

IAN FELLOWS

EDUCATION

2009 – Pres. University of California, Los Angeles Los Angeles, California
Pursuing a PhD in Statistics

2004 - 2006 San Diego State University San Diego, California
M.S. in Statistics with a concentration in Biostatistics

- Independently researched and completed a Masters thesis on the foundations of discrete testing that examined the mid p -value under different optimality criteria.
- Graduated with a GPA of 3.82 in my course of study.

1999 - 2003 University of Redlands Redlands, California
BA with an Emphasis in Mathematics and Philosophy

TECHNICAL WORK EXPERIENCE

Dec. 2009– Present Fellows Statistics
President / Lead Statistician

- Experienced, professional statistical advice and analysis for both the corporate and academic world.
- Full-service statistical assistance from study design, power analysis, and grant writing

May 2006– Dec. 2009 University of California, San Diego: Dept. of Psychiatry
Statistician

- Provided statistical consulting services for university researchers
- Implemented advanced statistical models and techniques such as Mixed Models and GEE.
- Wrote custom R software to meet researchers' needs.
- Taught an applied course in linear mixed models.

June 2005– May 2006 San Diego State University Research Foundation
And September 2004– January 2005

Data Analyst

- Coded custom hierarchical linear models in SAS; addressed issues of model selection and goodness of fit.
- Using SPSS, verified the consistency of surveys using factor analyses and Cronbach α ; Ran simple analyses such as ANOVA and MANOVA models.
- Wrote protocols for study implementation, and advised staff members on proper study procedures.

January 2005– May 2005

San Diego State University

Teaching Associate

- Sole instructor for two sections of business statistics (STAT 119).
- Explained difficult statistical concepts in a digestible manner.

July 2004– June 2005

Veterans Medical Research Foundation

Research Assistant

- Created and maintained MS Access recruitment databases.
- Contacted potential research subjects and explained study protocols.
- Built website (www.vacmr.org) for the Diabetes Research group.

PROGRAMMING

- R, S-plus, MATLAB, SAS (some), C\C++, Java, Python.
- SPSS, Minitab.

SOFTWARE

- Contributing Author to the R packages: [concord](#) and [irr](#)
 - Wrote the sample size calculator for Cohen's Kappa statistic.
- Provided a re-write of 'brunner.munzel.test' in the R package: [lawstat](#).
- Wrote a series of R functions to provide an easy to use interface to the optimal matching package "optmatch." Extended optmatch's functionality by implementing a greedy matching algorithm.
- Created poker playing programs INOT and Fell Omen in C++ and JAVA
 - INOT placed second in the AAAI'07 competition Fell Omen 2 placed second in AAAI'08
 - Both have been released as free software (GPL) and are available for download.
- [Deducer](#): A new graphical user interface for R.

POPULAR PRESS ARTICLES ON MY WORK

- *Rise of the Poker Bots*: San Diego Union Tribune, Front page. Aug. 12 2008
- *Artificially Intelligent Poker Pro Available for Download*: iTnews, Aug. 7 2008
- *Computer Poker Program Knows When to Hold'em*: Newswise, Aug. 5 2008

RESEARCH PAPERS

Fellows I., (2010). The Minimality of the Mid P-value under the Estimated Truth Framework, *Communications in Statistics: Theory and Methods*, 40(2):244-54

Fellows I., (2008). Pseudo-Optimal Solutions to Texas Hold'em Poker with Improved Chance Node Abstraction. (Technical Report UCSD)

