

# Jimmy A. Doi

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## I. BACKGROUND

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### A. Degrees

- July 2003      Ph.D., Statistics, North Carolina State University (NCSU)  
Advisor: Dr. Roger L. Berger  
Topic: Comparison of Exact Unconditional Methods for the Difference of Two Binomial Proportions
- May 1998      Master of Statistics, North Carolina State University
- December 1995    B.A., Mathematics (Pure Option), Calif. State University, Northridge (CSUN)  
Minor in Biology, Chemistry, and Japanese  
Honors in General Education
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### B. Experience Since Ph.D.

- Sept 2009 – Present      **Associate Professor**  
Statistics Department  
California Polytechnic State University , San Luis Obispo, CA
- Sept 2003 – Sept 2009    **Assistant Professor**  
Statistics Department  
California Polytechnic State University , San Luis Obispo, CA
- Aug 2003 – Aug 2004    **Project NExT Fellow**  
Mathematical Association of America,  
American Statistical Association

Project NExT (**N**ew **E**xperiences in **T**eaching) fellows are new or recent Ph.D.s in the mathematical sciences interested in improving the teaching and learning of mathematics & statistics.

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## II. TEACHING RELATED ACTIVITIES

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### A. Courses Taught

- Stat 130 **Introduction to Statistical Reasoning**  
2003 (Fall), 2005 (Fall), 2006 (Winter), 2008 (Fall),  
2010 (Fall), 2011 (Fall)
- Stat 150 **Introduction to Statistical Investigations**  
2008 (Fall), 2009 (Fall), 2010 (Fall), 2011 (Fall)
- Stat 217 **Introduction to Statistical Concepts and Methods**  
2003 (Fall), 2004 (Winter, Spring), 2005 (Winter, Spring, Summer),  
2008 (Spring)
- Stat 218 **Applied Statistics for the Life Sciences**  
2007 (Fall), 2008 (Fall), 2009 (Fall)
- Stat 312 **Statistical Methods for Engineers**  
2004 (Spring, Fall), 2005 (Spring, Summer), 2007 (Winter, Spring),  
2008 (Winter, Spring), 2009 (Spring), 2010 (Winter, Spring),  
2011 (Winter, Spring)
- Stat 321 **Probability and Statistics for Engineers and Scientists**  
2004 (Winter, Fall), 2005 (Spring)
- Stat 322 **Statistical Analysis for Engineers and Scientists**  
2005 (Fall), 2006 (Spring)
- Stat 330 **Statistical Computing I: SAS**  
2005 (Winter), 2006 (Winter, Fall), 2007 (Fall)
- Stat 418 **Analysis of Cross-Classified Data**  
2009 (Winter), 2010 (Winter), 2011 (Winter)

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### B. Contributions to Curriculum/Course Coordination

- 2003 – Present Course Coordinator for Stat 130  
2009 – Present Course Coordinator for Stat 312  
2006 – 2009 Course Coordinator for Stat 321

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### C. Senior Projects or Student Research Supervised

**Under Associate Professor Rank**

2010-11

- **Senior Project: Tyler Diestel**  
“*Advanced Topics from An Introduction to Categorical Data Analysis*”

## Under Assistant Professor Rank

2007-08

- **Senior Project: Justin Replogle**  
(Co-Advisor with Heather Smith and Dr. Jeff Sklar)  
*“Statistical Consultant Experience”*
- **Senior Project: John Meisse**  
*“SAS Programmer and Data Analyst with Farmer’s Insurance (Summer Internship) and An Introduction to Generalized Linear Models”*
- **2007 Summer Research: John Meisse**  
*“Investigation of Mid-P-value Based Confidence Intervals for a Binomial Proportion”*

2006-07

- **Senior Project: Patrick Harrington**  
*“Comparison of Exact Confidence Interval Methods for a Binomial Proportion”*
  - Patrick later presented his work at the 2007 COSAM Student Research Conference
- **Senior Project: Hagen Von Massenbach**  
(Co-Advisor with Dr. John Walker)  
*“Linear Regression Hypothesis Testing in the Presence of Non-Normal Errors”*

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### III. PROFESSIONAL GROWTH AND DEVELOPMENT ACTIVITIES

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#### A. Scholarly Activities Completed/Ongoing

##### JOURNAL PUBLICATIONS

## Under Assistant Professor Rank

1. Ohyama, T., Doi, J., and Yanagawa, T. (2008) “Estimating Population Characteristics by Incorporating Prior Values in Stratified Random Sampling/Ranked Set Sampling”. *Journal of Statistical Planning and Inference*, 138, 4021 - 4032.

