, and this effort includes a virtual team that includes data sciences, IT, clinical supplies and regulatory since the implementation of adaptive trials goes well beyond statistical considerations. To date, the CT Opt group has worked with teams to implement adaptive designs on trials in Phase 1 through Phase 3, as well as improve a wide variety of fixed designs in order to help teams meet their trial objectives. A centerpiece of the organization is some sophisticated simulation engines that run virtual clinical trials. The simulations can take into account many factors of a clinical trial besides statistical design and analysis options, but also trial execution options (e.g. enrollment rate, drop-out rate) (Gaydos et al., 2009). Many teams are using the consulting services of CT Opt, and many statisticians are being trained on statistical methods and simulation tools to apply to their projects independently.

Tailoring Analytics is a name that we have used to describe a variety of design and analysis methods to facilitate the development of tailored therapeutics. When biomarkers that induce differential treatment effects are known in advance, this group collaborates with CT Opt on enrichment designs, adaptive biomarker designs and more. When biomarkers are not known in advance, we like to use the phrase “finding the right patient,” and we have worked on novel statistical methodologies for what we call subgroup identification. The approaches we take are closely related to data mining and generally use recursive partitioning techniques with the added feature of controlling false positive findings (Ruberg et al., 2010; Lipkovich et al., 2011; Foster et al., 2011). We believe that defining a reproducible statistical approach that searches across many potential biomarkers, but adequately control the Type I error is a viable post hoc approach for finding subgroups of interest. This group also works closely with our pharmacogenomics function and the diagnostics group. We are seeking to routinely apply these methods to all major Phase 2 and Phase 3 trials.

Bayesian statistics is a broad branch of statistical theory and methods that can be applied in many
situations. Such approaches have not been generally accepted by regulatory agencies for confirmatory Phase 3 trials, but there are opportunities for pharmaceutical companies to use such methods for internal decision-making. Instead of traditional power calculations for clinical trials, we are more routinely using Bayesian methods to assess the probability of study success or assurance (Chuang-Stein, 2006). We are also defining critical success factors for our Phase 1 and Phase 2 trials in terms of posterior probabilities of success. For example, if CM represents a clinically meaningful effect of a drug, then a critical success factor might be expressed in the general form

$$\Pr[(\text{experimental drug effect} - \text{control treatment effect}) > \text{CM}] > p$$

where $p$ is the level of certainty that the pharmaceutical company wants in their decision to move forward with a compound. One other example is the use of Bayesian hierarchical models to do meta-analysis for making indirect comparisons among treatments that may not have been compared directly in head to head trials. This is useful for understanding how an experimental drug compares to those that are already on the market. We are using or investigating Bayesian methods for safety signal detection, observational trials and more.

We are investing in new methodologies for missing data for clinical trials according to the recently published recommendations from the National Academy of Sciences (Panel on Handling Missing Data in Clinical Trials; National Research Council, 2010). That report emphasized preventing missing data in clinical trials as well as analysis methodologies when missing data does occur. When it comes to analysis, the group is working to create new software tools to help automate analyses based on differing assumptions about the nature of the missing data. When it comes to prevention, our group is working with data management and clinical trial operations on new data collection and monitoring approaches to minimize missing data.

Our Data Mining group is using a broad range of methods to explore various data sources within Eli Lilly in order to find patterns, trends or other meaningful information. We are routinely using data mining approaches for our clinical trial data as we pool data across many trials. We investigate placebo response, effect size and variability of important clinical response variables, variation in response across geographic regions, just to name a few important areas. The data mining group also gets involved with analyzing sales and marketing data, healthcare transaction data and other commercial areas. Of particular note is our effort on text mining, which can be applied to many areas. The vast majority of human information is captured in text, and we are using sophisticated text mining approaches to analyze customer response data, patient survey data and patent databases.

Modeling and simulation is a group that collaborates across many functional areas and on many problems. This group is focused much more on mathematical models rather than statistical or pharmacokinetic modeling that are done in many situations. For example, we are using discrete event simulation for modeling certain areas of discovery research and, in another project, using systems of differential equations for modeling drug dissolution and absorption in formulation development. The group is getting more engaged in areas outside R&D such as inventory modeling for manufacturing and distribution.

One Statistician’s Experience — Haoda Fu, Senior Research Scientist

Steve has provided an introduction to Global Statistical Sciences at Eli Lilly as well as our Advanced Analytic Hub. I am working in the Hub with 50% of my time allocated to working on the Bayesian expert team. It is a very exciting opportunity, and I would like to share my experiences here.

As a scientist, I enjoy solving problems. I especially feel fulfillment when I solve a problem that really matters to our customers/patients or to our business success. More than two hundreds statisticians who work in different therapeutics areas and business units bring their challenging problems to us. Our challenge is to take those problems and understand what data/analysis/information needs are required to solve such problems. Since there are many such opportunities, we can make choices about which problems will make the most impact on our business. Problem solving generally happens in a collaborative environment, involving other statisticians, physicians and scientists in health economics, epidemiology, pharmacokinetics/pharmacodynamics. After problems are solved, I can clearly see how the solutions help the business and benefit the patients. Through the past 2 years, I am convinced that great research comes from great problems, and great problems.
come from the real world. If I did not have the experience working in the Hub and being exposed to real challenges, I cannot imagine that I would have thought to solve some of these important problems. All of this makes me feel that my statistical research is having a substantial impact on our business and a meaningful contribution to the health and well-being of people around the world.

My responsibility in the Hub has enriched my statistical knowledge and expanded my network for collaboration. It is my privilege to work in the Hub and have an access to so many excellent problems that can be addressed by statistical science. In some cases, I do not have solutions for a problem, which motivates me to keep learning different statistical methods. We also actively collaborate with external thought leaders, such as university professors. They enjoy discussing our problems and are motivated by our real scientific needs. Many of these problems have become their students’ Ph.D. theses, or they incorporate them into their research proposals. During the past 2 years, I feel that my knowledge is growing, and my network is expanding.

These responsibilities and the feeling of growth make me really enjoy my work. As a statistician, I cannot think of anywhere else I can make such impact on patients’ lives, which makes me continue to believe in our mission to make medicines that improve individual patient outcomes.

