

# Curriculum Vitae

JUANA SANCHEZ, Ph.D.  
SENIOR LECTURER EMERITA

[Department of Statistics and Data Science, UCLA](#)

Citizenship: USA

Marital Status: Married

Contact: [jsanchez@stat.ucla.edu](mailto:jsanchez@stat.ucla.edu)

## I. Education, Professional Biography and Activities that Help Promote EDI

### 1. Education

- 1989.** Ph.D., Econometrics. Washington University, St. Louis, Missouri, USA.
- 1986.** M.S., Econometrics. Washington University, St. Louis, Missouri, USA.
- 1983.** B.S. Economics. Universidad Complutense de Madrid, Spain.

### 2. Faculty positions

- **7/1/2010-6/30/2023**, Senior Continuing Lecturer (100%), [UCLA Department of Statistics and Data Science](#)
- **7/1/2005-6/30/2010**, Continuing Lecturer (100%), [UCLA Department of Statistics and Data Science](#)
- **4/1/2000-6/30/2005**, Lecturer (100%), [UCLA Department of Statistics and Data Science](#)
- **4/1/1999-3/31/2000**, Lecturer (50%), [UCLA Department of Statistics and Data Science](#).
- **September 2001-March 2002**, UCLA Extension, lecturer in Statistics.
- **February 2002-May 2002**, California State University-Northridge, substitute lecturer in Probability.
- **1994-1995**. Visiting scholar, Duke University, Department of Statistics and Data Science.
- **1989-1994**. Assistant Professor, [Missouri's University of Science and Technology, Rolla, Missouri](#), Economics Department.
- **1988 (January-August)**. Instructor. Meramec Community College, St. Louis, Missouri. Department of Economics.
- **1984-1988**. Instructor. University College, Washington University. St. Louis, Missouri.

### 3. Other professional experience related to Statistics, Education and Statistical Literacy

- **April 2019-present**, Editor, [Journal of Statistics and Data Science Education](#), Taylor and Francis, Data Sets and Stories section.
- **Jan 2010-April 2019**, Associate Editor, [Journal of Statistics and Data Science Education](#), Taylor and Francis.
- **Jan 2007-Aug 2009**, Director, [International Statistical Literacy Project of the International Statistical Institute](#).
- **2008-2009** Appointed member of the Nominations Committee of the Council of Sections of the American Statistical Association.
- **2008- Aug 2009**: Editor, [Newsletter of the International Statistical Literacy Project](#)

- **2005- 2007:** Co-Editor, [Newsletter of the Section on Computational Statistics and Graphics](#), American Statistical Association.
- **2006-2008** Elected Council of Sections Representative for the Statistical Computing Section of the American Statistical Association.
- **Nov 2005-January 2006.** Elected Treasurer. Southern California Chapter of the American Statistical Association (SC-ASA).
- **Jan 2000- Dec 2001.** Elected Publications Officer, Section on Bayesian Statistical Science. American Statistical Association.
- **Sept 1997- Dec 1999.** UCLA Division of Cancer Prevention and Control Research, Statistician
- **Jan 1997-Jan 1998.** UCLA School of Nursing, Statistician.
- **1995-1996.** Elected Member of Council of Sciences, International Society for Bayesian Analysis.

#### **4. Activities that help promote Equal Opportunity, Diversity and Inclusion.**

- **4/10/2023** Your Future Starts Here. San Diego. UCLA event for LatinX admits.
- **4/6/2023** Join Our Community. UCLA event for Native American admits.
- **September 2022.** [CEILS Annual Workshop on Best Equitable Practices in Teaching](#). Participant.
- **May 2021-Winter 2023.** Development and implementation of the Stats 100A Asynchronous course with instructional Designer [Sirui Wang and OTL's production team](#).
- **April-May 2021.** [OTL Online Course Design Workshop](#). Selected participant. Resulted in the development of the first asynchronous course in the Department of Statistics: Stats 100A, Introduction to Probability.
- **2/17/2020.** Townhall on Diversity and Inclusion.
- **Summer 2018. Scientific Teaching Mentor** ([NSF-CEILS week-long Scientific Teaching Institute, UCLA](#)). Facilitated group dynamics during workshops, group presentations and group work sessions. Helped groups identify a teaching tidbit, and change the focus of their teaching from content to outcomes and learning when presenting to Summer Institute participants and their classrooms. Facilitated peer evaluation and mentoring and the implementation of evidence-based teaching that promotes problem solving and discussion, inclusion and retention in STEM.
- **September 2017.** [CEILS Annual Workshop on Best Equitable Practices in Teaching](#). Participant.
- **Summer 2017. Scientific Teaching Fellow** ([NSF-CEILS week-long Scientific Teaching Institute, UCLA](#)). Practiced a variety of evidence-based teaching strategies through workshops, presentations and group work. Worked with a team in the preparation of a teaching tidbit and a presentation to all the Institute's participants. Got more training on peer evaluation and mentoring (of which I already got a lot in the FLP). Solidified my experience in implementing evidence-based teaching strategies that promote problem solving and discussion, and emphasize outcomes and learning.
- **2016-2017. Faculty Learning Program Fellow** ([CEILS, 2016-2017 Faculty Learning Program](#))- Year-long program partly in person and partly in zoom to improve instructional practice and use of technology that promotes EDI. Participants work closely throughout the academic year with a community of instructors from UCLA and 2-year institutions and the CEILS coordinators.
- **1992. AEA-JCEE-LILLY Teacher Training Workshop.** Cambridge, Massachusetts. Selected participant. May 14-17.

## II. Bibliography

### II.1 Recent Books



1. Sanchez, J. (2020). [\*Probability for Data Scientists\*](#). Cognella.



2. Sanchez, J. (2023). [\*Time Series for Data Scientists\*](#). Cambridge University Press.

Supplements for the book (solutions, R programs, lesson slides and other) can be found at [timeserietime.org](http://timeserietime.org) and the YouTube Channel for the book is