The Journal of Statistical Planning and Inference is peer reviewed. It is a high level and well respected journal in statistics. This paper was formally accepted in March 2008.

- This work began during my one week visit to Dr. Yanagawa in March 2005. Dr. Yanagawa is Director of the Biostatistics Program at Kurume University located in Kurume, Japan. This research project involves new work unrelated to my doctoral dissertation. I contributed by helping in the development of the theoretical approach and also providing simulation results.

2. Curtzwiler, G, Singh, J., Miltz, J., Doi, J., and Vorst, K. (2008) “Characterization and Compression Properties of Injection Molded Carbon Nanotube Composites”. *Journal of Applied Polymer Science*, 109, 218 -225

The Journal of Applied Polymer Science is peer reviewed. According to co-author Dr. Vorst, this journal is well respected and is considered to be one of the top tier journals in polymer science. The paper was formally accepted in February 2008.

- In summer 2007 I served as statistical consultant for a data analysis project led by Dr. Vorst and Cal Poly undergraduate student Greg Curtzwiler. I was responsible for the statistical analyses. Later in the year we submitted a manuscript for this work to the Journal of Applied Polymer Science. I wrote all relevant statistical analysis sections of the paper. Drs. Vorst and Singh are from Cal Poly Industrial Technology and Dr. Miltz is from Technion-Israel Institute of Technology, Dept. of Biotechnology and Food Engineering.

## CONFERENCE PUBLICATIONS

### Under Assistant Professor Rank

1. Doi, J. and Berger, R. L. (2003) “Exact confidence intervals for the difference of two binomial proportions.” *Proceedings of the Biopharmaceutical Section of the American Statistical Association*, 1256 – 1263.
  - This work was completed during the Ph.D. thesis. The article appears in the proceedings of the 2003 Joint Statistical Meetings. The co-author, Dr. Roger Berger, was my Ph.D. advisor. He is currently at Arizona State University.

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## MANUSCRIPTS

### Under Associate Professor Rank

1. Schilling, M., and Doi, J. “The One Sample Binomial Confidence Interval Problem: A Coverage Probability Function Perspective” (*Manuscript **COMPLETED**, submitted to Statistical Science in September 2011.*)
  - I contributed to the development of the underlying theory of the paper, performed almost all of the required computational work, and was actively involved in the writing of the manuscript.
2. Berner, L., and Doi, J. “Characterization of Dietary Protein Among Adults in the US: Amount, Animal Sources, and Meal Patterns” (*Currently in final revision stage, to be submitted to The Journal of Nutrition by November 2011.*)
  - This work is based on the grant work I have been doing with Dr. Louise Berner. I will be responsible for the statistical analyses. I will write all relevant statistical analysis sections of the paper.

3. Geringer, M., Frayne, C., Doi, J., and McGaughey, K. “Effectiveness of Individual Self-Management Training Techniques for Improving Employee Performance” (*In preparation for submission to The Journal of Applied Psychology by December 2011.*)
    - This work is based on the consulting work I have been doing with Dr. Geringer and Dr. Frayne. I will be responsible for the statistical analyses. I will write all relevant statistical analysis sections of the paper.
  4. Doi, J. and Berger, R. L. “Exact confidence intervals for the difference of two binomial proportions.” (*In preparation for submission to refereed journal.*)
    - This work is mainly based on my doctoral dissertation. I anticipate returning to this project in the near future. This manuscript may eventually include new work to be performed after arriving at Cal Poly.
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## EDUCATIONAL MATERIALS

### **Under Associate Professor Rank**

#### TEXTBOOK

1. Devore, J., Farnum, N., Doi, J. (2013). *Applied Statistics for Engineers and Scientists*, 3<sup>rd</sup> ed. Belmont, CA: Thomson Brooks/Cole.
    - I have recently accepted the invitation to serve as third author on this highly successful book written by Jay Devore and Nick Farnum. I have used this book exclusively for all Stat 312 sections I have taught. We intend to update various portions of the book with new material and provide updated exercises and examples. We anticipate 2013 as the publication date.
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## ARTICLES

### **Under Assistant Professor Rank**

1. Doi, J. (2005) “Statistics Research Opportunities Abound in Japan.” *Amstat News*, Nov 2005, Issue #341.
  - *Amstat News* is the monthly membership magazine of American Statistical Association. I was asked to contribute to their ongoing article series on ‘International News’.
2. Berger, R. L., and Doi, J. (2001) “Letter to the Editor” on “Letter to the Editor” by Lehr (2000, *The American Statistician*). *The American Statistician*, **55**, 373 – 374.

