International Chinese Statistical Association

Bulletin
January 1996
編者的話：

由於泛華協會會員人數激劇增加，泛華通訊錄有修改的必要，我們準備發行 1996 年的通訊錄。請各會員儘快寄回 Renewal form 以及最新資料，如地址，E-mail address 和 Fax number，會刊在每年一月底發行一次，如果稿件夠多則一年發行兩次。

會刊是我們會員的主要交流園地，希望各位踊躍賛稿，文章以一至二頁的短文為主，須用中文繁體字或英文書寫，文章性質以一般性非專門性學術的文章為主，以前或本刊內的各篇短文都是很好的範例，稿件如獲採用，我們希望能由作者安排打字，完稿的上，下，左，右留邊 (margin) 至少要有四分之一英寸，頁碼離底邊二分之一英寸，打字打在 8" x 11" 的白紙上。稿件的截止日期是十二月十五日。截止日期後收到的將列為下一期的稿件。

刊內附有本會的申請表 (application form)，其中會員動態內的著作 (publication) 以一年內的新作品為限。

從1994年度起，本會酌收徵才廣告費一頁 U.S.$200 或半頁 U.S. $120。

對於以上的一些構想，如果您有任何建議，請與泛華協會秘書羅煒輝（地址見下）聯絡，以期這份刊物更為完善。

Note:
ICS Members: Only individuals who have paid are members, otherwise non-members.

Publication committee:

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傅 權
蔡瑞卿
羅煒輝

1996 會刊通訊錄編輯人員

周賢忠 林彩雲 林嵐峰
許建倫 鄧開元 羅昭容
張 斌 鍾振勳

I.C.S.A. c/o Dr. Nancy Lo. Executive Secretary
2575 Ardath Road
La Jolla, CA 92037
U.S.A.
EXECUTIVES AND MEMBERS OF THE COMMITTEES OF ICSA 1996

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- Chair: Dr. C.S. Cheng
- Members: Dr. W.H. Wang, Dr. G.Y. Li

GORDON LAU (Chair); Yi-Tsong (Chair-elect); Nai-ting Ting (Secretary); Yi Tsang (Treasurer);
Timothy Chan (ICS A Representative)
泛華統計協會一九九五年大會
會議記錄

時 間：一九九五年八月十四日（星期一）下午五時至七時半
地 點：美國 Florida 州 Orlando 的 Walt Disney World
        Dolphin Hotel Oceanic 1 Room

一、議事暫定議程。
      無異議通過。

二、議決上次會議紀錄。
      無異議通過。

三、討論上次會議紀錄有關事項。
      無討論。

四、會員報告（鄭榮孝）。
      （一）本協會在過去一年中，舉辦並參與三大學術會議。
      1. 本協會於今年四月十五日在 Rutgers University 舉辦第五屆應
         用統計學研討會（ICS A 1995 Applied Statistics
         Symposium）。
      2. 1996 年六月二十四日至二十九日美華華生物學學會 S C B A
         （Society Of Chinese Biologists in America）在加拿大的溫哥華
         不列顛哥倫比亞大學舉辦第六屆 S C B A International
         Symposium，由本協會、S C B A 的 Bio/Pharmacological科学
         轟、不列顛哥倫比亞大學的統計系合辦 Statistics in Preclinical
         & Clinical Design Session。此 Session 由國際統計
         會中，沈志剛主辦，詳情內容請參閱 1995 年 IC SA Japan Bulletin。
      3. 本週三、六、日（八月十八日至二十日）三天，本協會在中國北京香
         山飯店舉辦第三屆統計學研討會，預計將有 215 人參加，來自美
         國有 56 人，臺灣 21 人，香港 53 人，日本人 1 人，瑞典 1 人，澳洲 1 人,
         共 120 輯文。預計會中有十餘位統計學者，大陸學者若干位。
      （二）本協會會員均參加 S A S 的活動，希望大家積極參加各項 S A S
         會員為 S A S Officers 的候選人，如President、Vice
         President，如此，增加華人的影響力希望大家到名表後，儘量
         提名。
      （三）本協會正在開始建立 E-Mail Network，此任務由鄭榮孝負責
         World Wide Web 有三、四個統計協會，本協會擁有 900 位會員，
         大概是第三統計協會，我們應該加強 Network 的工作，會員對此
         如有異議請告訴我們。