### II.2 All Publications

1. Sanchez, J. (1989). Application of Classical, Bayesian and Maximum Entropy Spectrum Analysis to Nonstationary Time Series Data. In: Skilling, J. (eds) [\*Maximum Entropy and Bayesian Methods\*](#). *Fundamental Theories of Physics*, vol. 36. Springer, Dordrecht.
2. Felix, D. and Sanchez, J. (1989). Pooling Foreign Assets and Liabilities of Latin American Debtors to Solve Their Debt Crisis: Estimates of Capital Flight and Alternative Policy Mechanisms. In: H. Peter Gray (Ed.) *The Modern International Environment*. [\*Research in International Business and Finance\*](#) Vol. 7, p. 43--61.
2. Felix, D. and Sanchez, J. (1990). The Role of Capital Flight in the Latin-American Debt Crisis. [\*Crisis Financiera y Mecanismos de Contencion\*](#). Carlos Tello Macias and Clemente Ruiz Duran, eds. Fondo de Cultura Economica, Mexico. p 171--196.
3. Sanchez, J. (1991). The Missing Variable in the Economic Analysis of Technological Change. *Journal of Economics (MVEA) XVII (Now called Journal of Economic Insight)*. p 19--24. E-copies of this journal only available from 1995.
5. Sanchez, J. (1994). Vertical Integration in the Chicken Broiler Industry. [\*Proceedings\*](#) of the 6<sup>th</sup> Annual Conference on Applied Statistics in Agriculture. Kansas University.
6. Bryant, R., Gelles, G. and Sanchez, J. (1995). *Explorations in Microeconomics*. C.A.T. Publishing Company.
7. J. Sanchez, J. Kadane and A. Candel (1996). Multiagent Bayesian Theory and Economic Models of Duopoly, R&D and Bank Runs}. [\*Advances in Econometrics\*](#) 11A, Jai Press, Inc. p. 275--302.
8. Willis, J.F., Primack, M.L., Bryant, R., Gelles, G. and Sanchez, J. (1997). [\*Explorations in Microeconomics\*](#), revised edition. C.A.T. Publishing Company.
9. Berry, D., Parmigiani, G., Sanchez, J., Schildkraut, J. and Winer, E.P. (1997). Probability of Carrying a Mutation of Breast Cancer Gene BRCA1 Based on Family History. [\*Journal of the National Cancer Institute\*](#) 89, No. 3. p.227--238.
10. Sanchez, J., Padilla, G., Weiss, R. and Brecht, M.L. (1998). Finding Predictors of Health-Related Quality of Life in Head and Neck Cancer Patients: A Repeated Measures Model . *Proceedings of the Biopharmaceutical Section [DC ROM]*, 1998 American Statistical Association.
11. Sanchez, J. The 1999 Savage Awards Unveiled at 2000 JSM. *AMSTAT News*, October 2000, page 47. Magazine article.
12. Sanchez, J. (2000). Annual Proceedings. *AMSTAT News*, June 2000, page 32. Magazine article.
13. Sanchez, J. (2000). See you in Indianapolis. *AMSTAT News*, August 2000, pages 25-26. Magazine article.
14. Sanchez, J. (2001). Bayesian Statistical Science News. *AMSTAT News*, July 2001, page 35-36. Magazine article.
15. Sanchez, J. (2003). Data Analysis Activities and Problems for the Computer Science Major in a Post-Calculus Introductory Statistics Course. 2003 ASA. *Proceedings of the American Statistical Association. Statistical Education Section [CD ROM]*, Alexandria, VA: American Statistical Association.
16. Sanchez, J. and He, Y. (2005). Internet Data Analysis for the Undergraduate Statistics Curriculum.

- [Journal of Statistics Education](#) Volume 13, Number 3.
17. **Sanchez, J.** (2006). Handbook of Univariate and Multivariate Data Analysis and interpretation with SPSS." [Journal of Statistical Software, Book Reviews](#), 16(4), 1-3.
  18. **Sanchez, J.** (2007). Understanding Social Statistics, 2<sup>nd</sup> edition. [Journal of Applied Statistics](#), Vol 34, No. 3, 365-369. Book review
  19. **Sanchez, J.** and Wang, J. (2007). What Came First: the chicken or the egg? *STATS*, 47, (2007), pp 12-16. A discontinued publication of the American Statistical Association.
  20. **Sanchez, J.** (2007). Analysis of Integrated and Cointegrated Time Series with R, [Journal of Applied Statistics](#), Volume 34, No. 8, 1011-1017.
  21. **Sanchez, J.** (2007). Linear Models with R and Extending the Linear Model with R, [Journal of Statistical Software](#), Book Reviews, 17(4), 1-3.
  22. Dinov, I.D., **Sanchez, J.** (2006). Assessment of the Pedagogical Utilization of the Statistics Online Computational Resource in Introductory Probability Courses: A Quasi-experiment. In Beth Chance and Alan Rossman, Edts. [Proceedings of the 7th International Congress on the Teaching of Statistics](#).
  23. **Sanchez, J.** (2006). The Future Direction of the ISLP. [IASE Review](#), p. 19, International Association for Statistics Education, Dec. 2006. Newsletter article.
  24. Dinov, I.D., **Sanchez, J.** and Christou, N. (2006), Pedagogical Utilization and Assessment of the Statistic Online Computational Resource in Introductory Probability and Statistics Courses, *2006 Proceedings of the American Statistical Association, Section on Statistics Education* [CD-ROM], Alexandria, VA: American Statistical Association: pp-pp. [Also in SOCR web site](#).
  25. **Sanchez, J.** (2007-2009). *Teaching Statistics. An International Journal for Teachers*. [IASE insert](#). Several Issues.
  26. Christou, N., Dinov, I. and **Sanchez, J.** (2007). Enhancing the Teaching of Statistics with Technology using the Statistics Online Computational Resource (SOCR). *2006 Proceedings of the American Statistical Association, Section on Statistics Education* [CD-ROM], Alexandria, VA: American Statistical Association: 2124-2131.
  27. **Sanchez, J.** (2007). Building Statistical Literacy Assessment Tools with the IASE/ISLP. [Proceedings of the IASE/ISI-Satellite Conference on Assessing Student Learning in Statistics](#). Guimaraes, Portugal, 19-21 August 2007.
  28. **Sanchez, J.** (2007). The ISLP/IASE International Statistical Literacy Project. [Proceedings of the 56<sup>th</sup> Session of the International Statistical Institute Meeting](#), Lisbon, Portugal, August 21-29.
  29. Christou, N., **Sanchez, J.** and Dinov, I. (2007). Design and Evaluation of Undergraduate Probability and Statistics Courses Using Simulation Applets of the Statistics Online Computational Resource (SOCR). [Proceedings of the 56<sup>th</sup> Session of the International Statistical Institute Meeting](#), August 21-29.
  30. Dinov, I., Christou, N. **Sanchez, J.** and Pearl, D. [Handbook on Continuing Statistics Education with Technology Workshop](#), August 6, 2007.
  31. Dinov, I.D., **Sanchez, J.** and Christou, N. (2008). Pedagogical utilization and assessment of the Statistics Online Computational Resources in introductory probability and statistics courses. [Computers & Education. An International Journal](#), Vol. 50, Issue 1, January 2008, 284-300.
  32. **Sanchez, J.** (2008). Using Statistics to Make Sense of Data and Summarized Information: the Role of NSOs. In [Government Statistical Offices and Statistical Literacy](#), Chapter 1. ISLP/IASE.
  33. **Sanchez, J.** (2008). Less Comprehensive and Discontinued Programs. In *Government Statistical Offices and Statistical Literacy*, Chapter 8. ISLP/IASE.
  34. **Sanchez, J. (Editor)**. Campos, P., Forbes, S., Guiache, P., Helenius, R., Taylor, P., Townsend, M. (2008). *Government Statistical Offices and Statistical Literacy*
  35. Dinov, I., Christou, N. and **Sanchez, J.** (2008). Central Limit Theorem: New SOCR Applet and Demonstration Activity. [Journal of Statistics Education](#), 16.
  36. **Sanchez, J.** and Liu, Ching-Ti. (2008). Bayesian Hierarchical Models of the Browsing Behavior of World Wide Web Users. [Proceedings of the 36th Symposium on the Interface. Computing Science and Statistics](#), Vol 36 Baltimore, Maryland, May 26-29, 2004.
  37. Campos, P., Forbes, S., Guiache, P., Helenius, R., Mafafo, M., **Sanchez, J.** Taylor, P., Townsend, M. (2008). Efforts of Statistical Offices Across the World to Complement School Curricula. [Paper presented at invited session of the ASA](#).
  38. **Sanchez, J.** (2008). International Statistical Literacy Project. [SSC Liaison](#), Vol 22. No 4. P. 23. Newsletter article.

