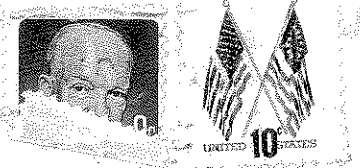


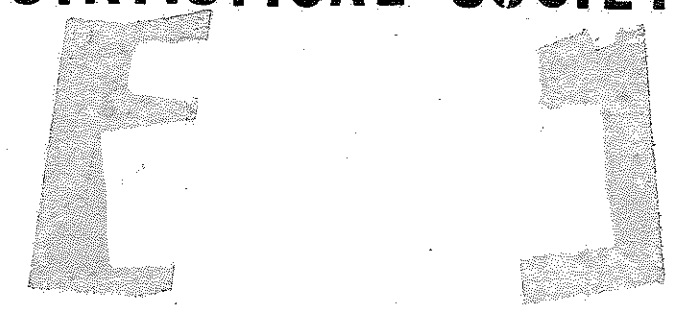
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From:
7 Fuller Ave
Piscataway, N.J. 08854
U.S.A.

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CHINESE STATISTICAL SOCIETY IN U.S.



一 九 七 五 年

會 員

通 訊 錄

暨 會 刊 75(1)

留美中國統計同仁聯誼會

CHINESE STATISTICAL SOCIETY IN U.S.

一九七五年

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通訊錄

暨會刊 75(1)

往哪裏走？ — 會員

學統計及相關科系的同仁一天天的增加，我們總想在編通訊錄外，還能做些更有價值的事情。中國海外統計學會的主要目的之一，固然是交換同仁的通訊處，看看他(她)在那裏，但交換這些信息的最終目的，應是對中國統計界，或統計在中國的应用上有較大的貢獻。如果大家相聚不談學術而只談房子，股票，則這不是統計學會。如果大家只談統計在歐美雜誌上的論文，則這不是中國海外統計學會。我們總希望在今後的活動中，「中國」、「海外」與「統計」这三件事都能佔相當重要的份量。

中國人在統計上的成就，前有先進，後有來者，試看最近各統計雜誌，每期總少不了 Chao, Chen, Sun, Li 一類的姓。但我們為中國做了什麼呢？又為海外的華人做了什麼呢？也許你認為你的課餘時間有限，中國太大，不是你的能力可以達到的。是的，我們的理想往往超出了一個人的能力，但大家如有共同理想而且合作的話，這理想是可能可以達成的。

我們對中國海外統計學會的工作，有下面几个想法。

(一) 撥出一些會費設立一個獎章和獎金，每年發給對「用統計為中國帶來最大貢獻的人」我們可以為這件事宣傳，借此讓大家知道統計是什麼，實際的貢獻在那裏。

(二) 我們常注意中國大陸，台灣，香港，華埠的新聞報導，若有用得着統計的，或是報導不合統計原則的，我們寄給中國海外統計學會。以統計學會的名義向報紙建議，並對同仁發通訊互相討論。

(三) 由於海外統計同仁絕大多數都在美國，也許我們可以為華埠做真事情。如果我們能把華埠的水準提高一層，對華人及美國都是一種具體的貢獻。改善華埠固然不全是統計學會的責任，但應是每個華人團體的責任，因此我們也就有一份責任。為華埠作一些統計圖表及分析，固然上不了 AMS，却是統計學會又不容辭的事情。而這些統計資料正是其他海外華人學術團體改善華埠的參考。看樣子，這工作是該由我們來開展的。

以上這些想法，也許你不全贊成，也許你全不贊成，但只要我們為中國統計服務的心相同，我們不難從你的來信中，達成一個大家都認為可行的起點。如果我們再不向類似的方向前進，那麼中國海外統計學會的存在就有檢討的必要了。為了說中文，只要中國人就行了，若只為了統計，我們都知道我們應在 ASA meeting 中與洋人打成一片。我們這個學會的存在，離不了「統計」，也離不了「中國」。

光陰似箭，步月如流，我們這一代統計同人若要在「中國統計史」上留下一頁成果，你說，現在該不該起步了。

改名不換姓

Dar-shong HWANG

六年前當我們的組織剛剛成立的時候，大部分會員是學生，因此有“留(旅)美中國統計學會”(The Chinese Statistical Society in U.S.) 這個名稱。今天，許多會員已經完成學位，在美國成家立業，甚至取得公民權，永久定居。此後大部分會員關心的問題，依我個人看來，應是互通聲氣，促進團結，爭取中國籍統計人才在美國學術上和經濟上的地位；另一方面是廣肆連絡各種統計人才，必要之時，替祖國的統計工作做一些貢獻。

為此目標，我們的組織要常常和美國的社團(如 ASA)來往，引用“The Chinese Statistical Society in U.S.” 這個名稱給人一種外國機關在美國活動的錯覺，似乎連本地出生的僑胞子弟都不能參加。