**Bibliography**


**Turn Research into Fun, and Vice Versa**

*Yihui Xie*

I really appreciate the opportunity offered by our editor Jun Yan asking me to write a short article on the R language. I thought for a while, and decided not to write it in a technical manner. I want to summarize what I have done in my 7 years of using R, and I hope my experience can be helpful to the student readers of this bulletin.

Currently I’m a third year PhD student in the Department of Statistics, Iowa State University. My research interest is data visualization and dynamic/interactive statistical graphics, and I use R extensively in my daily work. The progression of...
The animation Package

The animation package[^1] was my first R package, and I started it in 2007 while I was in Renmin University of China, two years before I came to the US. The idea of this package was fairly simple – I realized some topics in statistics could be visualized via animations, and how can we make animations in R? My answer was just to draw plots one by one, with a short pause between them (see the function `Sys.sleep()`). It is apparently a naive and inefficient approach, but that’s it. I did the Brownian motion first (with points moving on the plot randomly), and it was fun. Then I moved to other topics which had more statistical flavor, for example, the Central Limit Theorem, the Newton–Raphson method, Galton’s Box and k-Means clustering, etc. I showed statistical methods and algorithms step by step to help other people understand them. Although my implementation sounds clumsy from the perspective of computer science, these animations opened many doors to me later. Having worked as a web administrator for 3 years, I made a website based on them so people can view these animations online without really calling my functions in R.

About 3 months later, someone noticed my package and website (a few months later I realized it was Hadley Wickham, who is now a famous author of many R packages including `ggplot2`), and he pointed my website to his advisor. Guess who was this advisor? She is my current advisor, Dr Di Cook. She emailed me in January 2008, and the connection was established by that time. In June 2008 I got a chance to attend a workshop on data visualization in Germany, and it was my first time going out of China. The reason that I was accepted to the workshop was because of the animation package. At the workshop I talked to Di and other great people in the area of data visualization. Long story short, I came to Iowa State in Fall 2009. By the way, in August 2008 I went to Germany again to attend the useR! conference to talk about this package.

So a naive idea can help, as long as you feel there is fun, and pursue the fun till it has more scientific flavor (i.e. you can publish something out of it). The question is, how to turn fun into research? For the animation package, the accumulation of examples and demos as time goes by made me think how these animations could be related to different aspects of statistics. For instance, some are about random numbers and simulations, and some are about sampling and resampling, etc. The classification of these animations gives me a clearer view of what role animations can play in statistics to help people understand our methods and theories. A short article on this package was published in R News in 2008, and I also have another longer paper submitted to the Journal of Statistical Software early this year.

Another door that opened to me was the John Chambers Award (Statistical Computing Section, ASA), which I think is probably worth (shamelessly) mentioning here. I won this award in 2009 due to the animation package, and it enabled me to go to JSM in DC. In the summer of 2009, I flew from Beijing to DC, then went to Iowa State as a new graduate student. This sounds too good to be true, but yes, everything started from that stupid animation of the Brownian motion, with points moving stupidly in an R plot window.

When I was walking through some posters at JSM (2011 Miami), I saw a few of them used the animation package to illustrate data in dynamic processes, and of course I felt very happy about this.

The fun Package

People may feel that I’m not a serious statistician because I always look for funny things to work on. The animation package was fun, but actually I wrote a package which was really named fun with two other authors[^2]. You can play some classical games in R with this package, such as the mine sweeper. It may sound surprising to many R users, but the implementation is not that hard (go check the source code).

What is the point of this almost obviously meaningless package? Well, I always believe fun can be intertwined with research. Take the function `alzheimer_test()` for example: it sounds like a joke, because statisticians should do t-test instead of something called Alzheimer test. This function prints a character block on the screen which consist of one character but there is another character hidden in the block, e.g.,

```
999999999999999999999999999999
999999999999999999999999999999
999999999999999999999999999999
999999999999999999999999999999
999999999999999999999999999999
```

[^1]: [http://cran.r-project.org/package=animation](http://cran.r-project.org/package=animation)
[^2]: [http://cran.r-project.org/package=fun](http://cran.r-project.org/package=fun)
The goal of this game is to find out where is the different character (to show you are not too old and slow). There is actually a deeper thought behind it: when making scatter plots, some people do not pay enough attention to the choice of point symbols to denote different groups, which makes the plot really difficult to read, because different groups of points cannot stand out clearly. Imagine a scatter plot in which there are two groups and you use the symbols ‘6’ and ‘9’. The principle is you should choose symbols carefully to make them as distinct as possible (e.g. ‘+’ and ‘o’ can be a good choice). This is another example of possibly turning fun into research.

The formatR package

I hate R code without spaces and proper indentation, but I’m lazy on the other hand, therefore I wrote the formatR package (http://cran.r-project.org/package=formatR), which can reformat R code automatically, no matter how ugly it looks originally. It is not much fun by itself, but I found an interesting place to use it soon – Sweave. For those who are not familiar with Sweave, the idea is to mix program code and text together in an input document, and Sweave can execute the code and put the corresponding results into the output document (this idea came a long way from literate programming).

One thing that I really dislike about many books on R is the poor quality of R code (I mean the poor format). I understand the authors may not want to type spaces and indentation, and are lazy like me. The formatR package can play a helpful role in Sweave to reformat the source code so that even if you are lazy, your code in the output can still look nice. I did not get a chance to make it into the official Sweave, but I found the pgsSweave package, which is an add-on package based on Sweave, and formatR was successfully applied in it. This is not the end of the story, because I found the design of Sweave tied my hands, and I re-invented the wheel.

The knitr Package

As mentioned before, Sweave can be used to write statistical reports dynamically; you no longer need to copy and paste results — all you maintain is the source code, and you just run the code to get a report. Sweave has many limitations, for example, normally you can only get one plot per chunk of code (yes you can hack at it to get more than one). As a student working on graphics, this is a serious limitation, since it is often the case that I have multiple plots per code chunk. The knitr package (http://yihui.github.com/knitr/) was motivated from my daily use of Sweave, but it gives users much more flexibility to control the output. The formatR package serves as a tool to reformat R code in this package, which makes it fun for me to write statistical reports.