五、工作報告。
      （一）秘書報告（鄭榮孝）。
          我再次感謝大家，今年年底我們準備發行 1996 年的通訊錄，請各
          位將詳資料 E-Mail Address 和 Fax Number 等發給我報名。
          關於會費規定，請大家注意下列事項：
          1. 只有在華學生才能繳付學生會費。
          2. 博士與研究員需繳付普通會費。
          3. 夫婦兩位者，只能收到一份會費。
          4. 只有 I C S A 會員有資格參加 Biometrics Section，此
             Section 不收會費。
      （二）財務報告（鄭榮孝代理）。
          I C S A 1994年11月～1995年5月財務報告為收入美金 $8766.76，支
          出美金 $8299.98，加上去年結餘，Balance 為美金 $48.499.78 可用
          自留做為（見本刊附表），本年費用預算報告，共收美金 $1800.00。

五、Biometrics Section 陳述。
      1. I C S A Biometrics Section 簡訊第一期於今年四月出刊。
      2. 第五屆應用統計研討會於六月十五日在 Rutgers University 舉
         行，大會首席主持人為 Biometrics Section 會長，到
         會者為二百人，Keynote Speaker 是吳質龍教授，會中兩場
         並行，其中八個 Sessions，最後兩場是議會，主題
         是“加強對泛華統計協會會員的服務”所有議題均提交 I C S A。
      3. 本 Section 在美國華生物學學會 S C B A （Society Of
         Chinese Biologists in America）的國際統計會中主辦一
         場 Statistics in Preclinical and Clinical Design，此
         會議於六月二十四日至二十九日在加拿大溫哥華舉行。

六、中華統計學會（鄭榮孝）。
      此訊於 1993 的 Science Journal Citation Report（榜列 1993 年
      排名 23）進步，除英文 Journal 之外，本學會將排行於其他
      English Journal 之前，從今年起，每年出版四次，即十二月、四月、
      七月和十月，此學會乃為中華統計學會研究部所設立本協會
         合辦之刊物。

七、第三屆國際統計研討會（鄭榮孝）
      4
Announcement from the Executive office:

Amendments to the I.C.S.A. Constitution and By-law.

During the Board of Directors meeting held at Orlando, Florida on August 13th, 1995 the Board approved the following amendments to the constitution: The title of 'Secretary' will be replaced by 'Executive Director'. The number of executives will be expanded to accommodate the increasing amount of work.

If you have any comments or questions about these amendments, please write to the Secretary.

Nancy C. H. Lo
2575 Ardath Road
La Jolla CA 92037
(nlo@ucsd.edu)

The proposed amendments to the constitution will be voted on at the annual meeting in Chicago.

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六、選舉結果報告（鄭維君）

泛華統計協會發出 390 張、回收 133 張。1996 年的 President-elect 由周賢忠當選。

改選五名理事：當選名單如下：
李明奎、蔡樹永、陳江、郭婉雲、蔡高太（任期三年）。

Biometrics Section 一九九六年 Chair 由莊宜當選。

七、頒獎（鄭維孝代理）

Award Committee 授獎給前任會長葉養和 Biometrics Section 徐建新。

葉 頌：
* 當 I.C.S.A 1994 會長期間，熱心推展會務。
* 主動負責與其他華人科技團體合辦學術交流活動。
* I.C.S.A 創會以來，長期連繫地參與並負責多項協會的活動。

徐建新：
* 被任命為 I.C.S.A Biometrics Section 的 Chair，熱心推展活動，並創辦中央校刊的 Section Newsletter。
* 曾任協會理事，並負責多個 Committee 的主要任務。
* I.C.S.A 創會以來，一直對協會多方面支持，出錢出力，不為人知，服務奉獻的精精神值得借。