我建議把我們的會名改為“American-Chinese Statistical Society”(中美統計學(協)會)，避免上述不便之處。

建立分區制度 黃光明

留美統計協會成立七年以來，似乎除了一年一度的通訊錄外，沒有什麼其它活動。究其原因，當然是因為美國幅員廣大，會員散居各處，聚會不易之故。所以我以為本會要展開活動，一定要從區域性的着手。區域不宜畫得太大，應以本區會員能親身來出席經常性的聚會的距離為限。一個區域有四、五以上會員時即可成立分會。分會至少有三個好處：一是分會成為舉辦活動及吸收新會員的單元，比較活潑有效。二是外區有會員經過本會時，祇要和該區負責人聯絡即可安排聚會，三是總會得分會之助，和會員的聯絡可以加強。

為了鼓勵各地分會的成立，我建議總會在經濟上略為補助分會的活動，或每年選出活動辦得最好的分會予以表揚。一個社團存在的意義祇有藉它的活動來表現。希望統計協會是一條由無數活躍的小河匯成的巨流。

(附：紐約西區分會已成立，經過本區的會員請與筆者聯絡。我們特別希望波士頓分會能及早成立，以安排明年統計年會時本會活動。)

「應用統計叢書」草案

1. 小引. 1970-71年, 我在南港寫了一本講義「統計學」, 大體上是抄 E.L. Lehman 的書及他的 NOTES. 去年見到周元榮先生, 謂該講義已寫完, 向我說不願意好之變成一本書. 那時我心中頗有一些構想, 因此也真的坐下來寫了一章. 但寫了兩章之後, 就發現有莫難以生. 主要的困難是「寫給怎樣的人看?」因此這事就擱下筆了. 事情能未做好, 可是, 寫書的念頭始終揮之不去.

但是寫一本書的確太費時間了. 其間, 我跟好幾個朋友談起. 他們都比我聰明, 就都不肯試一下.

也許, 如果找對的人, 也許可以做一些. 或有志同道合的人多一真; 也許... 我現在又有一些想法, 或可跟大家談一談. 有興趣的朋友, 請和我連絡.

2. 構想. 一個人寫一本書, 固然是好的, 但會把這個人累死. (除非這書賺錢, 又立刻銷). 十個人寫一本書, 雖然好一些, 但銜接的困難一定很多. 我現在的構想是讓多人寫很多本, 每一本很薄的書.

給我 100-150 頁, 我或可寫 Binomial Dist. 說得夠好; 另一个人可能可以將回歸分析 (Regression) 交待清楚; 另一个人或可說拉丁平方陣... 等等.

我想國內目前可能不需要非常理論的東西. 這些書應該寫得讓非這做統計的人看得懂. 要有很

實用的例子. 要真的有用, 要印得好, 要賣得便宜, 要寫得好. 與其出一本大得去字典的書, 不如出許多本. 每一本講一個題目. 用一本講平常一本書中的一章, 深入淺出. 這樣, 這些書或可深入工廠. 到工程師的書架上. 讓營業部的經理, 車管處的科長... 都可能有以看看. 這樣, 也許才真的可以對中國的統計有所幫助.

3. 做法. 我以又時先聚十平個人, 先把「那本『書』」讀出結果, 組成一個小組, 經常連絡討論. 一開始, 有時就「有一本真一本」, 求好 (不是求教條的深, 而是求它是真的有用). 不求多. 有一真更實 (書少書少) 也及打緊. 因為每一冊都需要自成單元. 對心又要大. 錯了可以在第二版再改. 這樣, 可以逐漸發展成一套書. 以後, 不叫「叢書」, 叫「叢書會」. 在某種程度上, 我希望這套書可以作為「中國統計」的一塊基石.

因為書不是大塊頭, 作者可以另讀他最有心得的部分, 用有書的寫書而去寫書. 因此對作者而言, 負擔是不太重. 「應用統計叢書」也許是一個不堪的名字.

4. 錢財之部. 這些書, 大部分是在零錢錢的. 因此, 花在時間上, 對作者而言, 是一種對中國統計的

贡献。(不过作者至少要把名字印在封面上)。不常有书店有书来支持出版的。但政府机关就不一样。我们或可说服有关单位来支持这个计划。长远来看，利益也是有的。(1) 作者自己可以将之译为英文，在台北印了之后，反寄回美国。等我们“弄”有“真”钱时，再开始做这件事，以台行印刷来说，若能卖1000本，对作者言也就不是小补。(2) 这套书如果真好，说不定可以卖到日本、韩国也。也许过些年可以卖到中国大陆也未可知。谁知道？这套书能影响这样一个大国家，是多了不起的贡献！

5. 总结 杨照昆提出了“中国的”、“统计的”二字。我觉得这一些精想，在很多程度上，符合他的原则。“中国的”和“统计”都有其特有之风味。希望中国的技术人员，人人能懂得=把两次统计，则这贡献，比我们能存100个ASA, ZMS Fellow 要有意义得多。有兴趣的朋友，请和我联络。