A closely related topic is the reproducible research (RR), and Roger Peng has been talking about it frequently. As he said, this is a hard topic. Ideally all scientific research should be reproducible, and Sweave has made a significant progress to RR because people do not need to copy and paste when doing data analysis (CTRL+C and CTRL+V are barely reproducible!). RR is hard both technically and practically. Currently I do not have a voice loud enough to persuade people thinking about RR, but I can do something for the technical part of the difficulty. The knitr package has a completely different design with Sweave, and I think very hard on RR when I was writing this package. For example, Sweave uses environment variables, and I believe this is a disaster to RR, because environment variables can be specific to an operating system; a report may not be reproducible in a different computer because of different environment variables.

What I discussed here is only a tiny detail in this package. My point is we should not underestimate the importance of software packages, and neither should we use R functions blindly. As a statistician, have you ever thought of a possible fact that your results are confounded by environment variables?

Conclusions

In this article, I introduced four of my R packages, in all of which I believe there is lots of fun. I have another package named cranvas under development, and it will probably become the main topic of my PhD thesis (dynamic and interactive graphics). I have enjoyed the development so far, and it is interesting to see how people worked in this area
in the 70’s and 80’s. Perhaps it is because I’m not good at math; I like things that are visually appealing, no matter it is an interesting plot (animation), or a clean chunk of code (formatR), or a beautifully formatted statistical report (knitr). To me, it does not matter which area you work in — the really important thing is to be able to find fun out of research (otherwise you get bored and lose motivation), and turn fun into research as well (you have to survive after all).

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Researcher Portals

Rob J. Hyndman

Editorial: Google launched “Google Scholar Citations” in November, 2011, a research portal that attempts to list all publications of a researcher. Professor Rob J. Hyndman shares his experience on researcher portals in a blog published on November 26th, 2011, which, with his permission, is republished here. The original post is at http://robjhyndman.com/researchtips/portals/ More interesting blogs from Hyndman are at http://robjhyndman.com/

A researcher portal is a website that attempts to list all the publications of a given researcher. Some portals also allow sharing papers, interacting with other researchers, calculating citation statistics, etc. Every researcher wants their work read and cited, so these websites can be useful tools for getting your work noticed. They can also function as a de facto home page if you don’t already have a personal website. Conversely, they can be a good way to find new work by researchers in your field. However, unless a site provides a relatively complete list of your publications, and covers a large proportion of the research community in your discipline, it is of limited value.

Lately, there seems to have been a lot of activity going on with various portal sites trying to get researchers to sign up for their service. Just this week I’ve had three different services wanting me to sign up. So I thought it was timely to review the various options. I’ll start with the two best options.

Google Scholar Citations

This week, “Google Scholar Citations” (http://scholar.google.com/citations) was publicly launched. Google Scholar itself is an incredible resource covering journal articles, working papers, books, and almost everything else a scholar might cite. Google Scholar Citations is a place where all the outputs from a researcher are listed. It provides a way of listing your publications, tracking citations to your publications, computing citation metrics, etc. There is very little work in setting up a profile. When I did it, Google had automatically identified all my publications. Nothing seemed to have been missed, and it even listed one paper I had forgotten I had written!

To see the profile of an existing researcher, just search for their name on Google Scholar. If they have made their profile public, it will appear in the search results. Some examples are Andrew Gelman (http://scholar.google.com/citations?user=SEDguuoAAAAJ&hl=en) and Scott Armstrong (http://scholar.google.com/citations?user=XG9ZedQAAAAJ&hl=en). My profile (http://scholar.google.com/citations?user=vamErfkAAAAJ&hl=en) is also there.

To set up your profile, go to http://scholar.google.com/citations. You may have to do some editing of the results to merge versions of the same publication, or to correct some errors in the database. I have 142 publications listed and it took me about 10 minutes to go through and make sure they were all correct.

Hopefully, Google will use the information provided by these edits to correct their Google Scholar database, although that isn’t happening yet.

Mendeley

If you use Mendeley, you will already have an online Mendeley profile listing all the publications in your “My Publications” collection. My page is here (http://www.mendeley.com/
Whenever you write a new paper, or have a paper accepted in a journal, just update the details in Mendeley, make sure the paper is in your “My Publications” collection and your profile is automatically updated.

With Mendeley, you have to add every output yourself, whereas Google Scholar finds and adds outputs for you. But if you use Mendeley anyway, this is no extra work. I use Mendeley as the back-end to my CV (it generates the bib file that is used in my CV) so the Mendeley profile is a side-benefit rather than representing additional work. Mendeley lists 152 publications for me — it includes a few biblical writings that haven’t made it onto Google Scholar.

A nice feature of Mendeley is that it allows you to share pdfs of your papers.

Mendeley does not track citations like Google Scholar, but it does provide some excellent facilities for collaboration. You can share papers with your contacts, and set up groups to allow for research collaboration and discussion.

All the rest

There are several other sites attempting to provide similar services, but none of them come close to Mendeley or Google Scholar Citations in useful features and usability. I’ve set up profiles on all of them, just to see how they work.

- ResearcherID: lists 81 of my publications. This is one of the oldest options and I set up my profile a couple of years ago, and now can’t remember how much work it was. It misses my books, R packages, working papers and book chapters, but has most of my journal articles. Links to online versions of the papers are provided. OK, but limited compared to Mendeley and Google Scholar Citations.

- Microsoft Academic Search: links 105 of my papers. This is Microsoft’s answer to Google Scholar. The database looks like it might be cleaner than Google Scholar, but a lot of citations are missed and my exponential smoothing monograph is nowhere to be seen. Also, working papers are missing.

- ResearchGate: lists 74 of my publications, lists the “Journal of Epidemiology” as my top journal (where I have two papers) instead of the IJF (where I have 17 papers), and requires me to upload all my papers manually. No thanks.

- Academia.edu: lists 58 of my papers and couldn’t find any more when I searched. So I would have to add the rest manually. Very limited information about any paper available. Why are they still in business?

- iamResearcher: lists 45 of my publications, barely 1/3 of what I have on Mendeley and nothing from 2011 except for the MComp package for R. It also lists a working paper from 2010 which never existed, with a list of coauthors who have never written a paper with me. With a name like “iamResearcher”, I should have expected this.

Recommendations

1. Ignore the emails from ResearcherID, ResearchGate, Academia.edu and iamResearcher. Just hit delete. Microsoft doesn’t really promote their site, so they don’t send emails to annoy us.

2. Set up a page on Google Scholar Citations. It’s not much work and makes your work more visible. It also allows you to track citations which are useful if you apply for promotion.