3. Doi, J. (1999) "Comment on Three Statistical Business Simulations." *Journal of Statistics Education* [Online], 7(1).  
(<http://www.amstat.org/publications/jse/contents99.cfm#april>).
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## CONSULTING

### Under Assistant Professor Rank

<b>Clients:</b>	Cal Poly Faculty and Undergraduate/Graduate Students
<b>Period:</b>	Winter 2008
<b>Contribution:</b>	I served as departmental consultant for the first time this term. I had a total of ten clients. Due to my ongoing research projects with other Cal Poly faculty, I was not able to accept the additional collaborative opportunities that were made available through the consulting experience. It was an incredible learning experience and, though I will not be serving as consultant during the 2008–09 year, I hope to sit in on as many consulting sessions as possible to increase exposure to different problems and challenges.

<b>Clients:</b>	Dr. Michael Geringer, Dr. Colette Frayne (both from Cal Poly Dept. of Management)
<b>Period:</b>	Fall 2007 – Present
<b>Contribution:</b>	I have been working with Dr. Geringer and Dr. Frayne in their study of the effectiveness of individual self-management training techniques for improving employee performance. I am in the process of analyzing their data using multivariate techniques such as canonical correlation and factor analysis using the SAS software. Our work is drawing to a close and I will write the statistical analysis section of the joint paper we will be submitting to the <i>Journal of Applied Psychology</i> , considered to be a high-tier journal in their discipline.

**Clients:** Dr. Louise Berner (Cal Poly Dept. of Food Science and Nutrition)  
**Period:** Fall 2007 – Fall 2010  
**Contribution:** I agreed to join Dr. Berner in a multi-year study of protein intakes in adults and to look at associations of protein intakes with anthropometric and physical functioning measures. The data source is the most-recently available National Health and Nutrition Examination Survey (NHANES). Dr. Berner wrote a grant to support this research and set aside a line item to hire a statistician. I have been serving in that role.

**[Phase 1: July 2007 - December 2008]** Dr. Berner recruited her master's student Priya Prakash for this initial phase. Dr. Berner also wanted to recruit a statistics undergraduate to perform analyses using the SAS statistical software. I asked statistics major Gabe Becker to perform this task. During much of this period, Gabe spent a considerable amount of time cleaning the 2003-04 NHANES data and wrote complex SAS code to make the datasets ready for analysis. It was a difficult and non-trivial task. Once completed, we used SAS and the weighted regression software SUDAAN to create predictive models of protein based on various explanatory factors such as age, ethnicity, and meal pattern. We are reaching the end of this initial phase and we intend to submit our findings to the Journal of Nutrition by early 2009. According to Berner, this journal is well respected and is considered to be one of the top tier journals in nutrition. Including Dr. Berner and myself, both Priya Prakash and Gabe Becker will be listed as co-authors.

**[Phase 2: December 2008 - June 2009]** Dr. Berner has recruited her master's student Kerri Parker for this second phase. Gabe Becker has already graduated so I have recruited statistics major Maxwell Wise to serve as the SAS programmer. We will be performing the same analyses as in Phase 1, but based on the recently released 2005-06 NHANES data. In this phase, we may also consider any remaining research questions Priya may not be able to address by the time Phase 1 ends in December 2008.

<b>Clients:</b>	Greg Curtzwiler (Cal Poly Dept. of Chemistry), Dr. Jay Singh, Dr. Keith Vorst (both from Cal Poly Dept. of Industrial Technology), Dr. Joseph Miltz (Technion-Israel Institute of Technology, Dept. of Biotechnology and Food Engineering)
<b>Period:</b>	Spring 2007 – Summer 2007
<b>Contribution:</b>	Provided analysis of carbon nanotube data obtained from Curtzwiler and Vorst. Also wrote the statistical analysis section in the joint paper submitted to <i>Journal of Applied Polymer Science</i> , considered to be a high-tier journal in their discipline. The paper was formally accepted in 2008.