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黄光明在CIE年会发表演讲 侯敏

年会N.J.分会会长黄光明是于十一月八日在纽约中国工程师学会年会中发表演讲，向工程界的朋友介绍统计学对解答工程问题的用途和价值以及年会的宗旨和组织。黄是并且表示本会愿和CIE以及其他团体携手合作，共为中国人谋福利。

黄光的演讲内容充实扼要，声调清楚动人，语气诚恳坚定，是CIE这次年会中最精彩的演讲，给听众留下了非常深刻的印象，为年会宣传史上留下光辉的一页。那天到会的贵宾李国鼎先生(中华民国财政部)和才贤育先生(电信局)以及许多与会人士都特地向黄致意。李先生在CIE年会晚餐中发表演说时，曾经二次提到黄光的演讲，可见黄光的演讲极为成功。

附记:

年会会长范一陵女士和笔者常向纽约中国工程师学会(CIE-NY)年年会负责人范一陵先生介绍年会的宗旨和组织，并且探讨学会间携手合作的可能性，以便发挥团结的力量。

经范先生和CIE-NY其他负责人商议之后，来信邀请年会推荐一位Speaker，在CIE年会中的Technical session中演讲，介绍统计学的应用价值及其对中国工业建设的重要性。

因为CIE给我们考虑的时间非常短促，无法广泛徵询会员的意见。经N.J.分会负责人黄光明、黄彦雄、许德吉、赵民德等商议的结果，决定接受CIE的建议，推荐黄光明为代表。黄光运用他的演讲的口才为年会宣传建功不小。

笔者愿为年会和其他中国团体多取得联系，进行合作，启发团结的力量和效率，共同为中国人谋福利。希望大家对这方面多发表意见，提供实际办法。

會員之聲

Suggestion: In the last several months many articles in 中央副刊 discussed how to design certain schemes which may help improve data processing of Chinese literature on the computer. I think this is mainly a statistical problem and appears to be very challenging to our fellow Chinese statisticians. Taking advantage of the knowledge in character-recognition techniques available in statistical literature and our familiarity with Chinese, we may develop some statistical procedures which are of decision-analysis type and are optimal in certain sense. Discussions of this subject should be encouraged among us. (許德安)

Why don't we have some kind of "get together" at the annual ASA meeting so that the members of this society can know each other.

(施彭文富)

每會員寫一小段工作心得(百字左右)使其他會員知道統計學有什麼用,學統計的可以做些什麼事以及混那一種飯吃。題目可包括①統計實際應用②統計研究較有發展的領域③學統計者的出路包括非真正統計工作④——(侯天放) [編:請會員投稿]

從國內的中文統計教科書編印來看,一本由這裏統計學會着手出版的中文統計教科書是有其必要的。同時對 Computer 應用在統計上的資料亦可包括在內。(黃遠新) [編:請參閱趙民德文]

Do not force members to submit further information than required for directory. Leave it optional. (鄭建國)

While your intentions are praiseworthy, your methods are somewhat highhanded. In protesting this highhandedness, I, therefore, am refraining from submitting any. (何燕暉) [編:祇是開玩笑,抱歉]

1. Suggest to have a meeting annually

a. Meeting place change each year so that people could have a chance to enhance friendships and enjoy themselves. This could:

b. Contact our members where they can help arrange business (Central office, say, Piscataway, NJ supply financial support - from membership fee, if not enough, raise the membership fee, but state the reason.) (那傑民)

*It is my hope that our society will have continual official contact with Chinese Statistical Society in Taiwan in order to help meet the need for statistical applications (or to promote it) in Taiwan. (高正雄) [編:請參閱本期 CIE MEETING 報導]

SUGGESTION CONCERNS OUR SOCIETY

A) TRY TO MAKE A FORMAT OF MEMBERSHIP APPLICATION FORM FOR NEW MEMBER OR OLD MEMBER TO APPLY EVERY YEAR OR EVERY OTHER YEAR. SEND A FEW COPIES TO EVERY MEMBER FOR RECRUITING NEW MEMBER. WE LIKE OUR SOCIETY TO BECOME A VOICE FOR CHINESE STATISTICIANS IN THE U.S. SOCIETY, SO TRY TO UNIT ALL CHINESE STATISTICIANS IN U.S.. IT'S REALLY A CHALLENGE.

B) TRY TO MAKE A NEWSLETTER EVERY FEW MONTHS FOR UP DATA NEWS OR INFORMATION FOR STATISTICIANS, OR JOB VACANCIES INFORMATION.

