CURRICULUM VITAE

Sastry G. Pantula
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San Bernardino, CA 92407-2397

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Email: Sastry.pantula@csusb.edu
Citizenship: U.S. Citizen

Education:

Ph.D. August, 1982
Department of Statistics, Iowa State University, Ames, IA

M.S. July, 1979, Major: Statistics
Indian Statistical Institute, Kolkata, India

B.S. July, 1978, Major: Statistics
Indian Statistical Institute, Kolkata, India

A Brief Summary: Sastry G. Pantula, is the Dean of the College of Natural Sciences at CSUSB since August 2018. He is committed to training future leaders in science, and his core values are to strive for excellence, enhance diversity and foster harmony. Most recently, he has served as the Director of Data Analytics programs at Oregon State University (OSU). He has also served as the Dean of the College of Science at OSU from August 2013 to August 2017, after serving a three-year term as the Director for the Division of Mathematical Sciences at NSF. Pantula spent more than 30 years as a statistics professor at North Carolina State University (NCSU), where he began his academic career in 1982. At NCSU, he also served as the Director of Graduate Programs (1994-2002) and the Head of the Department of Statistics (2002-2010).

Pantula is a Fellow of the American Association for the Advancement of Science (AAAS) and the American Statistical Association (ASA). He served as ASA President in 2010 and received the ASA Founders Award in 2014. Pantula is a member of the honor societies Phi Kappa Phi, Phi Beta Delta, Sigma Xi and Mu Sigma Rho. He is also a member of the NCSU Academy of Outstanding Teachers. He directed/co-directed seventeen doctoral students and published a number of refereed publications in quality journals. He was a PI/Co-PI of NSF grants related to workforce development, vertical integration of research and education, and to enhance diversity. He is currently the PI of a Department of Education's HSI grant titled "Advising for Undergraduate Success (A4US)" and "Proactive Approaches for Training Hispanics in STEM (PATHS)".

Honors and Awards:

Ally of the Year, Undocumented Student Success Center, CSUSB, 2019

Inducted to Phi Beta Delta Honor Society, CSUSB, 2019

Honorary Member, The Phi Beta Kappa Epsilon Chapter of OSU, 2017

Paul Minton Award, SRCOS, 2016

ASA Founders Award, 2014

NSF Director's Awards for Collaborative Integration, 2012

1. IGERT- CIF21 Science and Engineering Collaboration
2. Collaboration for Successful Launch of Ground-Breaking International Initiatives
3. EHR-MPS Cross-Directorate Team

Fellow, American Association for the Advancement of Science, 2011

Past President, American Statistical Association, 2011
President, American Statistical Association, 2010

President-Elect, American Statistical Association, 2009
Department Head Award, SAA-PAMS, 2008
Department Head Award, SAA-PAMS, 2005
Fellow, American Statistical Association, August 2002
Young Statistician Award, 2002, International Indian Statistical Association
D.D. Mason Faculty Award, 2001
Named an ***Outstanding Teacher*** at North Carolina State University, Spring 1986
Member of the NCSU **Academy of Outstanding Teachers**
Member of Honor Societies: ***Phi Kappa Phi, Sigma Xi, and Mu Sigma Rho***
George Snedecor Award for the most outstanding PhD candidate,
1981, Department of Statistics, Iowa State University, Ames, IA

Professional Experience:

8/2018- Present: **Dean,** College of Natural Sciences, CSUSB

9/2013- 7/2018: **Professor**, Department of Statistics, Oregon State University

9/2013- 8/2017: **Dean**, College of Science, Oregon State University

9/2010- 8/2013: **Division Director**, Division of Mathematical Sciences,
National Science Foundation

8/2002- 9/2010: **Head**, Department of Statistics, North Carolina State University

8/2002- 7/2009: **Director**, Institute of Statistics, North Carolina State University

1/2000- 8/2002: **Assistant Head** of the Department
Department of Statistics, North Carolina State University

9/1994- 8/2002: **Director of Graduate Programs**
Department of Statistics, North Carolina State University

7/1994- 8/2013: **Professor**
Department of Statistics, North Carolina State University

7/1988- 6/1994: **Associate Professor**
Department of Statistics, North Carolina State University

8/1990- 3/1991: **Scholarly Assignment**, SEMATECH, Austin, TX

8/1982- 6/1988: **Assistant Professor**
Department of Statistics, North Carolina State University

Other Relevant Experience:

8/2019-7/2020: CSU Chancellor's Office, Executive Leadership Training

8/2004- 9/2010: **Treasurer** for the National Institute of Statistical Sciences

1/2005- 12/2008: **Treasurer** for the American Statistical Association

Book:

Rawlings, J. O., **S. G. Pantula** and D. A. Dickey (1998). *Applied Regression Analysis: A Research Tool*. Springer Verlag, NY.

Fundraising:

As the Dean of College of Science at Oregon State University, fundraising is a significant part of the job. We have raised $3.1m, $2.1m, $4.8m and $3.8m during the fiscal years 2014, 2015, 2016 and 2017, respectively.