3. Use Mendeley and put all your own publications in the “My Publications” collection. Then spend 10 minutes editing your Mendeley profile so it gives a little more information about you.

4. If you don’t have a personal website, use your Mendeley profile as your personal home page.

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2012 ICSA Applied Statistics Symposium

The 2012 ICSA Applied Statistics Symposium will offer seven exciting short courses covering a variety of important areas including (1) Adaptive Clinical Trials (Sue-Jane Wang, FDA & Cyrus Mehta, Cytel and Harvard), (2) Causal Inference (James Robin, Harvard), (3) Analysis of Biomarker for Prediction (Patrick Heagerty, University of Washington), (4) Statistical Learning (Hao Helen Zhang, North Carolina State University), (5) Bayesian Clinical Trial Design (Peter Thall, M. D. Anderson), (6) Comparative Effectiveness Research (Constantine Gatsonis, Brown, and Sharon Lise Normand, Harvard), and (7) Analyses of Next Generation Sequence Studies (Xihong Lin, Harvard).

Regulatory Experiences versus Consulting Experiences in Planning and Implementing Adaptive Clinical Trials

Part I: Sue-Jane Wang, Ph.D. (US FDA)
Part II: Cyrus Mehta, Ph.D. (Cytel and Harvard)

Abstract This two-part workshop will illustrate many of the regulatory issues that are specific to adaptive designs for exploratory and confirmatory trials through theoretical and guidance discussions, case studies and software. In Part 1, Dr. Wang will cover relevant portions of the recently released FDA Draft Guidance on Adaptive Designed Clinical Trials. Related statistical methods with regulatory consideration, e.g., probability of correct selection, control of type I error and type II error, bias, parameter estimation and multiplicity issues will be presented. Some regulatory experiences on sound versus unsound submissions with two-stage adaptive selection including the possibility to also reassess sample size or event will be rationalized. In Part 2, Dr. Mehta will present case studies of confirmatory trials with dose selection, event adaptation and sample size adaptation that went through the regulatory review process and were subsequently activated. The key components of a successful review will be illustrated through these case studies. They include the motivation for adaptation, the statistical methodology for strong control of type-1 error, simulation results, supporting software, and the processes used to manage trial logistics and avoid operational bias.

About the Instructors Dr. Sue-Jane Wang is Office Associate Director for Pharmacogenomics and Adaptive Design in the Office of Biostatistics, Office of Translational Sciences, CDER, U.S. FDA. In her current role, the Office provides services for all medical divisions of drug products in CDER on adaptive design and biomarker associated pharmacogenomics clinical trials. Dr. Wang is a co-author of over 90 papers and book chapters in statistical, clinical, genetic, bioinformatics, and pharmacogenomics literature. She has made major contributions to regulatory reviews in these areas. Dr. Wang received FDA/CDER Excellence in Communication Award among others and was recently awarded the FDA level Scientific Achievement Individual Awards in recognition of her sustained record of published regulatory research in statistical design and methodology advancing complex and emerging clinical trial designs and analysis that support regulatory guidance, policies and review. She has presented over 200 invited talks, discussion, and short courses based on her research including non-inferiority, multi-regional clinical trials. She is an elected member of the International Statistical Institute. She has served as an Editor-in-Chief for Pharmaceutical Statistics, and is an Associate Editor for Statistics in Medicine and Statistics in Biosciences. Dr. Wang is conference co-chair for MCP 2011 conference.

Dr. Cyrus Mehta was born in Bombay, India. He studied engineering at the Indian Institute of Technology, Bombay and obtained his Ph.D. from MIT in 1973. Dr. Mehta is President and co-founder of Cytel Corporation and Adjunct Professor of Biostatistics, Harvard University. Cytel is a leading provider of software and services for the design, interim monitoring and implementation of adaptive clinical trials. Dr. Mehta consults extensively with the biopharmaceutical industry on group sequential and adaptive design, offers workshops on these topics, and sits on several data monitoring committees for these types of clinical trials. He has led the development of the StatXact, LogXact and East software packages that are widely used in the biopharmaceutical industry and at academic re-
search centers. He publishes his methodological research results in leading statistics journals and is a past co-winner of the George W. Snedecor Award from the American Statistical Association for the best paper in biometry. He was elected a Fellow of the American Statistical Association in 1995 and named the Mosteller Statistician of the Year by the Massachusetts Chapter of the American Statistical Association in 2000. In 2002, Dr. Mehta was named Outstanding Zoroastrian Entrepreneur by the World Zoroastrian Chamber of Commerce.

Causal Inference from Observational and Randomized Studies with Treatments that Vary over Time

James Robin (Harvard University)

Abstract This course covers statistical methods for drawing causal inferences from observational studies and randomized trials. Methods for the analysis of the causal effects of time-varying exposures in the presence of time dependent covariates that are simultaneously confounders and intermediate variables will be emphasized. These methods include g-estimation of structural nested models, inverse probability weighted estimators of marginal structural models, and g-computation algorithm estimators. Substantive examples from the literature will be used as motivation. In the process informal epidemiologic concepts such as confounding, direct and indirect effects, intermediate variables, and selection bias will be given formal definitions within the context of a counterfactual causal model. Graphical approaches based on causal directed acyclic graphs (DAGs) will be discussed.

About the Instructor Dr. James Robins is the Mitchell L. and Robin LaFoley Dong Professor of Epidemiology and professor of biostatistics at Harvard University. He is a world-renowned expert in causal inferences. He has made fundamental contributions to developing statistical methods for making causal inference from complex observational and randomized studies with time-varying exposures or treatments.

Analysis of Biomarkers for Prognosis and Response Prediction

Patrick J. Heagerty (University of Washington)

Abstract Longitudinal studies allow investigators to correlate changes in time-dependent exposures or biomarkers with subsequent health outcomes. The use of baseline or time-dependent markers to predict a subsequent change in clinical status such as transition to a diseased state require the formulation of appropriate classification and prediction error concepts. Similarly, the evaluation of markers that could be used to guide treatment require specification of operating characteristics associated with use of the marker.

The first part of this course will introduce predictive accuracy concepts that allow evaluation of time-dependent sensitivity and specificity for prognosis of a subsequent event time. We will overview options that are appropriate for both baseline markers and for longitudinal markers. Methods will be illustrated using examples from HIV and cancer research and will highlight R packages that are currently available.