(林繁男) [編: Format of membership application 可用任何紙記錄下通訊錄上所需之資料及附上會費即可。Newsletter 今後將每年出三期,唯需會員投稿及供給消息。]

1.) Suggestions: It is probably difficult to publish a periodic journal by the Chinese Statistical Society in U. S.. However, if it is possible, it would be nice to issue quarterly or at least semiannually news letters by the Society concerning the Society's plans, members' activities, and gossips. (鄧品刻)

會員動態

My job here is to assure that the standard errors of NBS (national bureau of standards) are propagated throughout the nation. Please call me if you are in the vicinity of Washington D.C. (顧憲祥)

In addition to teaching and researching, I am currently participating as a statistical consultant in a NIH project on the "sudden Infant Death Syndrome". More specifically, we are trying to identify the possible neurophysiologic risk factors for the sudden infant death. Statistical work involves data analysis, analysis of variance, time series, etc.

1976 ASA annual meeting will be held at Boston. Please send me your suggestions how we get together and have a party. (李豐盛)

I am a staff of U.C.L.A., but now on leave for three years to the National Eye Institute. (阮芹)

I recently got interested in hijacking, earthquake and tornado. (許德安) [編: Just because you have watched a few movies?]

Busy. (徐燕 (許德安夫人)) [編: Yeah! These movies are long.]

I have been teaching my one year old daughter statistics. Ha! (施彭文富) [編: estimating the wetness of a diaper?]

A baby girl on May 12, 1975. Her name is Ellen. (張鴻圖)

I am still studying for Ph.D. (方思賢) [編: Wish the market is better when you are through.]

Full time statistician, part time student (M.B.A.), 1/4 time playmate of my son. Busy. (李作言)

新婚! (林光賢)

Busy for New Drug application. Give a talk in the Hoechst Statistical Symposium, U.S.A. (何亦樸)

I presented a paper "The Analysis of Qualitative Data from Toxicological Studies" at Annual Meeting in Atlanta, Ga. (葉超)

這次參加 Atlanta annual meeting, 的確遇到不少中國人。凡我遇到而確知是中國人的, 我都請他留下大名地址。現附上名單一份。(楊照崑) [編: 謝謝, 非常謝謝, 不少朋友是這樣聯絡上的]

Prof. W. Y. Tan resigned from Washington State Univ. to accept a new position as Prof. of Math. Sciences (His previous position was Assoc. Prof. of Math. at W.S.U.) and in May 1975, he was also offered a position as Prof. of Math. at Univ. of Windsor. Washington State tried very hard to keep Tan unsuccessful. Tan was also a consultant to the Dept Genetics, Univ. of Hawaii, during Summers of 73, 74, 75. (譚外元)

I spent my sabbatical leave (1974) at Institute of Math., Academia Sinica for one year. There is a great need of statistician both in teaching and consulting in Taiwan. Do hope more members to go back for six months, a year or longer (郁保羅) [編: 周元榮]

教授現正在中研院,刁錦寰教授及劉榮木會友
即將於十二月去台大經濟系

...弟於九月二十七日剛從台灣返美,---等將來
時間充裕時當願意談一談 Assoc. Editor of Annals 之
事。(林丕二) [編:林教授新任 Annals of Statistics 之副
編輯,趙民德會友邀請他談一談這件事,這是他回信中
的一段]

Will take a trip to Taiwan and Malaysia. (葉超)

I have planned to make a visit back to Taiwan in early
1976 (高正雄) [編:希望訪問台灣的會友彼此尚有一联系]

* My recent special activities in profession include (i) attended the annual
meeting at Atlanta, Georgia, (ii) gave an invited talk at
U.S. Army Natick Development Center, and (iii) to give an
invited talk at SUNY at Stony Brook. (高正雄)

Recent activities: I have recently written several papers on the subjects
of: changes of variance in stock prices; analysis of simulation-generated
dynamic responses; queuing dynamics; autocorrelated point processes;
earthquake stochastics; and analysis of U. S. aircraft hijacking data.

People interested in these subjects are welcome to contact with me. (許德安)

Attended the 1975 annual meeting of American Statistical Association
at Atlanta, Georgia, Sept. 24-28 and presented two papers. I was very
impressed that there were so many Chinese statisticians in the
convention. (施彭文富)

Recently tenured and promoted to assoc. prof. (楊照崑)

Served as Visiting Research Professor in the Department of Business
Administration at the National Taiwan University (during sabbatical
leave from U.S.C., January-August, 1975).

Appointed as Director of Doctoral Program (September, 1975) (林基源)

Meetings: Attended Virginia Academy of Science 1975 annual
meeting and participated discussion in Statistical
Section of the Academy.
Attended Southern Economic Association (in Atlanta)
1974 annual meeting (November 13-15, 1974).
Plan to attend 1975 annual meeting of the AIDS
(American Institute for Decision Sciences) in
Cincinnati, Ohio (November 5-7, 1975). Hope to
see some of you there. (邵品刺)

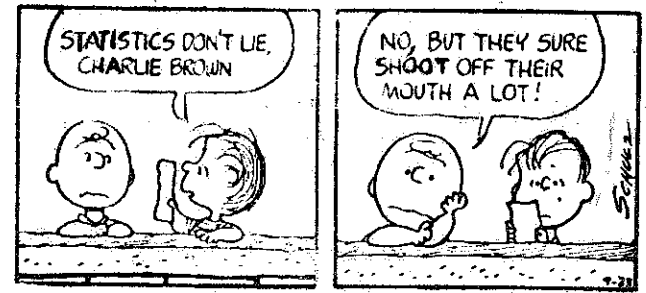
I have just completed a one-year leave of absence. During this
period several papers have been written jointly with T. C. Chang of
the University of Cincinnati and P. R. Krishnaiah of Wright-Patterson
Air Force Base.