39. **Sanchez, J.** (2008). The International Statistical Literacy Project of the ISI seeks your help in involving all countries of Africa in ISLP projects. [African Statistical Newsletter](#). Vol 2. No. 2, p.38. African Center for Statistics. United Nations Economic Commission for Africa. Newsletter article.
40. **Sanchez, J.** (2008). The International Statistical Literacy Competition of the IASE/ISLP. *Statistics Newsletter OECD*, Issue 39, p.7.
41. **Sanchez, J.** (2009). Probability with R. An Introduction with Computer Science Applications, by Jane Horgan. [Journal of Statistical Software](#), Vol 29, January. Book Review
42. **Sanchez, J.** (2009). Statistical Literacy Competitions and Statistical Literacy. [Proceedings of the 57<sup>th</sup> Session of the International Statistical Institute Meeting](#), Durban, South Africa, August 16-22.
43. **Sanchez, J.** (2009). 57<sup>th</sup> ISI Session: A Forum for School Teachers and Students from 16 Countries. [ISI Newsletter](#), Vol 33. No. 3(99).
44. **Sanchez, J.** (2010). Introductory Time Series with R. [Journal of Statistics Software](#), Vol. 32, Book Review 4, Jan 2010.
45. **Sanchez, J.** (2010). Data Analysis and Graphics Using R — An Example-Based Approach (3rd Edition). [Journal of Statistical Software](#), Vol. 36, Book Review 6, Sep 2010.
46. **Sanchez, J.**, (2011). Hidden Markov Models using R. [Journal of Statistical Software](#), Vol 43, Book Review 4, Oct 2011.
47. **Sanchez, J.**, Forbes, S., Campos, P., Giacche, P. Townsend, M., Taylor, P. , Helenius, R. (2011). The Millennium goals, National Statistical Offices, the International Statistical Literacy Project and Statistical Literacy in schools. [Journal of Official Statistics \(Statistical Journal of the IAOS\)](#), Vol 27, Numbers 3, 4, p. 157-172.
48. **Sanchez, J.**, Cook, D., Masegela, J. and Minosa, M.K. (2013). Kicking and Screaming about Statistics: How Soccer Data can Potentially Alleviate Statistical Anxiety. [Statistics Teacher Network](#). Winter 2013, Issue 82, p 4-12.
49. Phoa, F. and **Sanchez, J.** (2013). "Modeling the Browsing Behavior of World Wide Web Users," [Open Journal of Statistics](#), Vol. 3 No. 2, 2013, pp. 145-154.
50. **Sanchez, J.** W. Lin, and V.N. Vu. (2013). Role of Science and Engineering Education and R&D in U.S. State Growth and Innovation. In *JSM Proceedings. Business and Economic Statistics Section* Alexandria, VA: American Statistical Association. The paper is also [in eScholarship](#).
51. **Sanchez, J.** (2014). Innovation Output Choices and Characteristics of Firms in the U.S. *Center for Economic Studies*, [U.S. Census Bureau Working Paper 14-42](#).
52. **Sanchez, J.** (2014). Non-technological and Mixed Modes of Innovation in the United States. Evidence from the Business Research and Development and Innovation Survey 2008- 2011." *Center for Economic Studies*, [U.S. Census Bureau Working Paper 14-35](#).
53. **Sanchez, J.** (2015). Identification Strategies for Models of Innovation, R&D and Productivity. In *JSM Proceedings, Business and Economic Statistics Section*. Alexandria, VA: American Statistical Association. 3002-3016
54. **Sanchez, J.** (2016). Sensitivity of Econometric Estimates to Item Non-response Adjustment. [Proceedings of the Fifth International Conference on Establishment Surveys](#), June 20-23, 2016, Geneva, Switzerland: American Statistical Association. The presentation is at [UC eScholarship](#).
55. **Sanchez, J.** (2016). Interview with Eugene Chen (MS 2013). [Statistical Moments](#), Department of Statistics, UCLA, p.12
56. **Sanchez, J.** (2015). Linkage of LBD and BRDIS. Technical Report, *Center of Economic Studies, U.S. Census Bureau*. Internal Document.
57. **Sanchez, J.** (2014 and 2015). Annual Research Report. *Center for Economic Studies, U.S. Census Bureau*. Internal Documents.
58. **Sanchez, J.** and Kahmann, S. N. (2017). R&D, Attrition and Multiple Imputation in BRDIS. *Center for Economic Studies, U.S. Census Bureau Working Paper 17-13*.
59. **Sanchez, J.** (2020). [Probability for Data Scientists](#). Cognella.
60. **Sanchez, J.** (2020) [Active Learning Materials](#) to accompany the Book Probability for Data Scientists.
61. **Sanchez, J.** (2017) Interview with Kayla Frisoli, B.S. '15, p. 13-14 and Interview with Ryan Rosario, p.15-16. [Statistical Moments](#).



62. **Sanchez, J.** (2018). Alumni news on Sydney Noelle Kahmann and Dennis Li. [Statistical Moments](#) p.17.
63. **Sanchez, J.** (2019). Interview with Harry Johnson, B.S. '12, p.15, and Models and reality clash and we have to do without the assumptions learned in the classroom (An interview with Connie Zhou), p.14. [Statistical Moments](#). Newsletter article.
64. **Sanchez, J.** (2020). What does a person with a Statistics degree do in a data-centric job? Inspiring stories from rising alumni. [Statistical Moments](#), p. 16-20. Newsletter article.
65. **Sanchez, J.** (2021). People Analytics: How Statistics can help business leaders make decisions about their employees (An Interview with Thadeus Demeke). [Statistical Moments](#), p. 16-20. Newsletter article.
66. **Sanchez, J.** (2023). [Time Series for Data Scientists](#). Cambridge University Press

## II.3 Unpublished Works

66. **J. Sanchez** (1989). *Bayesian, Autoregressive and Periodogram Spectrum Analysis as Applied to the U.S. Chicken Broiler Industry*. Washington University, St. Louis, Missouri. Theses and Dissertations.
67. **Sanchez, J.** *Census At School Workshop Workbook*. UCLA Dept. of Statistics, July 28-29, 2008.
68. **Sanchez, J.** Lobbies, Semiconductor Policy and Competitiveness (1991)
69. **Sanchez, J.** What Drives Innovation. A test of two theories. (1992)

## II. 4 Other, Working papers

- Sanchez, J. "Computationally Intensive Spectrum Estimation Methods and Non-stationarity."
- "Cycles and Structural Change in the Chicken Broiler Industry."
- "Bayesian Analysis of Bivariate Time Series in the Frequency Domain"(with A. Candel)
- "A Catastrophe Theory Model of Local Fiscal Behavior" (with A. Candel)
- "Social Security Systems: A theoretical Framework for the Analysis of their Socio-economic incidence"
- "Bayesian and Non-Bayesian Software for Hierarchical Models: BUGS, HLM and SAS PROC MIXED compared."