八、討論事項

無討論。

九、宣讀會

此次會議由陳鎮主持，議題是“如何由畢業轉入統計的實際社會裡”。

四位 panelists 代表他們的議題是：
李 勤：Outline of Panel Discussion at I.C.S.A Orlando FL。
李偉蓉：Reengineer, You, Project Team and Communication。
黃華輝：Working with Marine Scientists to Count Ocean Fish。
黃維福：Some Advice on Academic Job – Hunting。

演講完畢，主席表示發言踊躍，會員們建議在未來的 I.C.S.A 大會中，增加一切尋找工作的專題演講，例如：如何撰寫履歷表、演講秘訣等等。以協助華人統計學者在職業社會有效發揮專業技能。

會議在七時四十五分結束。
Outline of Panel Discussion
at I.C.S.A.
Orlando, Florida
by John G. Lee
August 14, 1995

The purpose of this discussion is to provide an overview of the areas which
attentions are needed for our members that are entering into the statistical
professional world. The intent is to share our experiences and to take advantage of
them. The areas listed below will pertain to job interviews, but also will be a
general guide for professional career development.

- Communications
  - Oral
  - Written

- Professional Image
  - Technical Competence
  - Personal Appearance
  - Composure

- Presentations
  - Technical
  - Interpersonal

PANEL DISCUSSION

HOW TO TRANSIT FROM GRADUATION TO THE REAL WORLD OF STATISTICS

Reported by T. Timothy Chen

As announced in the July 1995 I.C.S.A. Bulletin, we had a panel
discussion in the August I.C.S.A. general meeting. Two panelists
were from industry, one from government and the last from
academia. Dr. John Lee is Corporate Senior Vice-President and
General Manager of the Biostatistics and Data Management
division of PARKE D, International Corporation, Massachusetts. Dr.
Tsuo-Yan Lee is President and CEO of Excel Scientific Protocols,
New Jersey. Dr. Nancy C. H. Lo is Senior Statistician, Southwest
Fisheries Science Center, California. Professor C. F. Jeff Wu is
Chair, Department of Statistics, University of Michigan and Chair
editor, Statistics Sinica.

The panelists gave precious advice about job searching,
interviewing, and adjusting to the work environment. The
abstracts of their talks are given here followed by a
bibliography of useful references provided by T. Timothy Chen,
the organizer of the panel discussion.

In this session, audience members suggested that similar "How To"
sessions be held in the future: how to write a resume, how to
give an effective presentation, and how to improve communication
skills in the workplace. Consequently, two "Service" sessions
will take place at I.C.S.A. Applied Statistics Symposium, Johns
Hopkins University, Baltimore, June 8 & 9, 1996.
REENGINEERING, YOU, PROJECT TEAM AND COMMUNICATION

By T.Y. Lee ACER/ENEXEL

Many large hierarchy corporations in the United States are shrinking through the processes of downsizing, merging and REENGINEERING. As noted by Dale Carnegie & Associates that "In more and more well-led organizations, the answer is being found in teams. Increasingly often, people are being asked to work beyond their disciplines, outside their cultures, above and below their usual ranks" (Reference 1).

The project team is usually a functional structure of a small self-sufficient horizontal empowerment group (HEG) which will provide dynamic approach of project management and conducting project activities. It melds various professionals into one functional group and gives them a common task to accomplish. Each HEG is responsible for all activities pertaining to the project completion from beginning to end. Every member of the team is responsible for their success or failure and they share the reward or punishment as a unit.