I have been involved in Multivariate Analysis and the Dayton Chapter
of A.S.A. (李昭勝)

Appointed "University Professor" in March, 1975 (李景均)

Serve as reviewer for "Mathematical Review" (黃光明)

We have moved from Houston to Norman, OK. (李譚靜如)



(齊丕勇供稿)
鳴謝 楊昭崑: #15
謝 彭先恐: 10
捐 許德安徐燕: 10
款 黃達雄: 5

74-75在清華大學數學系任客座副教授。(陳達)

人和事

这学期除 teaching & research 外, 並負責 1976 年度 faculty recruiting 的工作。C.S.S. 的通訊以前似乎都沒有 job openings 方面的消息。在人浮於事的今天, 增列這方面的消息我想是很少要的。

Temple Univ. 共有五個 campus, 十個學院, 三萬多學生, 與 Penn. State, Pittsburgh 同屬於賓州 Commonwealth System of Higher Education。統計系位於費城 main campus, 設有 master 和 Ph.D. programs。目前有 faculty 十人, 研究員四十餘人。明年預算聘兩位 Asst. Professors. 不過同時也考慮 applications from well qualified candidates for high levels. 歡迎 C.S.S. 的 members 申請。Resumé 及 3 封 recommendation 送寄 Recruiting Committee Chairman, Dept. of Stat., Temple Univ., Phila., Pa. 19122.

(魏武雄)

Information: A Basic Engineering program is being established in the department of Civil Engineering at Princeton University. Students interested in pursuing their graduate studies in Engineering Statistics may contact the department chairman. (許德安)

Kansas State Univ. 統計系換了系主任。新系主任是 Dr. Art Dayton. (彭先恐)

The faculty and staff at the Univ. of Bridgeport were on strike for three days at the beginning of the fall semester. Now everything is back to normal. (張慶齊)

新加入名單
邵明林 David N Shao, 3, Helme Rd, Kingston, R.I. 02881.
Ph.D. Assoc. Prof., Dep't Industrial Eng., Univ of R.I.
黃曉麟 CHAU-Lin Huang, Operations Research Analyst, Penny Inc. 1301 American Ave., N.Y. 10019, Tel (212) 9576992.

會員近著

李景均

- 1) Li, C. C., S. Mazumdar, and B. R. Rao (1975) Partial correlation in terms of path coefficients. Amer. Stat. 29:89-90.
- 2) Li, C. C. (1975) Path Analysis - a primer. Boxwood Press, 183 Ocean View Blvd. Pacific Grove, Calif. 93950
- 3) Li, C. C. (1975) First Course in Population Genetics. The Boxwood Press, Pacific Grove, Calif. 93950

邱品烈

Publications: Mathematics for Management and Finance, published by South-Western Publishing Co., 1st Edition, 1962; 2nd Edition, 1969, 3rd Edition, 1974.

Statistics for Business and Economics, published by Charles E. Merrill Publishing Co. 1st Edition, 1967; 2nd Edition, 1972, 3rd Edition to be published in 1976.

Mathematics and Quantitative Methods for Business and Economics, to be published by South-Western Publishing Co., 1976.

林基源

- (a) Probability for Statistical Decision Making (with Park Ewart, James Ford), Prentice-Hall, 1974.
- (b) "Numerical Techniques for Evaluating Sample Information" TECHNOMETRICS, August, 1974.

李博志

1. The Demand for Canada - U.S. Long Distance Telephone Service, Bell Canada, June, 1975.
2. Income and Price Elasticities of Taiwan Import Demand, Industry of Free China, Feb. 1975.

邢傑民

1. Factors in the Allocation of Votes to Divisions and State Associations by Members of APA, (Published in the American Psychologist, May, 1975)
2. Present "Transformation of Both Criterion and Predictor Variables to a Simplified Regression Structure" in the American Educational Research Association in San Francisco, 1976 Convention.