The second part of this course will introduce statistical methods that can characterize the performance of a biomarker toward accurately guiding treatment choice, and toward improving health outcomes when the marker is used to selectively target treatment. Examples will include use of imaging information to guide surgical treatment, and use of genetic markers to select subjects for treatment.

About the Instructor Dr. Patrick Heagerty is a Professor and Associate Chair of Biostatistics at the University of Washington. He has been the director of the center for biomedical studies at the University of Washington School of Medicine and Public. He is one of the leading experts on design and analysis of biomarker studies and longitudinal studies. He has made significant contributions to many areas of research including semiparametric regression and estimating equations, marginal models and random effects models for longitudinal data, dependence modeling for categorical time series, and Hierarchical models for categorical spatial data. He is an elected fellow of the American Statistical Association and the Institute of Mathematical Statistics.
Statistical Machine Learning In Modern Data Analysis

Hao Helen Zhang (North Carolina State University)

Abstract The half-day course provides an overview of statistical machine learning and data mining techniques commonly used in modern statistical data analysis. Massive and high-dimensional data encountered in today’s scientific research demand more powerful and sophisticated learning methods for information extraction and statistical inferences. This course covers a broad range of successful methodologies and tools used for regression, classification, and variable/model selection. These topics include support vector machines, multicategory SVMs, kernel methods, shrinkage estimation, GAMS and smoothing splines, function estimation and model selection, and COSSO. For each method, we introduce its basic learning principles, statistical properties, computational issues, and major applications. In particular, we discuss their extension to data with complex or non-standard features, such that censored, longitudinal, and functional data. Interesting real-world examples from a wide range of applications will be presented as show cases.

About the Instructor Dr. Hao Helen Zhang is a faculty in Department of Statistics, North Carolina State University and Department of Mathematics, University of Arizona. She obtained her Ph.D. in 2002 from University of Wisconsin at Madison. Zhang has been conducting active research in non-parametric smoothing, data mining, variable selection, and high dimensional data analysis. She received the Faculty Early CAREER Development award from NSF in 2007. Currently, Zhang is the Associate Editor for JASA, Biometrics, and Statistical Analysis and Data Mining. She co-authored the book Principles and Theory for Data Mining and Machine Learning published in 2009 by Springer-Verlag.

Hybrid Bayesian Adaptive Clinical Trial Designs

Peter F. Thall (MD Anderson Cancer Research Center)

Abstract This one-day short course will cover a variety of hybrid Bayesian adaptive clinical trial designs. The course will include illustrations using actual clinical trials, although the designs and methods are broadly applicable. As time permits, topics will include (1) practical methods for eliciting and calibrating priors, and for using prior effective sample size and computer simulation as design tools; (2) phase I-II dose-finding designs based on elicited efficacy-toxicity trade-offs, and an elaboration incorporating patient covariates and historical data to implement patient-specific dose-finding; (3) a phase I design that jointly optimizes per-administration dose and schedule based on time-to-toxicity; (4) a family of phase I-II designs based on elicited utilities of bivariate ordinal (efficacy, toxicity) outcomes; (5) the use of outcome-adaptive randomization to improve performance in dose-finding; (6) a design for jointly optimizing the concentration and bolus of a drug delivered by continuous infusion; and (7) a phase II-III select-and-test design based on toxicity and relapse-free survival time that bases decisions on posterior probabilities of two dimensional parameter sets.

Attendees should have at least a Masters degree in statistics, or equivalent experience, and an understanding of elementary Bayesian concepts.

About the Instructor Dr. Peter F. Thall has pioneered the use of Bayesian methods in medical research. He has published over 160 research papers and book chapters in the statistical and medical literature, including numerous papers providing innovative methods for the design, conduct and analysis of clinical trials. Over the course of his career, he has designed over 300 clinical trials. He has presented 20 short courses and over 130 invited talks, and regularly provides statistical consultation for corporations in the pharmaceutical industry. He has served as an associate editor for the journals Statistics in Medicine, Journal of the National Cancer Institute, and Biometrics, currently is an associate editor for the journals Clinical Trials and Statistics in Biosciences, and is an American Statistical Association Media Expert. In 2004, Dr. Thall was awarded the Anise J. Sorrell Professorship at M. D. Anderson Cancer Center.
Comparative Effectiveness Research: Introduction for Statisticians

Constantine Gatsonis (Brown University)
Sharon-Lise Normand (Harvard School of Public Health & Harvard Medical School)

Abstract
Comparative Effectiveness Research (CER) is now a major initiative in the US, with wide ranging implications for both research and health care policy. The term CER is broadly used to refer to a body of research that generates and synthesizes evidence on the comparative benefits and harms of alternative methods to prevent, diagnose, treat, and monitor clinical conditions, or to improve the delivery of health care. The evidence from CER is intended to support clinical and policy decision making at both the individual and the population level. The mandate of CER places a premium on the study of outcomes that are of primary relevance to patients and on the derivation of conclusions that can inform individual patient choices.

The broad scope of CER requires a wide array of methodological approaches. CER research may include both randomized and observational primary studies as well as research synthesis. In this tutorial we provide an overview of the types of research questions addressed by CER and survey the main areas of statistical methodology that are currently in use. We also highlight limitations of current methods and discuss important open methodological problems for CER of diagnostic and therapeutic interventions.

About the Instructors
Dr. Constantine Gatsonis is Henry Ledyard Goddard University Professor of Biostatistics and Chair of the Department of Biostatistics at Brown. He joined the faculty 1995 and became the founding Director of the Center for Statistical Sciences. Dr. Gatsonis is a leading authority on the design and analysis of clinical trials of diagnostic and screening modalities and has extensive involvement in methodologic research in medical technology assessment and in health services and outcomes research. He is Group Statistician of the American College of Radiology Imaging Network (ACRIN), a NCI funded collaborative group conducting multi-center studies of diagnostic imaging and image-guided therapy for cancer. In his ACRIN work, Dr Gatsonis is the chief statistician of the Digital Mammography Imaging Screening Trial (a national study comparing digital to film mammography) and is also the chief statistician for ACRIN’s arm of the National Lung Screening Trial (NLST). Dr Gatsonis was the lead statistician of the International Breast MRI Consortium and of the Radiologic Diagnostic Oncology Group (RDOG).