- Vahia I., Depp C., Palmer B., Fellows I., Golshan S., Thompson W., Allison, M., Jeste, D. Correlates of spirituality in older women *Aging & Mental Health* Vol. 15, Iss. 1, 2010
- Fang D., Young C., Golshan S., Fellows I., Moutier C., Zisook S., Depression in Premedical Undergraduates: A Cross-Sectional Survey *Prim Care Companion, J Clin Psychiatry*. 2010; 12(6)
- Vahia, I. V., Palmer, B. W., Depp, C., Fellows, I., Golshan, S., Kraemer, H. C. and Jeste, D. V. (2010), Is late-onset schizophrenia a subtype of schizophrenia?. *Acta Psychiatrica Scandinavica*, 122: 414–426
- Kasckow J., Fellows I., Golshan S., Solorzano E., Meeks T., Zisook S., (2010). Treatment of Subsyndromal Depressive Symptoms in Middle-Age and Older Patients With Schizophrenia: Effect of Age on Response. *American Journal of Geriatric Psychiatry, Am J Geriatr Psychiatry*. 2010 September; 18(9): 853–857
- Kasckow J., Lanouette N., Patterson T., Fellows I., Golshan S., Solorzano E., Zisook S. (2010) Treatment of subsyndromal depressive symptoms in middle-aged and older adults with schizophrenia: effect on functioning. *International Journal of Geriatric Psychiatry International Journal of Geriatric Psychiatry*, Volume 25, Issue 2, pages 183–190
- Nyer M., Kasckow J., Fellows I., Lawrence E., Golshan S., Solorzano E., Zisook S., (2010). The relationship of marital status and clinical characteristics in middle aged and older patients with schizophrenia and depressive symptoms. *Clinical Schizophrenia and Related Psychoses Annals of Clinical Psychiatry* 2010;22(3):172-179
- Zisook S, Kasckow JW, Lanouette NM, Golshan S, Fellows I, Vahia I, Mohamed S, Rao S. (2010) Augmentation with citalopram for suicidal ideation in middle-aged and older outpatients with schizophrenia and schizoaffective disorder who have subthreshold depressive symptoms: a randomized controlled trial. *J Clin Psychiatry*. 2010 Jul;71(7):915-22. Epub 2010 Mar 9.
- Palmer B., Savla G., Fellows I., Twamley E., Jeste D., Lacro J., (2010). Do people with schizophrenia have differential impairment in episodic memory and/or working memory relative to other cognitive abilities? *Schizophrenia Research*, Volume 116, Issue 2, Pages 259-265
- Jeste D., Palmer B., Golshan S., Eyler L., Dunn L., Meeks T., Glorioso D., Fellows I., Kraemer H., Appelbaum P., (2009). Multimedia Consent for Research in People with Schizophrenia and Normal Subjects: A Randomized Controlled Trial, *Schizophrenia Bulletin* 35(4) 719-729
- Zisook S., Kasckow J., Golshan S., Fellows I., Solorzano E., Lehman D., Mohamed S., Jeste D., (2009). Citalopram Augmentation for Subsyndromal Depressive Symptoms in Middle-Aged and Older Patients with Schizophrenia and Schizoaffective Disorder: A Randomized Controlled Trial, *Journal of Clinical Psychiatry*, 70(4):562-71
- Jeste D., Jin H., Golshan S., Mudaliar S., Glorioso D., Fellows I., Kraemer H., Arndt S. (2009). Discontinuation of Quetiapine From an NIMH-Funded Trial Due to Serious Adverse Events *Am J Psychiatry* 2009 166: 937-938
- Folsom D., Depp C., Palmer B., Mausbach B., Golshan S., Fellows I., Cardenas V., Patterson T., Kraemer H., Jeste D., (2008) Physical and mental health-related quality of life among older people with schizophrenia, *Schizophrenia Research*, 108(1) 207-213

- Dunn L., Kim D., Fellows I., Palmer B., (2008). Worth the Risk? Relationship of Incentives to Risk and Benefit Perceptions and Willingness to Participate in Schizophrenia Research, Schizophrenia Bulletin. Schizophr Bull, 35 (4): 730-737
- Roseman A., Kasckow J., Fellows I., Osatuke K., Patterson T., Mohamed S., Zisook S., (2008). Insight, Quality of Life, and Functional Capacity in Middle-Aged and Older Adults with Schizophrenia, International Journal of Geriatric Psychiatry, 23: 760-765
- Zisook S., Montross L., Kasckow J., Mohamed S., Palmer B., Patterson T., Golshan S., Fellows I., Lehman D., Solorzano E., (2008). Subsyndromal Depressive Symptoms in Middle aged and Older Persons with Schizophrenia, American Journal of Geriatric Psychiatry 15:1005-1014
- Kasckow J., Patterson T., Fellows I., Golshan S., Solorzano E., Mohamed S., Zisook S., (2008). Functioning in Middle Aged and Older Patients with Schizophrenia and Depressive Symptoms: Relationship to Psychopathology, American Journal of Geriatric Psychiatry, 16: 660-663
- Fellows I., (2006). Partnerships Involving the Scientific Community in Elementary Schools (PISCES), a Randomized Controlled Crossover Study Implementing Inquiry Based Science in Elementary Classrooms: 2003-04, 2004-05 Combined Report, Technical Report, SDSU

TALKS AND PRESENTATIONS

- The Mid- p : Optimality Under Neyman-Pearson and Estimated Truth Testing Paradigms. Talk, American Statistical Association One-day Conference. 11/17/06 [Link](#)
- Linear Mixed Models: An Introductory Tutorial. Five part lecture series. University of California, San Diego; Department of Psychiatry. 11/07 [Link](#)
- Deducer: A Data Analysis GUI for everyone. UCLA Seminar 01/10
- Deducer: A Graphical user interface for everyone. UseR! 2010, Gaithersburg, Maryland

HONORS AND ACHIEVEMENTS

- Recipient of NSF Merit Travel Award (to New Zealand), Spring 2007.
- Recipient of a PISCES Data Analyst Fellowship, NSF DUE-0139378 (2004-2006)
- Second Place 2007 and 2008 AAAI Computer Poker Competition
- Full UCLA Graduate Fellowship Grant 2009-2010
- Google Summer of Code recipient (2010)
- Google Summer of Code mentor (2011)
- Winner of the John M. Chambers Statistical Software Award (2011)

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- Statistics faculty search committee {SDSU} Spring 2006
- Biostatistics faculty search committee {SDSU} Spring 2006
- Member, American Statistical Association
- Attendee, Directions in Statistical Computing Conference. Auckland, NZ
- Member, Los Angeles R User Group