黃光明

1. An inductive proof of a theorem of Gale. 中研院數學集刊(1975)
2. A generalized binomial group-testing problem. JASA (1975)
3. On Steiner minimal trees with rectilinear distance. SIAM J. Appl. Math (Jan 1976)
4. The Construction of z -balanced (n, k, λ) array. Pac. J. Math (accepted)
5. New Constructions for balanced Howell rotations. J. Comb. Thry (accepted)
6. On rearrangeable multistage connecting networks. Bell system Tech. J. (accepted)
7. Random factors of bipartite multigraphs. 中研院數學集刊 (accepted)
8. Rectilinear Steiner Trees: Efficient special-case algorithms. Networks (accepted)

陳達

1. Contingency tables with cross-classified data, Biometrics 30
2. Contingency tables with incompletely classified data, Biometrics (accepted)
3. 從統計的觀點談大學聯考, 科學月刊, 七十四年一月號

李昭勝

- Growth Curve Prediction (1972), Sankhya A, 34, 393-412 (with S. Geisser)
- Applications of Growth Curve Prediction, Sankhya, to appear (with S. Geisser)
- A Class of Non-Parametric Classification Rules (1975), in one chapter of Some Statistical Methods Useful in Oil Exploration (D. B. Owen, editor) (with K. C. Chanda).
- A Note on Equal-Mean Discrimination (1975), Communications in Statistics, 4, 251-254.
- On Covariance Structures (1975), Sankhya, to appear (with P. R. Krishnaiah)
- Optimal Choice of Data Restructuring Points, A.C.M. Transactions on Database System, to appear (with L. E. Winslow)

高正雄

Papers written within the past half year are

- (i) A Robust estimation method of maximum-likelihood type with order statistics.
- (ii) Testing hypothesis on location with number of linear boundary crossings of sample sums. (presented at Atlanta)
- (iii) Evaluation of burst probability for tubes in nuclear reactor

楊昭崑

1. "Secretary problem" J. Appl. Prob. (Sept. 1974)
2. "Interrecord times" J. Appl. Prob. (March 1975)

李正福

I
publications

- 1) "Functional Form and the Dividend Effect of the Electric Utility Industry," Journal of Finance, September 1976.
- 2) "The Capital Asset Pricing Model Expressed as a Recursive System: An Empirical Investigation," with W. P. Lloyd (no senior author), Journal of Financial and Quantitative Analysis, June 1976.
- 3) "A Note on the Interdependent Structure of Security Returns," Journal of Financial and Quantitative Analysis, March 1976.
- 4) "A Generalized Functional Form Approach to Investigate the Density Gradient and the Price Elasticity of Demand for Housing," with James B. Kau (no senior author), Urban Studies, 1976.
- 5) "Block Recursive Systems in Asset Pricing Models," with W. P. Lloyd (no senior author), Journal of Finance.
- 6) "On the Relationship between the Systematic Risk and the Investment Horizon," Journal of Financial and Quantitative Analysis.

IV
talks

- 7) "The Functional Form in Estimating the Density Gradient: An Empirical Investigation," with James B. Kau (no senior author), Journal of American Statistical Association.
- 8) "An Application of the Box-Jenkins ARIMA Model to Regional Economic Forecasting: Georgia as a Case Study," with John Legler (no senior author), Business and Economic Statistics Section, Proceedings of American Statistical Association, 1975.
- 9) "Recursive Systems in Security Valuation Models," with W. P. Lloyd (no senior author), Business and Economic Statistic Section, Proceedings of American Statistical Association, 1974, pp. 443-447.
- 1) "Three Different Estimation Methods when Variables Are Subject to Errors," paper presented in 1975 Third World Congress of the Econometric Society at Toronto.
- 2) "The Capital Asset Pricing Model Expressed as a Recursive System: An Empirical Investigation," with W. P. Lloyd, paper presented in 1974 Econometric Society Annual Meeting at San Francisco.
- 3) "Capital-Land Substitution and Urban Land Use," with James B. Kau, paper presented in 1975 Fifteenth European Congress Regional Science Association at Budapest, Hungary.
- 4) "Functional Form and the Dividend Effect of the Electric Utility Industry," paper to be presented in Financial Management Association Annual Meeting, October 1975.
- 5) "A Generalized Model for Capital Asset Pricing," paper presented in Financial Association Annual Meeting, October 1974.
- 6) "A Generalized Functional Form Approach to Investigate the Density Gradient and the Elasticity of Demand for Housing," with James B. Kau, Paper to be presented in North American Regional Science Association Annual Meeting, November 1975.
- 7) "Investment Horizon and the Functional Form of the Capital Asset Pricing Model: An Empirical Investigation," paper presented in Western Finance Association Annual Meeting, June 1975.
- 8) "Recursive Systems in Security Valuation Models," with W. P. Lloyd, paper presented in American Statistical Association Annual Meeting, August 1974.
- 9) "An Application of the Box-Jenkins ARIMA Model to Regional Economic Forecasting: Georgia as a Case Study," with John Legler, paper to be presented in American Statistical Association Annual Meeting, August 1975.
- 10) "Composite Performance Measures: An Empirical Investigation," paper presented in Western Economic Association Annual Meeting, June 1975.
- 11) "A Random Coefficient Model for Examining the Degree of Uncertainty in the Density Gradient," with James B. Kau, paper presented in Western Economic Association Annual Meeting, June 1975.
- 12) "Multivariate Regression Approach to Re-Examine the Dividend Effect of the Electric Utility Industry," paper to be presented in Southern Finance Association Annual Meeting, November 1975.
- 13) "Investigating the Structure of International Interest Rates Using Simultaneous Equation Models," with J. T. Severiens, paper to be presented in Southern Finance Association Annual Meeting, November 1975.
- 14) "Recursive Method to Estimate the Money Demand Function," with James B. Kau, paper to be presented in Southern Economic Association Annual Meeting, November 1975.