Each HEG is functionally connected to the central management group (CMG) which is responsible for enforcing standardization and minimizing redundancy of development work by various HEGs. Additional benefit of forming HEG is creating a healthy competitive atmosphere among various HEGs. This can lead to improved quality and productivity if the competitiveness is properly monitored. To make it work, the communication among various members within each HEG and between HEG and the CMG should be encouraged to channel the project status, problems, resolutions and encouragement. To establish an effective communication and bring out the best in people at their worst, several techniques are useful (Reference 1):

1. State your positive intent to set the tone.
2. Beware that your communication behavior depends on your intention or your perceived intention of others.
3. To reduce the possible conflict, blend and redirect to enhance the rapport and constructive interaction.
5. Tactfully interrupt the interruptions and be ready to listen.
6. To understand each other clearly, backtracking the actual words used by the team member, clarifying the vague generalization, summarizing the issues item by item and confirm your summarization with the team members.


WORKING WITH MARINE SCIENTISTS TO COUNT OCEAN FISH

Nancy C. H. Lo
Senior Statistician
Southwest Fisheries Science Center
P.O. Box 271 La Jolla CA 92037
nlo@ucsd.edu, 619-546-7123(c), 619-546-5656(x)

For more than 20 years I have worked with marine biologists and oceanographers, using my skills as a statistician to count fish; without getting my hands dirty. Based on my past experiences, I recommend that in addition to having a solid statistics background, you should also have excellent communication skills, as most projects are carried out using team work. I recommend the following:

While you are in school
1. Build up your communication skills. Take courses in English writing, speed reading, and public speaking.
2. Choose a minor field to which you may apply your statistical tools later, for example, biology, sociology, economics, etc.
3. During school breaks, seek temporary employment, internships or volunteer work at an institute or company where you get real-world job experience.

While you are in the job market
1. Network. Make it known that you are searching for a job or you are interested in changing to a different establishment.
2. Attend both professional meetings of statistics and other disciplines that interest you.
3. Be sincere during your interviews and bring your portfolio. A follow-up phone call will show your enthusiasm.

While you are working as one of the few statisticians in an organization
1. Work smart rather than hard.
2. Be vocal but not rude. Express appreciation to your coworkers as well as your concerns.
3. Explain statistical procedures in simple English, i.e., layman's terms. Use numerical examples but avoid equations.
4. Keep in touch with other statisticians by attending seminars offered in nearby universities and conferences. Be active in the local statistical societies. Keep up with the current literature and issues in statistics.
5. Keep a sense of humor.

A happy career to you !!!

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SOME ADVICE ON ACADEMIC JOB-HUNTING

C. F. Jeff Wu
Chair, Department of Statistics
University of Michigan

Since this talk is given for the members of the ICSA, it will focus on a targeted audience. The advice offered here does not necessarily apply to other ethnic groups.

Academic job-hunting usually consists of four steps: preparation of vitae, contact with potential employers, interview, after-interview contact.

(i) Do not be modest in the preparation of vitae. Your experience in research, teaching, consulting should all be included. Nowadays academic employers pay special attention to experience in consulting, teaching performance and fluency in spoken English. You need to give concrete evidence for your application to pass the initial screening. Keep in mind that for each position there are usually over 120 applications out of which at least 30 are Chinese.

(ii) You may receive a phone call about your application. It may be a subtle way to test your spoken English. So be prepared for it. If you do not hear from the potential employer, you may call to inquire about your candidacy. Speak fluently and be pleasant on the phone.

(iii) If you are lucky enough to get an interview, make every effort to give a good impression. Your talk is the most important part. Rehearse your talk before the trip. Find out more about the department, i.e., its research, teaching and other programs. If necessary read some of the key papers authored by the major players of the department. Try to engage in each meeting with the faculty member. Know how to present a good impression when meeting with a dean. Your knowledge of the society will help you in the meetings with administrators and during social hours. Be sincere about your other options.

(iv) If you get an offer, learn how to negotiate in earnest. If you have not heard any news, call to make an inquiry.