Worked with PAMS Foundation and alumni to establish three $1,000,000 endowments-

Cox Distinguished Professor
Fisher Distinguished Professor
Hunter Distinguished Professor

Funded Grants:

Graduate Training:

Department of Education, HSI-STEM and Articulation grant: "Proactive Approaches for Training Hispanics in STEM (PATHS)" 2021- present **($4.95 million**)

Department of Education, HSI-STEM and Articulation grant: "Advising for Undergraduate Success (A4US}" 2018-present **($4.77 million)**

NSF - VIGRE Traineeship grant
"Training Problem Solvers - A Research Centered Learning Community"
Co-PI with Drs. T. Gerig, L. Stefanski, W. Swallow, A. Tsiatis, and B. Weir
1999 - 2004 **($2,746,310**)

U.S. EPA - Cooperative Agreement, Program Director
"Cooperative Training in Environmental Statistics with EPA"
2001 - 2006 **($662,013**)

NSF – VIGRE-II

"Integrated and Mentored Program of Research and Education in Statistical Sciences(IMPRESS)"
2004-2010 **($2,650,000**)

NSF- CSUMS
"Computation for Undergraduates in Statistics Program (CUSP)"
2008- 2010 **($450,000**)

NSF- S-STEM
"Mentoring for Total Success"
2008- 2010 **($600,000**)

Graduate Fellowships:

SAS Institute	2000 - 2005	**$125,000**
Merck	2001 - 2003	**$105,000**
Eli Lilly	2005 - 2008	**$75,000**

Graduate Industrial Traineeships:

With- Analytical Sciences Inc.; Becton Dickinson; Clintrials; Cuddy Farms; Duke Clinical Research Institute; GlaxoSmithKline; InterLeap; Inveresk; NISS; PPD-Pharmaco; Quintiles; Rho Inc.; SAS; Triangle Pharmaceuticals;

Research:

NSF - "Determining bandwidth in spectrum estimation" PI- Dr. P. Bloomfield
1984 - 1986 (**$68,200**)
Received support ($12,000) as a Post-doctoral Associate

NSF - "Developments in time series methodology" Co-PI with Dr. P. Bloomfield
1985 - 1989 (**$130,424**)

U.S. Fish and Wildlife - "Development methods and computer programs for the analysis of repeated measurements in time"
Co-PI with Dr. K. Pollock 1986
- 1987 (**$29,500**)

U.S. EPA - "Detecting the climate effects of greenhouse gases"
Co-PI with Drs. P. Bloomfield, J. Monahan, and D. Nychka
1988 - 1990 (**$70,000**)

U.S. Bureau of Census - "Triple system estimation for population size"
Co-PI with Drs. S. Ghosh, K. Pollock, and L. Stefanski
2000 - 2002 (**$236,430**)

Conference:

NBER-NSF Time Series Workshop, Organizing Committee Chair,
North Carolina State University, Raleigh, September 2001 (**$12,000**)

Service:

Editorial Service:

Associate Editor for ***The American Statistician*** 1987 - 1993
Co-editor of ***Sankhya*** 2000 - 2002
Associate Editor- ***Journal of Business and Economic Statistics*** 2001 – 2006
Associate Editor- ***Statistics & Probability Letters***, 2002- 2007.
Editorial Board Member- ***Journal of Statistical Theory and Practice*** 2006- 2010, 2014- present.
Reviewed several NSF proposals, NSF review panel,
including NSF-VIGRE site visits
Reviewed a proposal for the Research Council of Canada
Refereed papers for numerous statistical journals (including, *Annals of Statistics, Biometrics, Communications in Statistics, Econometric Reviews, Econometric Theory, Econometrica, Journal of the American Statistical Association, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Time Series Analysis, Reviews of Economics and Statistics, Sankhya,* and *Technometrics*)

Service to the Profession:

Member 2021- Present: Board, Canadian Statistical Sciences Institute
Member 2020- Present: Sea Change Planning Committee, AAAS
Member 2017- 2020: IISA Board of Trustees
Member 2017- present: ASA External Nominations & Awards Committee
Member 2016- 2020: NAM Golden Anniversary Capital Campaign Committee
Member 2014- 2017: AAAS Section U Nominations Committee, Chair 2017
Member 2016- 2018: OMSI Board of Trustees
Member 2014- 2016: ASA Development Committee
Member, 2012- 2013, ASA Working Group on Training the Next Generation Member, 2011- 2013, NITRD Big Data Working Group;
Co-Chair- Workforce Development Group

Member, 2011- 2013, Committee for the International Year of Statistics 2013
Co-Chair, OSTP Task Force on Public Access, 2011
Member Auditor- 2009 International Statistical Institute Review
Committee member for Math/Stat departments at
Georgia, Colorado State, UT-Dallas, New Mexico Chair-
2008 for Business and Economics Section of ASA Chair- elect
2007 for Business and Economics Section of ASA
Program Chair-elect for 2000 JSM – Business Economics Section of ASA
Program Chair for 2000 JSM Business Economics Section of ASA
Publications officer, 2001-2004, Business Economics Section of ASA
Chaired sessions at various Joint Statistical Meetings and NBER-NSF Time Series Workshops
A member of COPSS committee that selected the COPSS award for a young Statistician 2002-2005.
A member of Youden Award committee for ASA 2004-2006
Treasurer for NISS 2004- 2010
Treasurer for ASA 2005- 2008
Chair of the ASA Finance Committee 2005- 2008
Chair of the ASA Audit Committee 2005- 2008
ASA Board member 2005- 2011
Life Member of ASA, IMS, IISA, ICSA, Sigma Xi and Phi
Kappa Phi Member of ENAR, ISI, SIAM
NC-ASA Chapter Conference Organizing Committee member 2007