## III. Presentations, workshops

### III.1 Invited presentations/workshops

- **2024. Texas State University, Department of Mathematics: Statistics seminar.** [Machine Learning for Time Series.Part I: Pre-requisites](#). February 9.
- **2023. ASA Joint Statistical Meetings, Toronto, Canada, August 5-10.** Invited session. [Converting Statistical Literacy Resources to Data Science Resources](#).
- **2022.** Showcase of Asynchronous Stats 100A to UCLA instructors, 5/5/2022. Organized by OTL. [Discussing highlights of the course with instructors](#).
- **2022.** *How do I do it.* Invited Panel to the Spring [OTL Online Course Design Workshop](#). February 3<sup>rd</sup>.



- **2021. CLATSE XIV (Congreso Latinoamericano de Sociedad de Estadística 14), October 18-21. Invited panel.** Los cambios de paradigmas de la presencialidad y la virtualidad en la enseñanza universitaria de la Estadística. See the [YouTube video](#)

- **2021. UCLA Second Bruinlearn Day Invited Panel** organized by the LMS Program team on 10/26/2021. See the [YouTube video of the panel](#).
- **2020. Texas State University, Department of Mathematics: Women in Mathematics/Statistics seminar.** [Women mathematicians in data-centric jobs](#) (with a context). February 28, 2020.
- **2018. Center for Education Innovation and Learning in the Sciences (CEILS).** Hands on Presentation on the Teaching of Statistics at the Faculty Learning Program Workshop, January 30<sup>th</sup>, 2018.
- **2010. American Statistical Association, ASA, Joint Statistical Meetings,** Vancouver, Canada, August 2010. Presentation: *The Central Limit Theorem in the Journal of Statistics Education*.
- **2009. International Statistical Institute, 57th World Meeting, 2009. Statistical Literacy Competitions and Statistical Literacy,** Durban, South Africa.
- **2008. Encuentro Latino Americano de Education Estadistica,** Monterrey, Mexico, July 4-5, 2008. Presentacion del ISLP y Posibles Contribuciones de America Latina. Invited presentation.
- **2008. Statistics South Africa.** Workshops for Teacher in South Africa on Statistical Literacy as part of the ISIBALO Statistical Capacity Building program. South Africa, March 14-28, 2008.
- **2008. Webinar: American Statistical Association,** Meeting Within a Meeting follow-up webinar on **Thursday, February 7<sup>th</sup> 2008 at 3:30 pm Mountain Time (5:30 Eastern)** (ASA). Addressed to teachers. A webinar is a seminar via the Internet. Talk title: **Statistical Literacy for the 21st Century: Data Handling and chance activities to train for the International Statistical Literacy Competition.**
- **2008. Organization for Economic Cooperation and Development (OECD).** Seminar on Innovative Approaches to Turning Statistics into Knowledge, Stockholm, 26-27 May, 2008. Invited to attend in an advisory and planning role (as director of the ISLP).
- **2007. South Africa Statistical Association Annual Meeting:** workshop on the International Statistical Literacy Competition of the ISLP (October, 2007).
- **2007. Workshop.** [Pedagogical Utilization of SOCR and CAUSEweb Resources](#) in Probability and Statistics Courses. UCLA, August 6-8, 2007. Invited Speaker.
- **2007. 2<sup>nd</sup> US Conference on the Teaching of Statistics (USCOTS), May 17-19, 2007 Columbus Ohio.** **Invited Breakout Session** (together with Ivo Dinov and Nicolas Christou). [Guidelines for Teaching](#) and Using Statistics using SOCR: Taking Computer-Based Learning to the next level <sup>[11]</sup><sub>SEP</sub> Ivo Dinov, Nicolas Christou, & Juana Sanchez
- **2007. Quantitative Literacy and Its Implications for Teacher Education., June 22-24, 2007,** Wingspread Conference Center, Racine, Wisconsin. Organized by PMET Project of the Mathematical Association of America (MAA) and the Johnson Foundation. Invited Panelist.
- **2007. International CensusAtSchool Workshop,** Melbourne, Australia, March 26-29, 2007. Organized by the Australian Bureau of Statistics. Invites Panelist on two sessions on Statistical Literacy.
- **1991. Workshop on New Technologies for Prediction and Pattern Recognition:** Applications to Financial Markets. The Santa Fe Institute, February 13-18, 1991. Invited participant.
- **1987. International Conference on Financial Crises and Containment Mechanisms.** Mexico, March 9-11, 1987. Capital Flight Aspects of the Latin American Debt Crisis. (with David Felix). Invited Paper.

### III.2 Conferences, Workshops and sessions I organized or co-organized

- **2021. JSM 2021. Joint Statistical Meetings,** American Statistical Association. Organized a session titled, *The Teaching of Time Series to Undergraduates and High-school Students*. Online.
- **2018,2019,2020, 2021 Program Committee Member,** [Sixth International Conference](#) on Establishment Statistics, American Statistical Association.
- **2017. Breakout Session USCOTS,** [Show me the missing data](#), State College, PA, May 18-21.

- **2010. ICOTS 8 ( 8th International Congress on Teaching of Statistics)**, Ljubljana, Slovenia. Topic Session 1F. Creating an Evidence Based Society. Session Organizer.
- **International Statistical Institute 57th World Meeting, August 2009.** Invited Program Session. Exploiting the Progress in Statistical Graphics and Statistical Computing for the Benefit of Statistical Literacy.
- **2<sup>nd</sup> CensusAtSchool International Workshop**, Los Angeles, CA, July 28-31, 2008. Organizer. This workshop was the seed planted to have relevant stake holders meet and led to the very successful current Census@School by the ASA.
- **Organization for Economic Cooperation and Development, World Bank and Census Bureau [Seminar on Innovative Approaches to turn Statistics into Knowledge](#)**, 15-16 July 2009. Co-organizer.