Dr. Sharon-Lise Normand is a professor of health care policy (biostatistics) in the Department of Health Care Policy at Harvard Medical School and in the Department of Biostatistics at the Harvard School of Public Health. Dr. Normand’s research focuses on the development of statistical methods for health services research, primarily using Bayesian approaches to problem solving, including assessment of quality of care, methods for causal inference, provider profiling, meta-analysis, and latent variable modeling. She has developed a long line of research on methods for the analysis of patterns of treatment and quality of care for patients with cardiovascular disease and with mental disorders in particular. Since 2002, she has served as the director of Mass-DAC, the data-coordinating center responsible for collecting, analyzing, and reporting on the quality of care for adults discharged following a cardiac procedure from all hospitals in Massachusetts. She is also the senior statistician in a 3,000-patient trial in Massachusetts to compare the effectiveness and safety of performing elective angioplasty at hospitals without surgery on-site with that performed at hospitals with surgery on-site. Dr. Normand also serves on the Executive Operations Committee for the Dual Antiplatelet Therapy (DAPT) Study which is a US Food and Drug Administration (FDA) requested randomized clinical trial involving 16,000 patients powered to determine the appropriate duration of combined use of aspirin and a second anti clotting medication following implantation of a drug eluting stent.

Analysis of Genome-Wide Sequencing Association Studies

Xihong Lin (Harvard School of Public Health)
Yun Li (University of North Carolina at Chapel Hill)

Abstract
The short course is to discuss the current methodology in designing and analyzing sequencing association studies for identifying genetic basis of common complex diseases. The rapid advances in next generation sequencing technologies provides an exciting opportunity to gain a better
understanding of biological processes and new approaches to disease prevention and treatment. During the past few years, an increasing number of large scale sequencing association studies, such as the whole exome sequencing studies, have been conducted, and preliminary analysis results are becoming rapidly available. These studies could potentially identify new genetic variants that play important roles in understanding disease etiology or treatment response. However, due to the massive number of variants and the rareness of many of these variants across the genome, sequencing costs, and the complexity of diseases, efficient methods for designing and analyzing sequencing studies remain virtually important yet challenging.

This short course provides an overview of statistical methods for analysis of genome-wide sequencing association studies. Topics include pipelines for low level processing of whole exome sequencing data (such as SNP and indel calls), QC methods, review of the 1000 Genome Project and the Whole Exome Sequencing Project, imputation methods for sequencing data, statistical methods for detecting rare variant effects, and designs for whole genome-wide (exome) sequencing studies. Data examples will be provided and software will be discussed.

About the Instructors Dr. Xihong Lin is Professor of Biostatistics and Co-ordinating Director of Program in Quantitative Genomics at Harvard School of Public Health. Dr. Lin is a leading expert in analysis of high-dimensional genomic and ’omics data in population and clinical sciences, and correlated data, such as longitudinal, clustered and spatial data. She has made important contributions to statistical genetics and genomics, genetic and epigenetic epidemiology, genes and environment and medical genomics. Her current research areas include genome-wide association studies, whole genome (exome) sequencing association studies, analysis of gene-environment interactions, genome-wide DNA methylation studies, and SNP-set/gene-set analysis and pathway analysis. The statistical software SKAT developed by her group provides a popular tool for testing for rare variants effects in sequencing association studies. She is involved in several large scale genome-wide association studies and sequencing association studies in chronic diseases. Her research is supported by a MERIT award from the National Cancer Institute.

Dr. Yun Li is Assistant Professor of Genetics and Biostatistics at University of North Carolina at Chapel Hill. The focus of her research is on the development of statistical methods and their application to the genetic dissection of complex diseases and traits. In particular, she has developed a genotype imputation method (implemented in software MaCH) that has become standard in the analysis of genome-wide association scans. She has also developed methods for meta-analysis, the analysis of rare variants and assessed different approaches to handle imputation uncertainty in subsequent association analysis. She has worked on genomewide scans for genetic variants underlying several metabolic, auto-immune and cardiovascular diseases and related quantitative traits. In addition, she has developed methods to accommodate low-coverage sequencing data and have been actively involved in a number of next-generation sequencing based studies including the 1000 Genomes Project (Project Leader on calling SNP genotypes from low-coverage pilot), identification of RNA-DNA differences (RDDs), targeted sequencing of selected exons in >14,000 individuals, the WHI whole exome sequencing project (WHISP), and whole genome sequencing based studies for type 2 diabetes, for cannabis and stimulant dependence, and for blood lipid levels.
Upcoming Events

5th Annual Bayesian Biostatistics Conference
January 23–25, 2012
Houston, Texas, USA
http://biostatistics.mdanderson.org/BBC2012

2012 Conference on Statistical Practice
February 16–18, 2012
Orlando, Florida, USA
http://www.amstat.org/meetings/csp/2012/index.cfm

10th Annual ASA CT Chapter Mini-Conference: Emerging Statistical Issues in Clinical Trials
March 22 (Thursday), 2012 (8:30am–4:30pm)
Yale University
http://www.amstat.org/chapters/Connecticut/

Speakers: Dr. Ajit C. Tamhane (Northwestern University); Dr. Susan Murphy (University of Michigan); Dr. Jason Fine (University of North Carolina — Chapel Hill); Dr. Aurelien Latouche (Conservatoire national des arts et metiers and INSERM U1018, Paris, France); and Dr. Lorenzo Trippa (Harvard University).

Conference Contact: Bingqing Zhou, Department of Biostatistics, Yale School of Public Health, 60 College St LEPH 213, New Haven, CT 06520. E-mail: bingqing.zhou@yale.edu

International Symposium on Business and Industrial Statistics 2012
June 17–21, 2012
Bangkok, Thailand
http://www.isbis2012-thailand.org/

ICSA 2012 Applied Statistics Symposium
June 23–26, 2012
Westin Waterfront, Boston, MA, USA
http://www.icsa.org/2012/

The Second IMS Asia Pacific Rim Meetings
July 2–4, 2012
Tsukuba, Japan
http://www.ims-aprm2012.org/

Second Joint Biostatistics Symposium
July 8–9, 2012
Renmin University of China, Beijing, China
http://www.biostatistics2012.org/

In recent years, research design and data analysis have received widespread attention due to advancements in various areas of biostatistical research. The First Joint Biostatistics Symposium has been successfully held at Renmin University of China in 2010, to foster dialogue among biostatisticians as well as to promote an interdisciplinary approach for research. On July 8 and 9, 2012, Renmin University of China, University of Washington, Peking University, the Chinese Association of Applied Statistics, Chinese Association of Health Metrics and Evaluation, American Statistical Association, World Federation of Chinese Medicine Societies Clinical Trials Evaluation Committee, International Chinese Statistical Association, in collaboration with other renowned organizations, are jointly hosting the Second Joint Biostatistics Symposium in Beijing, China. The upcoming Symposium will focus on statistical methods and their applications in basic medicine, clinical medicine, public health and preventive medicine, traditional Chinese medicine, health economics, and statistical methods in bioinformatics. We are now soliciting proposal for invited sessions.