Open Problem (黄光明提供)

A single knockout tournament plan (abbreviated t.p.) can be represented by a rooted binary tree whose terminal nodes are labeled by the set of players. Fig. 1 shows a t.p. on 5 players where v_1, \dots, v_5 are the 5 terminal nodes.

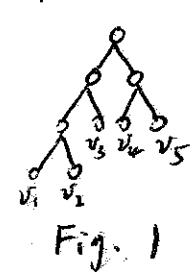


Fig. 1

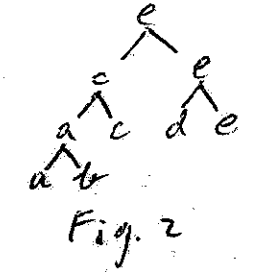


Fig. 2

Fig. 2 shows an actual tournament on the 5 players $\{a, b, c, d, e\}$ using the t.p. of Fig. 1. Thus the first two games are a vs b and d vs e

where a and e are the winners. The third game is a vs c where c wins. The fourth game is c vs e where e wins and becomes the winner of the tournament. Note that every player except e loses a game.

Let p_{ij} be the probability that player i beats player j in a game. Let T be a t.p. and m a mapping of players to terminal nodes. Then $P_i(T, m)$, the probability that player i wins the tournament under T and m can be computed. Let M be the set of all possible mappings, for example, if there are n players, then M has $n!$ elements. Then $P_i(T) = \frac{1}{n!} \sum_{m \in M} P_i(T, m)$ is the expected probability of player i to win the tournament using the t.p. T .

Let $\{s_1, \dots, s_n\}$ be a set of positive numbers where s_i can be interpreted as the strength of player i . Let p_{ij} be a function monotone nondecreasing in s_i and monotone nonincreasing in s_j . Prove that Conjecture. $s_i \geq s_j \Rightarrow P_i(T) \geq P_j(T)$ for any T .
The conjecture has been proved in the case that s_i is the largest in $\{s_1, \dots, s_n\}$.

OPEN PROBLEM (Prof. 黃奎生提供)

Let k_n be integers, $1 \leq k_n \leq n$. $f(x)$ measurable for $x \in [0, 1]$. If $\int_0^1 f(x) x^{k_n} (1-x)^{n-k_n} dx = 0$ for $n = m, m+1, m+2, \dots$, is it true that $f(x) = 0$ a.e.?

(For $m=1$ or 2 , the answer is yes.)

Remarks. 1. The problem is deceptively simple. (J.S. Huang's original remark)

2. It is. (added by M.T. CHAO)

3. The following lemma may be helpful.

Lemma: If $n_i > 0$ satisfy $\sum_{i=1}^{\infty} \frac{1}{n_i} = \infty$, then

$$\int_0^1 f(x) \cdot x^{n_i} dx = 0, \quad i=1, 2, \dots$$

implies $f(x) = 0$ a.e.

4. see Feller, Vol. 2, pp. 222-224.

[編: 會友對 Open problem 有興趣或有心得者, 請即原裝候者聯絡以取得合作。]

新春聚會

本會訂於 1976 年 2 月 7 日 (星期六) 下午二時假
 7 Fuller Ave. Piscataway, N.J. 08854 (黃光明寓)
 舉行聚會, 下午討論會務, 晚上參加中美文化協
 會在附近 Franklin township (十分鐘距離) 的晚餐
 舞會 (7:00 pm - 1:00 am)。十人一桌, 本會將視人數定
 下若干桌。會友亦可祇參加下午或晚上。能參加的會
 友請於 12 月 31 日前通知黃光明以便訂座及寄地圖。
 餐券每張 \$12.00 一人, 參加者請附寄 (遠地會友寄者可
 視排予附近會友家)

徵稿

1. 今年頗收了一些常費, 因此希望能在回到
 大家身上。計劃之一是多辦一二次通信。
 (No. 2, 3 當然不附通信錄)。

2. 通信需要稿件。舉凡和「中國的統計」有關
 的題目都在所歡迎。小題目可以小到
 「人求事」和「事求人」; 大題目可以大到
 「中國的統計向何處去」。中等的題目則
 最好是「我與這股龍爭, 可以對中國的統
 計發展作怎樣的貢獻」。