<b>Clients:</b>	Dr. Keith Vorst, Dr. Jay Singh, Dr. Eric Olsen (all from Cal Poly Dept. of Industrial Technology), Dr. Elliot Ryser (Michigan Stat Univ., Dept. of Food Science and Human Nutrition)
<b>Period:</b>	Fall 2006 – 2008
<b>Contribution:</b>	Helped write a grant for a study on predictive growth models for <i>Escherichia Coli</i> on fresh cut produce during transport and cold chain distribution. This grant was submitted to the US Department of Agriculture. This grant was submitted in January 2007 and I contributed by writing all sections related to the data analysis and experimental design.
	<p>This grant was not initially supported. The reviewers recommended that we resubmit the grant during the next cycle and use the traditional differential equation models that are popularly used in their field. Given that I am not a differential equations expert, I sought a replacement from the math department. Dr. Al Jimenez expressed interest in taking my place and I withdrew so that the group can maximize its chances of successful funding in the next cycle. I did, however, gain valuable experience through the planning stages of this project and also from the grant writing experience as well.</p>

## REFEREEING

### **Under Assistant Professor Rank**

- Dec 2005 “Teaching Multivariate Statistics in Graduate Courses with a Heterogeneous Audience”, *International Conference on Teaching Statistics 7*
- Dec 2005 “Statistical Graphs and Experimental Data”, *International Conference on Teaching Statistics 7*
- Dec 2005 “The Use of Advanced Visual Tools for Commuter European Data”, *International Conference on Teaching Statistics 7*
- Jun 2005 “Improved p-value tests for comparing two independent binomial proportions”, *Journal of Statistical Planning and Inference*
- Apr 2005 “The Relative  $R^2$ , Regression Through the Origin, and Weighted Least Squares”, *The American Statistician*
- Feb 2004 “Monte Carlo Power Calculations for a K-Sample Rank Test Under the Lehmann Alternative”, *The American Statistician*

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## BOOK REVIEW

### **Under Assistant Professor Rank**

- Jul 2008 *Basic Statistics Using SAS Enterprise Guide: A Primer*, Geoff Der and Brian S. Everitt. First Edition. Cary, NC: SAS Institute, Inc., 2007  
Review to appear in *The American Statistician*
- Dec 2007 *Statistics: Concepts and Controversies*, David Moore and William Notz. Seventh Edition. NY, NY: W. H. Freeman and Co., 2009
- Jul 2006 *Biostatistics*, Wetstone.

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## PRESENTATIONS

### **Under Associate Professor Rank**

#### **External Presentation**

1. *This is How We Do It: Teaching SAS in the Cal Poly Statistics Department*. Ottesen, R., Doi, J., Lund, U., and McGaughey, K. Contributed paper. Western Users of SAS Software Annual Meetings, October 2011, San Francisco, CA. (*Presented by J. Doi*)
2. *Dietary protein intake among adults in the United States and its relationship to select body composition measures* Parker, K., Berner, L., and Doi, J. Poster. Experimental Biology Annual Meeting, April 2010, Anaheim, CA. (*Presented by K. Parker*)
  - Abstract available at Federation of American Societies for Experimental Biology Journal, 2010 24:944.3

3. *Characterization of protein intakes in older adults in the US* Berner, L., Prakash, P., Becker, G., and Doi, J. Poster. Experimental Biology Annual Meeting, April 2009, New Orleans, LA. (*Presented by P. Prakash*)
  - Abstract available at Federation of American Societies for Experimental Biology Journal, 2009 23:548.1
4. *How Effective Are Normality Tests at Detecting Violations of the Least Squares Regression Assumptions?* Walker, J., Doi, J., Wang, H. Contributed paper. Joint Statistical Meetings, August 2010, Vancouver, British Columbia. (*Presented by J. Walker*)