### III.3 Other Presentations and Participation at Conferences and Workshops

- **2023.** United States Conference on the Teaching of Statistics. 6/3/2023. [Role of Instructor and Instructional Designer](#). With [Sirui Wang](#).
- **2022.** [Two-Day workshop: VVV of time-stamped data](#), 5/20, 21/2022, at the Electronic Conference on the Teaching of Statistics. [ECOTS, 2022](#). With Shiqi Liang (undergraduate research assistant). Online.
- **2022.** American Statistical Association. Joint Statistical Meetings. Washington D.C. August. Journal of Statistics and Data Science's Editorial Board meeting.
- **2021.** JSM 2021. Joint Statistical Meetings, American Statistical Association (online). [Contributed paper](#): *Blood glucose monitoring: Bridging the gap between classical and machine learning introduction to time series*.
- **2021.** **Sixth International Conference on Establishment Statistics.** Online. Contributed Paper: *Stratified Multiple Imputation Estimation for Complex Business Surveys*.
- **2021.** **Sixth International Conference on Establishment Statistics.** Online. [Chaired two online sessions](#).
- **2021.** American Statistical Association. Joint Statistical Meetings. Journal of Statistics and Data Science's Editorial Board meeting (online).
- **2017.** **Annual [Conference of the Federal Statistical Research Data Center on "Big Data"](#)**. R&D, Attrition and Multiple Imputation in the Business Research and Development and Innovation Survey. With co-presenters: Sydney Noelle Kahmann (UCLA first year grad student and Dennis Li, undergraduate). September 14, 2017, Los Angeles, California.
- **2016.** **Teaching Introductory Statistics with Simulation-Based Inference (by Beth Chance and Nathan Tintle)**. One day workshop for teachers. I was a participant. I was representing UCLA in a CEILS - sponsored event. Chicago, July 30th, 2016.
- **2016.** **Fifth International Conference on Establishment Surveys**, June 20-23, 2016, Geneva, Switzerland. Sensitivity of Econometric Estimates to Nonresponse Adjustment. [Contributed paper](#) on June 23rd, 8:30AM.
- **2015.** **Joint Statistical Meetings, American Statistical Association**, Seattle, August 8-13th. Identification Strategies for Models of Innovation, R&D and Productivity. [Contributed paper](#).
- **2015.** **Joint Statistical Meetings, American Statistical Association**, Seattle, August 8-13th. Panel Data, Linear Models, and Testing — Contributed Papers. **Session Chair**.
- **2015** **Federal Statistics Research Data Center Annual Conference** Stanford University, California, September 18, 2015. Participant.
- **2014.** **Research Data Center Annual Conference.** U.S. Census Bureau, Washington DC, June 12. Participant.
- **2013.** **Research Data Center Annual Conference.** Atlanta Federal Reserve, September 17, 2013. Participant.



- **2013. American Statistical Association, ASA, Joint Statistical Meetings**, Montreal, Canada, August 2013. [Contributed paper](#): Role of Science and Engineering Education and R&D in State Growth and Innovation. With Weisong Lin and Vincent N. Vu.
- **2012. American Statistical Association, ASA, Joint Statistical Meetings**, San Diego, California, August 2012. Editorial Board Meetings.
- **2011. American Statistical Association, ASA, Joint Statistical Meetings**, Miami Beach, Florida, August 2011. Editorial Board meetings.
- **2009. International Statistical Institute, 57th World Meeting**, South Africa, August 2009. Presentation on the ISLP.
- **2009. UCLA Center for the Teaching of Statistics seminar**: Data Visualization, May 28<sup>th</sup> 2009
- **2009. American Statistical Association, ASA, Joint Statistical Meetings**, Washington DC, August 2-6, 2009. Co-organizer of invited session: Innovative Visualization Tools. A way to engage citizens and influence policy.
- **2008. American Statistical Association, ASA, Joint Statistical Meetings**, Denver, August 3-7, 2008. [Co-organizer of invited session](#): The State of statistics education in schools (K-12) across the world.
- **2008 California State Title 1 Conference**. Addressing the Achievement Gap, April 21-22, 2008, Los Angeles.
- **2007. American Statistical Association, ASA, Joint Statistical Meetings**, Salt Lake City, July-August 2007. Presentation: Sanchez, J. (2007) The ISLP, how to use it for Teaching and Learning. Poster presentation.
- **2006. American Statistical Association, ASA, Joint Statistical Meetings** Seattle, USA, August 2006 [Pedagogical Utilization and Assessment](#) of the Statistics Online Computational Resources in Introductory Probability and Statistics Courses (coauthored with Ivo Dinov and Nicolas Christou) Contributed Paper.
- **2006. ICOTS-7 ( 7th International Congress on the Teaching of Statistics)**, Salvador, Bahia, Brazil, 2-7 July 2006, [Assessment of the Pedagogical Utilization of the Statistics Online](#) Computational Resource in Introductory Probability (coauthored with Ivo Dinov). Contributed Paper.
- **2006. ICOTS-7 ( 7th International Congress on the Teaching of Statistics)**, Salvador, Bahia, Brazil 2-7 July 2006. Organizer and Chair Session 7A-Building and Using Databases for Student Analysis.
- **2005. American Statistical Association, ASA, Joint Statistics Meetings**, Minneapolis, August 7-11. Attend meetings related to my new position as Council of Sections representative for the Stats Computing Section of the ASA, and Newsletter Editor of the same section.
- **2005. CAUSE. Workshop on using Internet Resources in the Classroom**. May 19, 2005. Organized by CAUSE (Consortium for the Advancement of Undergraduate Statistics Education). Completed workshop satisfactorily.
- **2005. USCOTS First United States Conference on the Teaching of Statistics**. May 19-21, 2005. Presented poster in Spotlight Session on Pedagogy. Poster title: "Introducing Undergraduate Students to Spam Filtering, Internet Traffic Data and WWW Clickstream Data Analysis: three activities that work."
- **2004. American Statistical Association, ASA, Joint Statistics Meetings**, Toronto, Canada, August 2004. 'Computationally Intensive Spectrum Estimation Methods and Nonstationarity.' (Contributed Paper)
- **2004. ISMA Data Catalog 2004 Workshop**. Data Needs for Sampling the Internet to Measure Performance. San Diego Supercomputer Center, S. Diego, California, June 3.
- **2004. Interface 2004**, Baltimore, Maryland, May 26-29. Bayesian Hierarchical Model of the Browsing Behavior of Worl Wide Web Users. with Ching-Ti Liu. (contributed paper)
- **2004. Center for the Teaching of Statistics Seminar Series, UCLA**. Assessing new activities for Computer Science majors in a post-calculus Introductory Statistics course. Spring 2004.
- **2004. American Mathematical Society**, Phoenix, Arizona, January 2004. Examples of the Application of Statistics and Probability to Computer Science, with Yan He. (contributed paper)
- **2003. American Statistical Association, ASA Joint Statistical Meetings**, San Francisco, August 2003. 'Data Analysis Activities and Problems for the Computer Science Major in a Post-Calculus Introductory Statistics Course. (contributed paper)