These are some of the main points of my presentation.
從1995年五月一日至目前為止，ICS A計收捐款5筆，計595美金
捐款人名氏詳列如下：

侯雲 陳江 刁錦霞 王永雄 蔡繼永
黃連邦 鄭亦輝 黃克歐 鄧文高 鄧樹泉

感謝以上會員對協會的捐助！

ICS A新會員名單
（6/95 - 12/95）

Jong, Yi-Kuan
Gelman, Andrew
Pan, Jie-Nan
Huang, Hui-Nien
Hou, Yun-Kai
Huang, Won-Chin
Zhang, Liang-Jun
Wu, Huaqing
Zhou, Suman
Wu, Xiaobai
Wu, Jiang-Ming
Du, Wei
Tang, Peng
Shan, Zhen-Ming
Lai, Dejian
Yang, Helen-Chao
Lee, John
Liu, Tiepu
Yu, Philip
Lu, Li-Li
Soon, Gaoxing
Ho, Chung-Chou
Ho, Bo
Zhang, Feng-Lian
Shia, Ben-Chung
Liu, Ai-Yi
Huang, Li-Shan
Chen, James J.
Hou, John Shih-Ilan
Shen, Larry
Chang, Wei-Ju

鍾伯寬 余宜嘉 王威慈
U. of Pittsburgh U. C. Berkeley
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Texas Tech, U. TX
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VCU, VA
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Fu Jen U. Taiwan
U. of Rochester, NY
Florida Stat. U.
FDA, Arizona
Santa Barbara, CA
Procter & Gamble, OH
Taiwan, ROC

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### I.C.S.A. Mainland Office Financial Statement

**Nov. 14, 1994 - Nov. 31, 1995**

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THE 3RD I.C.S.A. STATISTICAL CONFERENCE IN BEIJING

Sally Y. Cheng

From August 18th to the 20th, 1995, the 3rd ICSA Conference was held in the outskirts of Beijing at the Fragrant Hill Hotel inside the magnificent Fragrant Hill Park. It was decided by the Conference Committee to hold this conference right before the 50th ISTAT session, making it convenient for people to attend both events if they wished. Like the previous two, this conference was a big success. About 200 people came from all over the world -- China, Taiwan, Hong Kong, Japan, U.S.A., Canada, Australia, Sweden, and Austria to participate in the event. 192 papers from various fields (both theoretical and applied) were presented. A lot of enthusiastic exchanges and discussions among the attendees occurred. Many young statisticians from China were especially impressed with the opportunity to meet the many well-known and well-established fellow scholars at the conference. They felt that it was very beneficial to have the chance to interact with those people.

Besides 3 full days of paper presentations, there were 4 keynote speakers: Professors Xiu Chen of the University of Science and Technology, Beijing; Ching-Zong Wei of Academia Sinica, Taipei; Wing H. Wong of the Chinese University of Hong Kong; and C. F. Jeff Wu of the University of Michigan all of which presented thought provoking lectures.

In addition Professors Guo-Ying Li of Academia Sinica and James C. Fu of the University of Manitoba also organized a special panel discussion on "The Nuts and Bolts of Statistical Research." Three Panelists, Professors George C. Tiao of the University of Chicago; C. F. Jeff Wu of the University of Michigan; and Grace L. Yang of the University of Maryland, provided a packed lecture hall of listeners with their valuable research experience which definitely enlightened many fellow researchers, young and old.

The Conference also arranged two separate Plenary sessions, one for the journal, STATISTICA SINICA, and another for the ICSA. Many good discussions followed.

The success of this Conference was mainly due to the Local Organization Committee's endless effort and more than a year's hard work. We are especially indebted to Professor Shi-Yong Feng and Guo-Ying Li of Academia Sinica, Beijing for their special assistance and many other colleagues and students who helped out. The generous donations from the Chinese Statistical Bureau, The Chinese Statistical and Probability Association and Academia Sinica,

Ming-Hui (Chen Ming-Hui) recently published the following: Importance weighted Bayesian posterior density estimation. 1994. JASA 90(818-824).
Xiao-Bao (Zhou Xiao-Bao), an assistant professor in the Biostatistics Division of the School of Medicine at Indiana University was awarded a five-year first award from NIH. With this award he will develop new statistical methods for evaluating the accuracy of diagnostic tests.