### Under Assistant Professor Rank

#### External Presentation

1. *Estimating Population Characteristics by Incorporating Prior Values in Stratified Random Sampling/Ranked Set Sampling* Ohyama, T., Doi, J., and Yanagawa, T. Contributed paper. Joint Statistical Meetings, August 2007, Salt Lake City, UT. (*Presented by T. Ohyama*)
2. *Costs and Benefits of ASA Membership: Student/New Faculty Perspective.* Invited Panelist. Joint Statistical Meetings, August 2005, Minneapolis, MN.
3. *Beyond the Ranked Set Sampling.* Yanagawa, T. and Doi, J. International Statistical Institute Conference, April 2005, Sydney, Australia. (*Presented by Dr. Takashi Yanagawa*)
  - This research project involves new work unrelated to my doctoral dissertation. This was an invited talk at the 2005 International Statistical Institute Conference in Sydney, Australia.
4. *Exact Unconditional Methods for the Difference of Proportions.* Invited talk. North Carolina State University Statistics Seminar, November 2004, Raleigh, NC.
  - This talk was based on work related to my doctoral dissertation.
5. *Perspectives from Academics and Industry.* Invited talk. North Carolina State University Statistics Department, November 2004, Raleigh, NC.
  - This was an informal talk given to graduate students at NC State's Statistics Department.

The following talks were all based on work related to my doctoral dissertation.

6. *Introduction to exact confidence interval for binomial proportions.* Invited talk. Cal State Northridge Mathematics Colloquium, March 2004, Northridge, CA.
7. *Comparison of unconditional exact methods for testing the difference of independent binomial proportions.* Invited talk. UC Santa Barbara Statistics Seminar, October 2003, Santa Barbara, CA.

8. *Comparison of unconditional exact methods for testing the difference of independent binomial proportions.* Invited talk. Institute of Statistical Mathematics Statistics Seminar, September 2003, Tokyo, Japan.
9. *Comparison of unconditional exact methods for testing the difference of independent binomial proportions.* Invited talk. Kyushu University Mathematics/Statistics Seminar, August 2003, Fukuoka, Japan.
10. *Exact confidence intervals for the difference of two binomial proportions.* Contributed paper. Joint Statistical Meetings, August 2003, San Francisco, CA.

## CONFERENCES

### **Under Associate Professor Rank**

1. 2011 Western Users of SAS Software Annual Meetings, San Francisco, CA.
  - Presentation during contributed paper session (see PRESENTATIONS)

### **Under Assistant Professor Rank**

1. 2007 Joint Statistical Meetings, Salt Lake City, UT.
  - Presentation during contributed paper session (see PRESENTATIONS)
2. 2005 Joint Statistical Meetings, Minneapolis, MN.
  - Presentation during invited session (see PRESENTATIONS).
3. 2003 Joint Statistical Meetings, San Francisco, CA.
  - Presentation during contributed paper session (see PRESENTATIONS)

## **B. Participation in Professional Associations and Organizations**

- American Statistical Association
  - International Biometric Society (ENAR)
  - International Biometric Society (WNAR)
  - Project NExT
  - Section NExT (Southern California)
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## C. Grants and Contracts

### Under Assistant Professor Rank

<b>Project Title:</b>	Predictive Growth Models for <i>Escherichia Coli</i> O157:H7 on Fresh Cut Produce During Transport and Cold Chain Distribution
<b>Project Director:</b>	Dr. Keith Vorst, Cal Poly Dept. of Industrial Technology
<b>Collaborators:</b>	Dr. Jay Singh, Cal Poly Dept. of Industrial Technology Dr. Eric Olsen, Cal Poly Dept. of Industrial Technology Dr. Elliot Ryser, Michigan Stat Univ. Dept. of Food Science and Human Nutrition Dr. Jimmy Doi, Cal Poly Dept. of Statistics Department
<b>Students:</b>	Graduate students will be recruited to assist in the data collection
<b>Timeframe:</b>	July 1, 2008 - December 31, 2011
<b>Funding Sources:</b>	Total \$450,000 US Department of Agriculture.
<b>Grant Status:</b>	Grant submitted 1/1/2007. Reviewers recommended a resubmission during the next cycle. To address the need for a differential equations expert on this project, I asked math faculty member Dr. Al Jimenez to take my place on this project.