- **2000. American Statistical Association, ASA, Joint Statistical Meetings**, Indianapolis, August 2000: Administrative activities related to Publications Chairs and other ASA officers.
- **1999. American Statistical Association, ASA, Joint Statistical Meetings**, Baltimore, August 1999. Organizer of the Section Statistical Issues in Diabetes, and of the section Statistical Methods for the Detection of Disease Clustering.
- **1998. American Statistical Association, ASA, Joint Statistical Meetings**, Dallas, Texas, August 1998: Bayesian and Non-Bayesian Software for Hierarchical Models. Roundtable Luncheon organizer and leader.
- **1998. American Statistical Association, ASA, Joint Statistical Meetings**, Dallas, Texas, August 1998: Finding Predictors of Health-Related Quality of Life in Head and Neck Cancer Patients: A Repeated Measures Model. (special contributed paper).
- **1997. American Statistical Association, ASA, Joint Statistical Meetings**, Anaheim California, August 1997. Chair of the Session on Bayesian Applications.
- **1996. American Statistical Association, ASA, Joint Statistical Meetings**, Chicago, August 1996: Probability of Carrying a Mutation of Breast Cancer Gene BRCA1 Based on Family History (special contributed paper).
- **1994. North American Regional Meeting of the International Society for Bayesian Analysis**, Toronto, August 1994. Bayesian Analysis of Bivariate Time Series in the Frequency Domain (contributed poster).
- **1994. Valencia Meetings: Fifth International Meeting on Bayesian Statistics**, Alicante (Spain), 5-9 June, 1994. 'Multiagent Bayesian Theory and Economic Models of Duopoly, R&D and Bank Runs, Contributed poster.
- **1994. 6th Annual Kansas State University Conference on Applied Statistics in Agriculture**. Manhattan, Kansas, April 24-26, 1994. Cycles and Structural Change in the Chicken Broiler Industry. Contributed paper.
- **1994. 58th Annual Meeting of the Midwest Economics Association**, Chicago March 24-26 1994. Cycles and Structural Change in the Chicken Broiler Industry. Contributed Paper.
- **1993. American Statistical Association, ASA, Joint Statistical Meetings**, S. Francisco, August 8-12, 1993. Chair of Session 339, *Bayesian Methods and Applications*.
- **1992. 28th Annual Conference of the Missouri Valley Economics Association**, St. Louis, Feb 27-29, 1992. What Drives Innovation. A test of two theories. Contributed paper.
- **1991. 66th Annual Conference of the Western Economics Association International**, Seattle, Washington, June 29-July 3, 1991. Lobbies, Semiconductor Policy and Competitiveness. Contributed paper.
- **1991. 66th Annual Conference of the Western Economics Association International**, Seattle, Washington, June 29-July 3, 1991. Discussant of session on Technological Advancement.
- **1991. 66th Annual Conference of the Western Economics Association International**, Seattle, Washington, June 29-July 3, 1991. Chair of the session Industry Studies.
- **1991. 55th Annual Meeting of the Midwest Economics Association**. St. Louis, Missouri, April 4-6, 1991. Discussant of the session *The Cost and Productivity of Industry*.
- **1991. 27th Annual Conference of the Missouri Valley Economic Association**. Kansas City, Feb 28-March 2, 1991. The Missing Variable in the Economic Analysis of Technological Change. Contributed paper.
- **1988. 8th International Maximum Entropy and Bayesian Methods Workshop**. Cambridge, England, August 1988. Applications of Classical, Bayesian and Maximum Entropy Spectrum Analysis to Nonstationary Time Series. Contributed paper.
- **1987. 51st Annual Meeting of the Midwest Economic Association**. St. Louis, Missouri, 1987. A Catastrophe Theory Model of Local Fiscal Behavior. (with A. Candel). Contributed paper.
- **1986. 50th Annual Meeting of the Midwest Economic Association**. Chicago, 1986. Local Public School Expenditures in West Virginia: An Empirical Survey. Contributed paper.

## IV. Teaching

### IV.1 Courses taught from Winter 2008 to 2023

- Spring 2023: **Stats 100A-1-Fully Asynchronous** (Intro Probability); **Stats 100A(2)** Intro Time series
- Winter 2023: **Stats 100A-1** (Intro Probability); **Stats 170** (Intro Time Series)
- Fall 2022: **Stats 100A-2-Fully Asynchronous** (Intro Probability); **Stats 100A-3** (Intro Probability)
- Summer 2022: **Stats 100A** (Intro Probability)
- Spring 2022: **Stats 100A-3 Fully Asynchronous**(Intro Probability); **Stats 102B** (Intro Computation and Optimization in Statistics)
- Winter 2022: **Stats 100A-2-Fully Asynchronous** (Intro Probability); **Stats 170** (Intro Time Series)
- Fall 2021: **Stats 100A-Fully Asynchronous with OTL** (Intro Probability); **Stats 100A(3)** (Intro Probability)
- Summer 2021: **Stats 100A-2** (Intro Probability); **Stats 102B-1** (Intro Computation and Optimization)
- Spring 2021: **Stats 102B-4** (Intro Computation and Optimization); **Stats 100A-2** (Intro Probability)
- Winter 2021: **Stats 100A-1** and **Stats 100A-2** (Intro Probability)
- Fall 2020: **Stats 100A-2** and **Stats 100-3** (Intro Probability)
- Summer 2020: **Stats 100A-2** (Intro Probability)
- Spring 2020: **Stats 102B-1** and **102B-2** (Intro Computation and Optimization in Stats);
- Winter 2020: **Stats 100A** (Intro Probability) (1)and (2)
- Fall 2019: **Stats 100A** (Intro Probability) and **Stats 170** (Intro Time Series)
- Summer 2019 **Stats 100A** (Intro probability)
- Spring 2019 **Stats 102B** (Intro computation and optimization in Stats); **Stats 100B** (Intro Math stats)
- Winter 2019: **Stats 100A** (Intro Probability) and **Stats 100B** (Intro Math Stats)
- Fall 2018: **Stats 170**(Intro Time Series), **Stats 100A** (Intro Probability)
- Summer 2018: **Stats 100A**
- Spring 2018: **Stat 102B** (Intro Computation and Optimization for stats); **Stats 100A** (Intro Probability)
- Winter 2018: **Stat 100A** (Intro Probability); **Stats 20** (Intro R)
- Fall 2017: **Stats 415(1)** Intro Forecasting, **Stats 100A(1)** Intro Probability; **Stats 20** (Intro R)
- Spring 2017: **Stats 100A(1)**, **Stats 170** (Intro Time Series)
- SWinter 2017: Stats 102B(1), Stats 100A(1)
- Fall 2016: Stats 100A(1), Stats 100A(2)
- Spring 2016: **Stats 130(1)** (Intro SAS, STATA, SPSS), **Stats 130(1) Discussion 1B**; **Stats 130(2)**, Stat 130(2) Discussion 2A.
- Winter 2016: Stat 102B(1), Stat 100A(1)
- Fall 2105: Stats 130(1), Stats 130(1)Discussion 1A and Discussion 1; Stats 100A(2)
- Spring 2015: Stats 170, Stats 100A(1)
- Winter 2015: Stats 102B, Stats 10(2)
- Fall 2014: Stats 100A(1), Stats 100A(2)
- Spring 2014: Stats 100A, Stats 170
- Winter 2014: Stats 102B, Stats 100A
- Fall 2013: Stats 100A(1), Stat 100A(2)- Intro Probability; Stats 199-Directed Research; Stats 598-Master Thesis Research.
- **Teaching Apprentice Practicum (Stats 375)** have been recurring every quarter (with very few exceptions)