Jack C., Director of the Institute of Statistics, National Chiao Tung University, Taiwan, are among the newly selected fellows of the American Statistical Association. Congratulations to both of them.

Wu C. F. Jeff) has been appointed Chair of the Department of Statistics, University of Michigan as of July 1, 1995.

ICSA 1996 Applied Statistics Symposium
June 8-9, 1996

Dear Members:

The Johns Hopkins University
Shaffer Hall
N. Charles and 34th Streets
Baltimore, Maryland 21218

The symposium will be held from June 8-9, 1996. The schedule is as follows:

**General Session:**
- **June 8th:**
  - Morning Session: 9:00 AM - 12:00 PM
- **June 9th:**
  - Afternoon Session: 1:30 PM - 4:30 PM

**Call for Papers**

The symposium will feature several invited sessions and contributed papers. Authors are encouraged to submit papers on topics of interest. The symposium will feature a number of invited speakers and discussants. The symposium will be held at Shaffer Hall, the main campus of The Johns Hopkins University, located in Baltimore, Maryland. The main campus is located near downtown Baltimore, Maryland.

**Abstracts**

Abstracts should be submitted in electronic form to the organizers. The abstract should be no longer than two pages and should include the title, authors, affiliations, and a brief summary of the research. The symposium will be held at Shaffer Hall, the main campus of The Johns Hopkins University, located in Baltimore, Maryland. The main campus is located near downtown Baltimore, Maryland.

**Sponsorship**

The symposium will be sponsored by the International Chinese Statistical Association.

---

**Deadline for Submission:**

Deadlines for the symposium are as follows:

- **Abstract Submission:** May 1, 1996
- **Paper Submission:** June 1, 1996

---

**Instruction:**

1. Type Abstract in the above box. Abstract must contain title (should be all caps), full names of authors, and text of abstract.
2. Mail it to: Kung-Yee Liang, Dept. of Biostatistics, School of Hygiene and Public Health, The Johns Hopkins University, 615 N. Wolfe St., Baltimore, MD 21205.
3. An invitation letter will be sent to all invited and contributors.
ICSA 1996 APPLIED STATISTICS SYMPOSIUM
at The Johns Hopkins University
Shaffer Hall
Baltimore, Maryland 21218
June 8-9, 1996

Registration Form

Name (English) __________________________ (Chinese) __________________________

last name first name middle initial

Affiliation __________________________

Mailing Address __________________________

Telephone ( ) FAX ( ) E-mail __________________________

Registration Fee (Member $30.00, Nonmember $35.00): $ ______
Short Course ($25.00): $ ______
Banquet ($20.00 x Adults + $10.00 x Children***): $ ______
Saturday Lunch ($7.00 x Adults + $3.00 x Children***): $ ______
Sunday Lunch ($7.00 x Adults + $3.00 x Children***): $ ______
Membership Fee (Regular: $25.00, Student: $10.00, for new member only****): $ ______
Accommodation Fees for University Resident Hall on Campus**: $ ______
Single Occupancy $38.20 x night(s) x room(s): $ ______
Double Occupancy $58.60 x night(s) x room(s): $ ______
Parking $2.50 x night(s): $ ______
Sunday Breakfast ($7.00 x Adults + $3.00 x Children***): $ ______
Sunday Breakfast ($7.00 x Adults + $3.00 x Children***): $ ______
Donation: $ ______
Total: $ ______

* Registration fee can be waived for students certified by the faculty member.
** The banquet is free for children age under 6, $10.00/cas for age 6-10, $25.00/cas for age over 10. It is free for all the speakers and organizers.
*** Breakfast and lunch is $3.00/meals for children age under 12.
**** If you are not an ICSA member yet, you may join ICSA and pay the registration fee as a member.
***** If the child occupies a bed, he/she will be charged at the same rate as above; should the child sleep in a crib, sleeping bag, etc. there is no charge.