### Awarded Under Assistant Professor Rank, Work Completed Under Associate Professor Rank

<b>Project Title:</b>	Characterization of Protein Intakes Among Older Adults in the US: Quantity, Meal Patterns, Food Sources, Predictors of Adequacy, and Relationship to Anthropometric & Physical Functioning Measures
<b>Project Director:</b>	Dr. Louise A. Berner, Cal Poly Dept. of Food Science and Nutrition
<b>Collaborator:</b>	Dr. Jimmy Doi, Cal Poly Dept. of Statistics
<b>Students:</b>	Graduate Student Priya Prakash (Food Science) Undergraduate Student Gabe Becker (Math/Stat)
<b>Timeframe:</b>	July 1, 2007 - September 30, 2010
<b>Funding Sources:</b>	Total \$162,299 CSU Agricultural Research Initiative \$74,763; Dairy Council of CA \$44,127; National Cattlemen's Beef Association \$43,409.
<b>Grant Status:</b>	Approved

## D. Honors

### **Under Associate Professor Rank**

- 2011 Finalist for Distinguished Teaching Award, Cal Poly San Luis Obispo
- 2010 Finalist for Distinguished Teaching Award, Cal Poly San Luis Obispo

### **Prior to Associate Professor Rank**

- 2005 Nominated for Elected Membership to the International Statistical Institute
- 2003 2003/04 American Statistical Association Project NExT Fellow
- 2003 Outstanding Teaching Assistant Award, Universitywide, NCSU
- 2003 Outstanding Teaching Assistant Award, Dept. of Statistics, NCSU
- 2002 Outstanding Teaching Assistant Award, Universitywide, NCSU
- 2002 Outstanding Teaching Assistant Award, Dept. of Statistics, NCSU
- 2001 Outstanding Teaching Assistant Award, Universitywide, NCSU
- 2001 Outstanding Teaching Assistant Award, Dept. of Statistics, NCSU
- 2001 Paige Plagge Graduate Award for Citizenship, Dept. of Statistics, NCSU
- 2001 Nat'l Science Foundation VIGRE Graduate Fellow, Dept. of Statistics, NCSU
- 2001 So. Regional Council On Statistics Summer Research Conference Travel Award
- 2000 2000/01 Preparing the Professoriate Program, NCSU
- 2000 National Science Foundation Monbusho Summer Program in Japan
- 2000 2000/01 Graduate Student Fellow, NCSU Hewlett Initiative Program
- 1999 Calif. State Univ. Forgivable Loan/Doctoral Incentive Program
- 1999 Paige Plagge Graduate Award for Citizenship, Dept. of Statistics, NCSU
- 1999 Gamma Sigma Delta Agriculture Honor Society, NCSU
- 1998 Mu Sigma Rho Statistics Honor Society, NCSU
- 1998 Mendenhall Teaching Scholar Fellow, Dept. of Statistics, NCSU
- 1996 Outstanding Instructor Award, Dev. Math Program, Math Dept., CSUN

## IV. SERVICE

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### A. University Service

#### **Under Associate Professor Rank**

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|----------------|--|
| 2010 – 2011    | Local Organizer and Main Coordinator for 2011 WNAR/IMS Biostatistics Conference held at Cal Poly   |
| 2010 – Present | Member, Cal Poly Diversity Coalition   |
| January 2011   | Participated in panel discussion “A Panel of Cal Poly Faculty” hosted by Campus Crusade for Christ at Mountain Brook Church<br>Audio File: <a href="https://itunes.apple.com/podcast/slo-crusade/id337947386">itunes.apple.com/podcast/slo-crusade/id337947386</a> |
| 2010 – Present | Advisor, Cal Poly EPIC, the Asian American ministry of Campus Crusade for Christ   |
| 2010 – Present | Advisor, Cal Poly Japanese Cultural Exchange   |
| 2009 – Present | Executive Planning Committee Member, Cal Poly Asian Pacific Islander Faculty/Staff Association   |

#### **Under Assistant Professor Rank**

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| 2005 – 09      | Member, Faculty Affairs Committee                                  |
| 2004 – Present | Member, Japanese Cultural Exchange and Japanese Conversation Group |

## B. Department Service

### Under Associate Professor Rank

2010 – 2011	Local Organizer and Main Coordinator for 2011 WNAR/IMS Biostatistics Conference held at Cal Poly
2009 – 2010	Committee Member for Master's Student Kerri Parker
2009 – Present	Annual Presentation: Preparing for Statistics Graduate School