- Summer 2013: Stats 100A, 2 classes; Stats 100B- Intro Math Stats.
- Spring 2013: Stats 101C-Intro Regression and Data Mining; Stats 170; Intro Time Series.
- Winter 2013: Stat 100A; Stats 100B; Stat 199
- Fall 2012: Stats 100A, Stat 100B.
- Spring 2012: Stats 10-Intro Stats Reasoning; Stats 100B.
- Winter 2012: Stats 100A
- Fall 2011: Stats 100A, 100B
- Summer 2011: Stats 100A, 100C-Linear Models.
- Spring 2011: Stats 170, Stats 100C
- Winter 2011: Stats 100A, Stats 102B (Intro Computational Stats)
- Fall 2010: Stats 100A, Stats C180/C236 Intro Bayesian Stats, Stats 375
- Summer 2010: Stats10(1 and 2), Stats 100B, Stats 170
- Spring 2010: Stats 100C, Stats C180/C236, Stats 375
- Winter 2010: Stats 100A, Stats 100B, Stats 375
- Fall 2009: Stats 102A, Stats 100A
- Summer 2009: Stats 100A, Stats 170
- Spring 2009 Stats 10, Stats 13, Stats 105
- Winter 2009: Stats100B
- Fall 2008: Stats 100A , Stats 100A, Stats 189
- Spring 2008: Stats 100C, Linear Models and experimental design
- Winter 2008: Stats 13 Intro Stats for Life Sciences, Stats 100B, Stats 189

#### **IV.2 Courses taught and number of times from 1999 until Fall 2007**

Until Fall 2007 I counted courses. Shown are names of courses and number of times taught (parenthesis)

- Stats 158: Analysis of Internet and WWW Data (1)
- Honors sessions for Stat 10 (3)
- Stat 189-Honors Seminar for Intro Stats Inference 100B (2)
- Stats 130B: Statistical Analysis with SAS (1)
- Stat 100C-Introduction to Regression (1)
- Stats 170: Introduction to Time Series /Upper Division (5)
- Playing with Chance (Fiat Lux Seminar) (3)
- Stats 100A, Introduction to Probability/ Upper division (9)
- Stat 189-Honors seminar for Intro Probability (2)
- Stat 100B-Introduction to Statistical Inference/Upper division (4)
- Stats 112, Introduction to Statistics for the Social Sciences/lower division (1)
- Stats 100A, Applied Statistics A / Upper division (11)
- Stats 110B, Applied Statistics B/ Upper division (3)
- Stats 10, Introduction to Statistical Reasoning /Lower division (22)
- Stats M11, Introduction to Stats for Business and Economics /lower division (13)
- Stat 89-Honors Session for Stats for Business and Econ (1)
- Econometrics/undergraduate level (3)
- Statistics lab for the Behavioral Sciences/lower division (1)
- Introductory Microeconomics (20)
- Introductory Macroeconomics (4)

- Intermediate Microeconomics (6)
- Problems in Economic Policy (1)
- Comparative Economic Systems (2)
- Public Finance (5)

#### **IV.3. Course development when first taught.**

- **2021-2023 Stats 100A Fully Asynchronous. Designed and implemented and got approved permanently**, in cooperation with instructional designer Sirui Wang, from [OTL](#) (Online Teaching and Learning, UCLA) and trained by OTL's Workshop.
- Stat 130A. SPSS and Stata and SAS and R.
- Stat 102B. Introduction to Computation and Optimization
- Stat 101C. Regression and Data mining.
- Stat 102A Introduction to Computational Statistics with R
- Stat 105 Statistics for Engineers
- Stat 170 Intro Time Series
- Stat C180/C236 Intro Bayesian Statistics
- 2008: Honors Collegium: Writing Numbers
- Stat C158/C258 Analysis of Internet and WWW Data.
- Fiat Lux Seminar: Playing with Chance.

### **V. Guiding Students' Research**

#### **V.1 Graduate Students thesis mentoring and/or advising**

- Tianyu Ye, MS 2019, Committee Member
- [James Lepore, Master of Applied Statistics, 2018 Committee Member](#)
- [Jordan Berninger, Master of Applied Statistics, 2018 \(Co-chair\)](#)
- PeeJay Huang, Master thesis research, F 2013
- Bon Sang Koo, Thesis Committee Member, MS 2013.
- Tian Tian, Thesis Committee Member, MS 2012.
- Yangyi He, Thesis Committee Member, 2012.
- Jay (Chaojie) Zhou, Thesis Committee Member, 2012
- Tracy Tam, Thesis Committee Member, MS 2012
- To Wang Ngo, Thesis Committee Member, MS 2012.
- Yuxin Liu, Co-Chair Thesis Committee, MS 2011
- Ching-ti Liu, Research Assistant, 2006
- He, Yan Research Assistant, 2005

#### **V.2. Undergraduate Students taking Stats 199, Directed Research, or working as undergraduate student (paid) researchers. Mentoring of graduate TAs.**

As an instructor of undergraduate students, I have had the pleasure of working with numerous undergraduate students in their Stats 199 (Directed Research) courses or hiring them as undergraduate research assistants.



I have also had the pleasure of working with wonderful Teaching Assistants and mentoring them via the Stats 375 courses.

## VI. Service not mentioned elsewhere in this CV

### VI.1. Reviewer activities

- Cambridge University Press
- NSF ITEST Review Panel, 2021
- National Research Council.
- Journal of Statistics and Data Science Education
- Computers and Education
- International Journal of Engineering Education
- American Statistician
- Statistics Education Research Journal
- 2006-2008 American Statistical Association. Student Paper Competition Award Selection Committee, Statistical Computing Section.
- 2005-2008 Reviewer in Statistics. MERLOT (Multimedia Educational Resource for Learning and Online Teaching)

### VI.2. Other service activities

- **2023, May 24.** Panel of Professors. Panelist. A Stats Club event.
- **Annually** since 1999: Volunteered to participate in the Department of Statistics' Commencement Ceremonies
- **Annually** since 1999: Volunteered to participate in the College Commencement Ceremonies
- **Annually** since 2019: DataFest mentor, UCLA
- **Annually**, since instituted in 2017: UCLA College Physical Sciences Welcome Event faculty participant. Welcoming students to make them believe that they will be successful in STEM.
- **2019-2020**, Ad-hoc Merit Review Committee, Department of Statistics
- **2019**, Datafest Judge, UCLA
- **2018**, Spring. Faculty Judge Library Prize for Undergraduate Research. UCLA Library.
- **2018** MAS Admissions Committee for 2018-2019 cohort.
- **2011** Statistics Ad-hoc Hiring Committee.
- **2008-2009** Appointed member of the Nominations Committee of the Council of Sections of the American Statistical Association
- **2008** Nominated for Executive of the American Statistical Association Section on Statistics Education.
- **2006-2008** Elected Council of Sections Representative for the Statistical Computing Section of the American Statistical Association.
- **Nov 2005-January 2006** Elected Treasurer. Southern California Chapter of the American Statistical Association (SC-ASA).
- **Jan 2000- Dec 2001** [Elected Publications Officer](#), Section on Bayesian Statistical Science.
- American Statistical Association.
- 1995-1996 Elected Member of Council of Sciences, International Society for Bayesian Analysis.