Additional Information:
Parking: On campus parking is free during the weekdays.
Residence Hall Facilities: Outdoor tennis courts and a running track are available without cost. The indoor swimming pool and basketball courts can be used by paying the $5.00 entrance fee directly to the Athletic Center at the entrance.
Local Restaurants: Since there are very few restaurants near the campus, purchasing breakfast (for staying in residence halls only) and lunch tickets are highly recommended.
Hotel Arrangement: Besides the University Residence Hall, there are ten rooms reserved for ICSA for reservation made before May 5, 1996 at the Calzone Double Tree, 4 W. University Pkwy, Baltimore, Maryland. The rate is $107.00/room/night. Please call for reservation: (410)235-5400. Be sure to refer to the ICSA symposium when making the reservation.
Entertainment: Karaoke will be hosted by Dr. Gordon Lan and Yi Teng after the banquet. Please bring your favorite laser CD.

Instruction:
1. Use a separate form (Xerox copies are accepted) for each registrant.
2. This form must be accompanied by a check or money order in U.S. dollars made payable to ICSA.
3. Please mail the registration form with payment to:

Li-Ping Yang
Dept. of Epidemiology
School of Hygiene & Public Health
The Johns Hopkins University
3721 Hampton House
624 N. Broadway
Baltimore, MD 21205
Tel: (410)346-3518
Email: lac@columbia.edu

To ensure the reservation at University Resident Halls which have a limited number of occupations, you must submit your registration form and payment no later than March 10, 1996. Early registration for meals and banquet is strongly encouraged. Program and a local map will be mailed to all registrants made before May 1, 1996.

Sponsored by
International Chinese Statistical Association
SHORT COURSE ANNOUNCEMENT

1:30 p.m. - 4:30 p.m., Sunday, June 9, 1996

INTERIM ANALYSIS, BROWNIAN MOTION AND MARTINGALES

Gordon Lan, Pfizer Inc.

This is an overview of sequential methods used in clinical trial data monitoring. We start with conditional power evaluation and stochastic curtailing, then a brief introduction to group sequential methods and spending functions. We consider three types of response variables: (i) immediate response variable, (ii) time-to-event variable and (iii) repeated measures. Many two-sample tests for these responses, when computed over time, approximate the Brownian motion processes. The second half of the course presents a casual introduction to martingales, or fair gambling processes. We describe the concept of a martingale and its application to the analysis of survival data, but without the mathematical rigor required for formal proofs. We use heuristic arguments to demonstrate that the logrank statistic evaluated over time is a fair gambling process, and introduce some mathematical notation and terminology along the way. These ideas are first introduced in the context of a discrete time process, and are then generalized to a continuous time process. With slight modifications, the same idea extends from the logrank to other linear rank statistics.

Lecturer: Dr. Gordon Lan received his B.S. and M.S. in mathematics from National Taiwan University in 1966 and Ph.D. in Statistics from Columbia University in 1974. Before joining the Pfizer Inc. as the Senior Technical Adviser, Dr. Lan has worked at the Division of Biostatistics, National Heart Lung and Blood Institute and Department of Statistics, George Washington University. Dr. Lan is a fellow of the American Statistical Association and is well known for his work on statistical methods for design and sequential data monitoring in clinical trials. Dr. Lan was a member of the FDA Pulmonary and Allergy Drug Advisory Board and currently serves on the Data Monitoring Board of several on-going clinical trials. Dr. Lan also served on the Board of Directors of ICSA (1987-1991), the ENAR Regional Advisory Board of the International Biometric Society (1988-1991) and was the ENAR Program Chair of the 1993 Joint Statistical Meetings. Recently, he served as the Program Chair of the 1994 ICSA Applied Statistics Symposium.