The submission deadline is February 15, 2012. Invited sessions will be selected by the Program Committee from those submitted. A formal invited session proposal should include the following: 1. Session title 2. Organizer name, affiliation, telephone, and e-mail address 3. Session chair name, affiliation, telephone, and e-mail address 4. Speaker information with name, affiliation, and e-mail/telephone as well talk title Please e-mail your proposals to Whitney Showalter at whitney.showalter@va.gov.
5th International Conference on Statistics and Society (ICSS)

July 14–15, 2002
Renmin University of China, Beijing, China
http://www.ifscn.org

The International Conference on Statistics and Society (ICSS) at Renmin University of China has been held every two years since 2004, during which many well-known statisticians have presented their work. The ICSS has become an influential statistical conference in China. The 5th ICSS at Renmin University of China is co-sponsored by Renmin University of China, Peking University, National Bureau of Statistics of China, and National Statistical Society of China. The keynote speakers are Feifang Hu (University of Virginia), Qiwei Yao (London School of Economics and Political Science), and Wei Yuan (Renmin University of China).

The scope of the 5th ICSS includes: Economic and Social Statistics, Demographic and Environmental Statistics, Analysis of High Dimensional Data, Risk Management and Actuarial Science, Financial Statistics, Survival Analysis, High Frequency Data Analysis, Statistical Learning and Data Mining, Nonparametric Statistics, Bayesian Analyses, Statistical Education, Statistical Methodology, Survey Research Methods, and Mathematical Statistics. Biostatistics is not covered because it is the theme of the 2nd Joint Biostatistics Symposium one week earlier (July 8–9, 2012) at Renmin University of China.

Deadline for abstract submission is April 30, 2012. Please submit to ruc2012forum@gmail.com.

Joint Statistical Meetings 2012
July 28 – August 2, 2012
San Diego, California, USA
http://www.amstat.org/meetings/jsm/2012/index.cfm

The 2013 (Ninth) ICSA International Conference
December 20–23, 2013
Lam Woo International Conference Centre, Hong Kong Baptist University

For more information, please contact Professor Lixing Zhu (lzhu@hkbu.edu.hk) at Hong Kong Baptist University. Details will be developed and announced.

Professional Opportunities

For details and contacts about all posts, see http://www.icsa.org/job/index.html.

Assistant, Associate, and Full Professor in Statistics or Econometrics, Central University of Finance and Economics

School of Statistics at CUFE invites applications for full-time tenure-track positions of all ranks (Assistant, Associate, and Full Professor) in all areas of statistics or econometrics to begin in the fall of 2012. Salary and benefits are competitive and commensurate with qualifications and experience.

Academic Positions in Mathematics, The University of Macau

The Department of Mathematics of the Faculty of Science and Technology invites applications for positions at all ranks and for all areas in pure mathematics, applied mathematics and statistics. Selected candidates are expected to assume duty in August 2012. Remuneration and appointment rank offered will be competitive and commensurate with the successful applicants’ academic qualification, current position and professional experience.

Assistant Professor in Applied Statistics, The Hong Kong Polytechnic University

The Department of Applied Mathematics (AMA) invites applications for Assistant Professor in Applied Statistics. The appointee will be required to (a) teach and contribute to curriculum development at undergraduate and postgraduate levels and supervise research students; (b) engage in scholarly research leading to publications in refereed journals and award of research grants; and (c) take part in the Department’s administration and consultancy. The Department has established a Joint Research Institute with the Academy of
Mathematics and System Sciences of the Chinese Academy of Sciences. The appointee is expected to be actively involved in the activities of the Institute. Applicants should have (a) a doctoral degree in Statistics or a closely related field; (b) an established track record in research and scholarship, including refereed publications and external grant applications; (c) expertise in applied statistics; and (d) a demonstrated commitment to excellence in teaching and proven qualities of academic leadership. Salary offered will be commensurate with qualifications and experience.

**Senior Instructor in Business Statistics, The Hong Kong University of Science and Technology**

The Hong Kong University of Science and Technology (HKUST) invites applications for the position of a senior instructor in Business Statistics, beginning January 1, 2012. The Department of Information Systems, Business Statistics and Operations Management (ISOM) will accept applications until the position is filled. A PhD in statistics or a related area is required. Applicants with experience in teaching in MBA programs are particularly welcome. Applicants with less experience may be considered for appointment at the rank comparable to that of an Assistant Professor. The successful applicant is expected to play an important role in teaching and developing business statistics courses for undergraduate and MBA programs of the School of Business and Management. Furthermore, the successful applicant will have opportunities to teach in various executive education programs and EMBA programs for additional income. Salary depends on qualifications/experience and is comparable to that of an Associate Professor.

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**Submission Guidelines for ICSA Bulletin**

The International Chinese Statistical Association (ICSA) Bulletin welcomes articles of general interest to our members. Articles should be in English or Chinese. The preferred format is latex, but MS Word is also accepted. A latex template is available at request.

In addition to the ICSA business, we have five columns currently. News about members are published in “People News”. “Looking Back” is for articles looking back at statistics, statisticians, and beyond. “Statisticians at Work” publishes articles on what statisticians do in their jobs, be it academic, industrial, or governmental. “R ‘R’ Us” is for communicating tips on using R and more generally, statistical computing. “Blog Spot” republishes blogs by statisticians that are of general interest.

Submissions are of course not limited to the existing columns. Ideas and volunteers are always welcome. As put by Dr. Tzu-Cheg Kao, our former Editor-in-Chief (2006–2008), in January, 2008, we always need inputs and help to: Organize the topics of general interests of our members; Interview with distinguished statisticians in academia, industry and government; Serve new, and junior statisticians; Share professional accomplishments, member news, and success stories; List upcoming meeting events; Solicit advertisements; and Review articles.