**From Below**    **Include any ongoing service (to 'Present', see below) for additional service to be filed under Associate Professor Rank**

### Under Assistant Professor Rank

2007 – 2009	Committee Member for Master's Student Priya Prakash
2007 – 2008	Annual Presentation: Preparing for Statistics Graduate School
2007 – Present	Chair, Assessment Group #5
2007 – Present	Member, Assessment Group #8
Winter 2007	Access to Excellence, Domain 2 Member
Feb 2007	College Partner School Presentation
2005 – Present	Kennedy Library Departmental Liaison
2004 – 2008	Annual Presentation: Introduction to L <sup>A</sup> T <sub>E</sub> X and Beamer
2004 – 2008	Advisor, Mu Sigma Rho Statistics Honor Society
2004 – 2008	Advisor, Statistics Club
2003 – Present	Committee on High School Recruitment
2003 – Present	Course Coordinator for Stat 130
2009 – Present	Course Coordinator for Stat 312
2006 – 2009	Course Coordinator for Stat 321/322

- **[University Events]:** Regularly attend fall conference and have attended almost all winter/spring commencement ceremonies. I have attended almost all COSAM Honors Banquets.
- **[Department Events]:** I attend all department related colloquia and often help in the organization of department events.

- **[Workshops]:** There have been two workshops I have given on a regular basis over the years. To dispel any concerns, I'd like to mention that these workshops were not created due to any suggestive pressures I may have received from senior colleagues and/or members from administration. I offer these workshops voluntarily and, most importantly, because students have expressed an interest in them.

1. (2004 - 2008) Introduction to L<sup>A</sup>T<sub>E</sub>X and Beamer

This talk was given once, and sometimes twice, every academic year. It is an introduction to the L<sup>A</sup>T<sub>E</sub>X typesetting software and also the related Beamer application that facilitates PowerPoint like presentations using the L<sup>A</sup>T<sub>E</sub>X environment.

2. (2007 - Present) Preparing for Statistics Graduate School

This talk is given every spring quarter. I provide guidelines on the application process and what to expect during graduate school.

- Over the years I have tried to connect on a personal level with faculty and students. Here are two activities I initiated that relate to this effort:

1. (2004 - Present) Weekly Basketball Games

While teaching summer school in 2004, I formed a small basketball group containing current/former students and we met every Friday at the gym. We've continued playing every week and now the group email list has grown to about 75 students. Of course, not everyone shows up every week, but we usually have 10 to 15 "regulars". Some faculty members have joined our games from time to time as well. I've found that the camaraderie built through sports is simply incredible and I've gotten to know many students (and faculty) on a very personal level. For current students who play in our group, this has made an obvious impact in the classroom as it allows them to feel more at ease and ask more questions.

2. (2004 - Present) Japanese Conversation Group

In coordination with the Japanese language instructor at Cal Poly, I have been active with a Japanese Conversation Group I helped form and maintain. Through this group, I have been able to interact with many Japanese exchange students and Japanese speaking faculty. Many foreign students (esp. Asians) find themselves quite isolated at Cal Poly and in SLO, but through this group, we have been successful in reaching out to many of these students and in easing their transition.

## C. Professional Service

<b>Under Associate Professor Rank</b>	
2010 – 2011	Local Organizer and Main Coordinator for 2011 WNAR/IMS Bio-statistics Conference held at Cal Poly
<b>Under Assistant Professor Rank</b>	
2002 – 2008	American Statistical Association Committee Membership Retention and Recruitment
Aug 2005	Joint Statistical Meetings Session Chair General Topics in Statistics Education
Jan 2004	Judge for Poster Session at Joint Mathematics Meetings

- As a member of the ASA committee, I attended the annual winter committee meeting at ASA headquarters in Alexandria, VA. I also participated in annual teleconferences and, when possible, I attended the annual summer meeting held during the Joint Statistical Meetings.
- At one point I was asked to chair this committee but, given my load of service, I declined and offered to consider such a position only after tenure.
- As I served two terms on this committee, I was not able to be reappointed to this committee. I was asked by the ASA President to serve on another ASA committee starting in January 2008. At that time I turned down the offer so that I may focus my efforts entirely on university matters. At some point, however, I would like to serve on another ASA committee as I found the experience very rewarding.