- 2007- Chair, Non-senate faculty Council on Professional Development: coordinate group of lecturers and rank over 50 applications for the NSF professional development award.
- **2007.** President, UC-AFT Local 1990, 2007. Organize activities of interest to lecturers.
- **2005.** Dinners for 12 Strangers, February 2005.
- **2004.** Volunteer at the ASA Statistical Education Section booth at the Joint Statistical Meetings, Toronto, Canada, 2004.
- Member of the Committee on Blended Instruction, UCLA
- Faculty Member, Center for the Teaching of Statistics, UCLA Department of Statistics. I also maintained the web page "Statistics Education around the world."
- Member of the American Statistical Association, the International Society for Statistics Education of the ISI (until
- Community Service: Volunteer for the American Diabetes Association.
- Active member of Team Diabetes (2001-2002).
- Advisor to 8 undergraduate students. UMR-Rolla (Missouri S&T) (1989--1995)
- Served in several committees and the design of the Advisor's Handbook. UMR-Rolla (Missouri S &T 1991)
- Peer Reviewer, University of Missouri Research Board, 1992--1995.
- Co-organizer of the Econ Conference for Undergraduates. A Missouri-wide conference for undergraduate students with undergraduates as the presenters of papers.
- Co-organizer, Graduate Student Seminar, Department of Statistics, University of Missouri-Rolla (Missouri S&T), 1990-1995.
- Co-organizer, Bayesian Econometrics and Time series seminar, Department of Economics, Washington University, 1987-1988.

## VII. Awards /Honors

- 2021 OTL Workshop Award. Selected to develop a fully Asynchronous Stats 100A course.
- 2018-2022 Non-Senate Faculty Professional Development Awards to support conference presentations.
- 2017. Fall. OID minigrant to hire student to transform class activities, 100A, \$600
- 2017. January. Non-Senate Faculty Professional Development Awards, UCLA, \$1095 to partially support travel to the USCOTS, College Park, Pennsylvania, May 2017.
- I have been selected to participate in the Faculty Learning Program of CEILS in 2017
- 2016. Teaching Introductory Statistics with Simulation-Based Inference. Chicago, July 30th, 2016. One day workshop for teachers. I was a participant. I was representing UCLA in a CEILS sponsored event. Funded by CEILS (Center for Economic Innovation and Learning).
- 2016. June. Non-Senate Faculty Professional Development Award, UCLA, \$1810 to help support travel to the Fifth International Congress on Establishment Surveys, ICES-V.
- 2015. June. Affordable Course Materials Initiative Award by the UCLA Library, \$1000. UCLA. To help find new online textbook in library collections and other supplementary materials for Stat 100A.
- 2015. March. [Non-Senate Faculty Professional Development Award](#), UCLA, \$1500. To help pay for the data used in the Center for Economic Studies approved project (U.S. Census Bureau).
- 2013. December. Non-Senate Faculty Professional Development Award in the amount of \$1000 to provide funding for hotel expenses and registration at JSM August 2013.
- 2013. Center of Economic Studies of the United States Census Bureau. Approved proposal for research on innovation in the United States.
- 2013 CCLE Innovation and Development Program (IDP) grant to improve access to software R via CCLE.

- 2012-2013. Non-Senate Faculty Professional Development Award in the amount of \$1500 to provide funding for curriculum development.
- 2010. OID Instructional Improvement mini grant.
- 2009. American Statistical Association travel grant to participate in the 57<sup>th</sup> session of the ISI
- 2009. OID Minigrant to purchase manipulatives used in Stat 13 and lower division classes.
- 2008. OID Minigrant to prepare booklet for CensusAtSchool Workshop in Summer 2008
- 2007. American Statistical Association travel grant to participate in the 56<sup>th</sup> session of the ISI
- 2007. OID Grant to support SOCR Continuing Education Workshop in Summer 2007 (with Ivo Dinov and Nicolas Christou).
- 2007-2008. UC-AFT Professional Development Award. Used to present paper and collect material for book on Stats Curriculum in South Africa
- May 2007. UC-AFT Professional Development Award. Used for Poster Presentation at the American Statistical Association Meeting in SLC, Utah, August 2007
- Summer 2005-2007. Co-investigator for Statistics Online Computational Resources SOCR NSF Grant.
- May 2006. UC-AFT Professional Development Award. UCLA. Office of the Chancellor/UC-AFT UCLA.
- May 2005. UC-AFT Professional Development Award. UCLA. Office of the Chancellor/UC-AFT UCLA
- May 2005. OID Grant. Title: Lowering the Shoe-Leather Costs of Learning Modern Statistics for Upper division Statistics Students.
- April 2005. OID Small grant. Title: A reader for Fiat Lux Seminar Playing with Chance written for students by students
- May 2004. UC-AFT Professional Development Award, UCLA. Office of the Chancellor/UC-AFT UCLA
- February 2004. UCLA OID Mini-grant. To defray the cost of purchasing dice to introduce probability simulations for the statistics 19, 10 and 11 courses.
- Jun 2003-June 2004. UCLA OID Grant IIP 03-20. For project "Development of data analysis projects and problems set for Computer Science majors in undergraduate upper division applied statistics course."
- Certificate of Merit Award in the Advisor Publications Category at the 1994 National Academic Advising Association Contest. For the UMR's Faculty Advisor's Handbook, with D. Robinson et. al.
- Elected Member, honor society of Phi Kappa Phi.
- Freshman advisor recognition award.
- Faculty Research Award, MSU/SIU International Business Education Center (Memphis State University/Southern Illinois University), Summer 1990
- Summer Research Appointment, University of Missouri-Rolla, Summer 1990
- Humanities and Social Sciences Research Fund Award, University of Missouri-Rolla, Fall 1990
- Graduate School of Arts and Sciences Dissertation Fellowship, Washington Univ, 1988-1989
- University Fellowship, Washington University 1984-1988
- Research Fellowship, Institute of Fiscal Studies, Madrid, Spain, 1983.
- Spanish Government Fellowship, (1978-1983)

#### Other

- Statistical Software: SAS, STATA, R, S-Plus, BUGS, EQS, HLM
- Operating Systems: DOS, Windows, Unix, Linux, OS-X
- Languages: C/C++, some Fortran.
- Member of the [American Statistical Association \(ASA\)](#)
- Member of the [International Institute of Forecasters \(IIF\)](#)