The deadlines are December 30 for the January issue, and June 15 for the July issue. Articles received after the deadline will be published in the following issue of Bulletin.

If you have questions/comments/suggestions, please contact Editor-in-Chief at ICSAbul@gmail.com.

www.icsa.org
Second Joint Biostatistics Symposium
(2012.7.8 – 2012.7.9 Beijing)
http://www.biostatistics2012.org/

Co-Sponsors
• Renmin University of China
• China Academy of Traditional Chinese Medicine, Guang’anmen Hospital’s Clinical Research Center
• State Administration of Traditional Chinese Medicine of China, Clinical Research Center of Traditional Chinese Medicine
• Chinese Association for Applied Statistics, Biomedical Statistics Society
• International Chinese Statistical Association

Principal Topics
• Special Topic Seminars
  - Statistical issues in medicine and public health
• Clinical Trials
  - Latest clinical trials design
• Bioinformatics
• Statistical Methods in Medical Research
• Statistical Methods in traditional Chinese medicine
• Statistical Methods in Disease Prevention and Control
• Genetic Association Studies
• Biostatistics Education

Papers due on May 30, 2012, The registration deadline is June 20, 2012

Keynote Speakers:
1. Raymond J. Carroll
Distinguished Professor of Statistics and Nutrition, Texas A & M University
2. Liming Li
Executive Vice President, Party Secretary, Chinese Academy of Medical Sciences, Beijing Union Medical College
3. Zhiming Ma
Professor, Institute of Applied Mathematics, Chinese Academy of Sciences
Academician, Chinese Academy of Sciences
Fellow, Third World Academy of Sciences
4. Donald B. Rubin
John L. Loeb Professor, Department of Statistics, Harvard University
Member, U.S. National Academy of Sciences
Member, American Academy of Science and Art

Contact Information
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• Telephone: (010) 82500131
• E-mail: liuchang@ruc.edu.cn

We encourage and welcome the participation of scholars and experts in related fields.
The 2012 Annual ICSA Applied Statistics Symposium will be held on Saturday June 23 through Tuesday June 26, 2012, at the Westin Waterfront, Boston, Massachusetts, USA. The Symposium will offer Student Paper Awards and Travel Grants to encourage student members of ICSA to participate and present their research work at this annual meeting.

**Qualification:** The applicant must be an ICSA member at the time of manuscript submission, a degree candidate in any term during the academic year 2012-2013 at an accredited institute and be able to register and present the research work at the 2012 symposium.

**Requirement Manuscript:** Manuscript should be prepared double spaced using Biometrics or JASA guidelines for authors. Excluding tables and figures, the manuscript must be no more than 20 pages using at least one-inch for all margins and no smaller than 12-point font. The research work must be relevant to application in a variety of fields including biomedicine, finance, business, etc. The manuscript may be co-authored with a faculty advisor and/or a small number of collaborators, although the student must be the first author.

**Submission of Manuscript:** Manuscript should be received no later than **March 15, 2012**. The submission should include:
- A cover letter;
- A separate title page with author(s), institutional affiliation, mailing address, phone/fax numbers and email address;
- A separate page of abstract;
- A blind copy of the manuscripts without author information or affiliation;
- A copy of the ICSA membership application form for non-members.
(Membership application/renew forms can be found from [http://www.icsa.org](http://www.icsa.org)).

All materials should be packaged into one .zip file and sent by email to ICSA Student Award Committee at ICSA2012@gmail.com (please don’t send directly to the committee co-chairs).

**Review and selection process:** Members of the Student Award Committee will receive blind manuscripts from the Committee Chair and review them based on the following criteria:
- The manuscript should be well motivated by an application to the specific field(s);
- The methodology developed should be applicable to the motivating problem. Inclusion of an application to a practical study will be favorably considered;
- Organization and clarity of the presentation will be considered as well.

Awards: Up to five student award winners (four Student Travel Awards and one Jiann-Ping Hsu Pharmaceutical and Regulatory Sciences Student Paper Award) will be selected by the committee. Each winner will receive a plaque, a cash award ($300 for the Student Travel Award and $400 for the JP-Hsu Award), and a free registration for a short course. Winners will be notified around **April 30, 2012**.

**Student Award Committee Co-Chairs:**
- Jianhua Huang, Texas A&M University, jianhua@stat.tamu.edu
- Siva Tian, University of Houston, siva.tian@times.uh.edu
ICSA 2012 APPLIED STATISTICS SYMPOSIUM

June 23-26, 2012, Westin Waterfront, Boston, Massachusetts, USA

The 21st ICSA Applied Statistics Symposium will be held from June 23 (Saturday) to June 26 (Tuesday), 2012, in the Westin Boston Waterfront Hotel, located in the beautiful seaport district of Boston, Massachusetts. The conference is co-sponsored by International Society for Biopharmaceutical Statistics (ISBS) and American Statistical Association (ASA). It will include short courses, technical presentations, student paper contests, and social events.

Keynote Speakers

- Professor Bradley Efron, Stanford University
- Professor Andrew Lo, MIT
- Dr. Richard Simon, National Cancer Institute

Honorable Banquet Speaker

- Professor Shing-Tung Yau (邱成桐), Harvard University

Important Dates

- March 1, 2012: Symposium Registration, Hotel Reservation and Abstract Submission Open
- March 15, 2012: Application Deadline for Student Awards
- April 1, 2012: Deadline for Invited Session Abstract Submission
- April 30, 2012: Deadline for Early Short Course and Symposium Registration
- May 1, 2012: Deadline for Contributed Session Abstract Submission

Additional Information

Short courses, our committee members and their contact information are described separately in this issue of The ICSA Bulletin. More information can be found on our website http://www.icsa.org/2012/. So far, our members have submitted almost 100 invited scientific sessions and we continue to accept invited session proposals.

We are striving to make this conference a memorable and learning experience for all, and welcome all ICSA, ISBS, and ASA current and future members to participate, to organize invited sessions, and to provide suggestions.

We would like to thank all of our committee members for their time, effort, and excellent accomplishments.

Mingxiu Hu/Tianxi Cai (on behalf of 2012 Symposium Executive Committee)