Taiwan統計界人數的小小統計

修訂版

李耀安

中央研究院統計科學研究所
E-mail: l1@pages.stat.sinica.edu.tw

上期曾刊載對台灣地區有多少「統計學家」，指出小小的統計學，根據專家意見，是民間博士的估計，約有300位博士。觀其在政府機構（例如官方政府的主計單位）、工業界（例如中鋼公司）、與學術界（例如各大專院校及研究機構）、下表所列台灣學術界的統計人才數目刊出後，經各界來函指正，修正如下：

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統計：

186人

以上數目是保守估計（underestimated），一些在專科學校任教的新朋友尚未列入，相隔「遠友」約有200人左右。
中央研究院統計科學研究所

誠徵統計及相關領域具博士學位之研究人員。本所現有研究
人員三十餘位，圖書資料及計算機軟體設備均齊全完善，
現誠徵有興趣於學術研究工作者加入。請於1996年2月
29日前洽：

Hwei-Chung Ho (何 淮 中)
Search Committee
Institute of Statistical Science
Academia Sinica
Taipei, Taiwan 115
Republic of China
TEL: 886-2-7835611 ext. 112
FAX: 886-2-7834172
E-MAIL: hcho@stat.sinica.edu.tw

交通大學統計學研究所誠徵人才

交通大學統計學研究所成立於民國八十八年，是一
個充滿朝氣，適合發揮所長與理想的地方。目前
本所有缺額數名，歡迎有志從事統計研究多年之同
仁或具有潛力的新銳申請。

本所除具有電腦室外，目前每位教授都擁有工
作站或筆電個人電腦，並可透過網路與國內外學
術網絡連接。交通大學校內的超級電腦在科學園
區內的國家高速電腦中心也是可利用的設備。圖書
與期刊豐富並正積極增購中。本校理工科及管理學
院阵容整齊，又緊臨工業技術研究院和科學園區，
是個非常適合學術交流與發展應用統計的環境。

有興趣者請將履歷、成績單(有工作經驗者尤)，
學位證書影本及介紹信三封
寄至

新竹市大學路1001號
國立交通大學統計研究所
李昭鈞教授收

Prof. Jack C. Lee, Director
Institute of Statistics
National Chiao Tung University
Hsinchu, Taiwan

TEL : 886-35-728746
FAX : 886-35-728745
E-Mail : search@stat.nctu.edu.tw
INTERNATIONAL CHINESE STATISTICAL ASSOCIATION
MEMBERSHIP RENEWAL FORM

NAME
ENGLISH
LAST
FIRST

CHINESE

OFFICE

ADDRESS

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CITY

CITY

COUNTRY

POSTAL CODE

COUNTRY

POSTAL CODE

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EMAIL

ADDRESS

FAX NO.

HIGHEST DEGREE

YR. GRADUATED UNIVERSITY

OCCUPATION (TITLE)

MEMBERSHIP

REGULAR U.S.$25 STUDENT U.S.$10

Biometrics Section Free DONATIONS $5

SPouse (50% LESS) PERMANENT $25

SPouse/s NAME:

TOTAL AMOUNT U.S.$

STATISTICAL AREA OF INTEREST

(A TICK AS MANY AS YOU LIKE)

A AGRICULTURE

B BUSINESS/ECONOMICS

C COMPUTING/GRAPHICS

D EDUCATION

E ENGINEERING

F HEALTH SCIENCES

G PROBABILITY

H SOCIAL SCIENCES

I THEORY AND METHODS

J BIOSTATISTICS

PLEASE MAKE CHEQUE PAYABLE TO: I.C.S.A.

INTERNATIONAL CHINESE STATISTICAL ASSOCIATION

MAIL THE FORM AND CHEQUE TO: I.C.S.A. c/o Nancy C. S. Lo, Ph.D.
2973 Ardeth Road
La Jolla, Ca 92037
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| AREA OF | A AGRICULTURE |
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| D EDUCATION | E ENGINEERING |
| G PROBABILITY | H SOCIAL SCIENCES |
| I THEORY AND METHODS | N BIOSTATISTICS |

PLEASE MAKE CHEQUE PAYABLE TO: I.C.S.A.

INTERNATIONAL CHINESE STATISTICAL ASSOCIATION
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2976 Ardenwood Road
La Jolla, Ca 92037
U.S.A.

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