3. 為了省麻煩, 我的計劃用「打印」。來稿
 請用黑色的原子筆寫在潔白的紙上。
 (請注意: 黑白分明這是很重要。灰色的
 打字, 藍原子筆等, 打印的效果很差)
 請留上下左右至少一吋的 margin。

4. 我國尚無一有國際水準之統計雜誌。
 若果現在開始籌備, 二、三年內, 我們是否
 可以辦得出一個來? —— 若果沒有好
 題目, 我也願意聽你對這件事的意見。

編後

一. 接棒: 今年六月間, 刁錦寰教授經過紐澤西訪問周元榮教授, 周教授乃召集了一些附近的會友吃飯作陪。聚會間周教授換出了 Columbia 大學會友已辦了三年的通訊錄, 似乎應該退休了。當時在場的都定紐澤西會友, 左看右看實在無可退讓, 乃作「見及勇為」當仁不讓, 就接下了棒子。

二. 通訊錄: 最近几年来通訊錄上的名字雖未大減, 但很多資料似乎有了歷史性, 這次乃特請趙民德兄大刀濶斧整理門戶。一方面歸功於趙兄設計別出心裁的徵詢信及鏗而不合追蹤調查的技巧, 一方面感謝大部份會友的支持和幫忙, 使這次的徵詢得到意外的成功。雖然我們請除了一百多顆「死木」(地址錯誤被退信及歷年来從未回過信及繳(過會費者), 由于新會友的參加, 會友的數目並沒有減少而會費的收入却比三年前三倍。同時也剔除了每年花在這一百多「死木」上的郵資和精力。

三. 財務: 黃達雄會友報告今年會費共收入 \$380.00。去年繳來盈餘 \$55.00

我們的方針是取之于會友, 用之于會友。本期會刊及通訊錄因特殊的需要由「印刷裝訂及郵寄」剩下的錢準備再出兩次會刊。

四. 會刊: 預訂前四月出一期, 但主要的要看會友是否支持。如果你願意看到其他會友的消息和意見, 請你寄來你的一份。下一期在明年三月出刊。來稿請用「黑字」在 8x11 吋白紙上, 四邊留一吋半空, 單行, 行間不留空。

五. 分會: 請你聯絡, 組織及吸收在你附近的(準)會友成立分會, 然後把地區, 名單和聯絡人告訴我們, 並請把你們的活動寄給會刊刊登。統計學會有否大用處要看你願意它有多少。

六. 會務討論: 本期會刊上登了不少會友對會務的建議, 請大家閱讀後把你的意見告訴我們。聚會不少, 請你充分利用會刊做交流的媒介。你繳了會費, 你也有權利要求本會听取你的意見, 做一些你覺得值得做的事。我們有幸在此相交, 為什麼不所瞻相照, 各吐生平, 進而共做一番事業。

這次通信錄的編排, 有兩處原則性的改變, 我們在此希望能說明一下。

一. 自以前的「寧濶毋缺」到「寧缺毋濶」。因此我們用相當大的功夫來追查, 直接或間接的。同時我們也用相當大的魄力(估計成獨裁也可)來剔除非常不準確的地址。因此如果某人今年一再拒絕回信, 並且在前三年也一直拒絕回信, 則他的名字就剔除了。至於「失蹤」之類。反過來說, 我們相信今年的通信錄可能是自第一屆之後最準確的。

二. 會員的資料, 除了一向保留的會員調查表外, 另外又打成卡片。我們現在的 Data Base, 約有 2000 張卡片。

下面兩頁是失蹤會員的名單(自 1971 年起)。他們的地址, 因為反正不見得是對的, 我們就另抄上了。知道他以下落的朋友, 請來信通知我們。我想建設我們的財務, 對於幫助我們找回舊會員和找到新舊會友的朋友, 明年的減他的會費。

失去联络的会员名单

陳肇宏	黃森一	刘石禹	潘寿山	林得如
何鳳台	洪瑞敦	盧妮芳	歐美的	蔡惠寬
趙琦	林如森	盛其安	潘建村	吳翁美玲
Hu, Keng S	李誠輝	樂巧	王雅康	劉浚海
Hsu, Elmer	顧壽恩	毛君翔	朱寶賢	黃添榮
陳偉華	辜維志	彭寶森	何美音	廖致鴻
張宗浩	郭炳春	施文耀	黃震鏡	游登美
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陳俊六	勞長生	曾奮生	溫英軒	王學誠
陳俊龍	李王即	曾國政	林良區	何澄島
陳明敏	戴天波	王成到	錢越男	林仲彥
卓建青	李揚暉	王怡生	陸建龍	鄭隆賢
周一麟	李洪秀	吳建村	余松培	吳志芳
朱信明	林興讀	吳得民	楊憶	張哲夫
莊銀煌	林基濤	吳期牙	宋賢	韓劉山
陳興欽	林煌庭	李木煌	馬雪飛	黃運福
何耀欽	林益福	李金堂	程修x	金丹旭
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