Departmental Service at NCSU:

Ph.D. Minor Exam Committee
Seminar Committee, 1983-85
Basic Exam Committee, 1984, 1987, 1989, 1990, 1992, 1993
ST371-372 Decennial Review Committee, 1985
Ph.D. Preliminary Written Exam Committee, 1986
Departmental Review Committee, 1987
Merit Scholarship Committee, 1988
Advisor, the Undergraduate Statistics Club, 1987
Beach Trip Committee, 1987
Open House Committee, 1987
Ph.D. Program Review, 1993
Faculty Search Committee, 1987, 1995, 1996, 1997, 2000
Mendenhall Fellowship Committee, 1996 - 2002
Cox Fellowship Committee- 1996 - 2002
Admissions Committee, 1994 - 2002
Homepage Committee, 1994 - present
Paige Plagge Award Committee, 1996 - 2002
Course and Curriculum Committee, 1994 – 2002
Pipeline Workshop Committee, 2006
Infinite Possibilities Committee, 2007

University Service:

University committee on International Programs, 1987
University committee on International Programs, 1990
Member of the Executive Committee- Sigma Xi Honor Society, 1990 - 1992
PAMS Graduate Administrators Committee, 1994-2002
Graduate School Recruiting Task Force, 2000 - 2002
Compact Disc Development Committee for Recruiting, 2000 - 2002
Member of the Graduate Administrative Board, 2001 – 2002
Member of the Assessment Taskforce, 2005
India Advisory Group 2007- 2010
CALS Diversity Council 2008- 2010
NCSU Heads Steering Committee 2009- 2010

OSU- Chair, Vice President for Research Search Committee, 2015
OSU- Member of NSF-ADVANCE Deans Council 2014-2017
OSU- Member of the International Programs Strategic Plan Committee 2016
OSU- Member of Provost Search Committee, 2016
OSU- Chair, Vice President and Chief Diversity Officer Search Committee, 2016
OSU- Member of Executive Director University Industry Partnership Search Committee, 2017
OSU- Infrastructure Working Group, 2015-2017
CSUSB- Several Search Committees; DEI Board; University Budget Advisory Committee;

Ph.D. Students:

Qianyi Zhang* 2008
Dazhe Wang* 2003
Wen Ji* 2003
Kapildeb Sen 2002
Zyenep Kalaylioglu* 2002
Chao-Ping Huang* 1999
Paritosh Dixit* 1998
Amit Sen* 1997
Seongyeon Kim 1997
Hongguang Sun 1996
Elizabeth Morgan* 1996
Shu An* 1994
Tonya Etchison* 1993
Rogelio Ramos 1993
Consuelo Arellano 1992

Ji Zhang* 1990
Marcia Gumpertz* 1989

* Co-chair

Consulting Experience:

Consulted with faculty and graduate students from the following departments at NCSU Animal Science, Botany, Civil Engineering; Computer Science; Crop Science, Economics, Education; Electrical Engineering; Entomology, Foreign Languages; Graphic Communications; Industrial Engineering; Marine Earth and Atmospheric Sciences; Mechanical Engineering Textiles; Traffic Engineering; Water Resources Research Institute.

Courses Taught:

Introductory Probability and Statistics for Engineers
Applied Time Series
Time Series - Time Domain
Statistical Quality Control
Linear Models
Multivariate and Nonlinear Models
Statistics For Management and Social Sciences II
Short courses on Statistical Methods, Quality Control and Design of Experiments for various companies
Independent study - Linear Models, Masters and Ph.D. examination review sessions
Short course on Time Series Analysis, Barcelona, Spain

Areas of Research:

Time series analysis; Spatial Statistics; Linear and nonlinear models; Quality Control

Refereed Publications:

Wang, D., Ghosh, S. K. and **Pantula, S. G.** (2010). "Maximum Likelihood Estimation and Unit Root Test for First Order Random Coefficient Autoregressive Models," *Journal of Statistical Theory and Practice*, 4, 261-278.

Dickey, D. A., and **S. G. Pantula** (2002). "Determining the order of differencing in AR processes." *Journal of Business Economics Statistics*, 20: 18-24.

(20th Anniversary Commemorative Issue- published originally in 1986)

Haines, D. E., K. H. Pollock, and **S. G. Pantula** (2000). "Population size and total estimation when sampling from incomplete list frames with heterogeneous inclusion probabilities*." Survey Methodology*, Vol. 26, No. 2, pp. 121-129.

Sun, H. and **S. G. Pantula** (1999). "Testing for trends in correlated data." *Statistics and Probability Letters*, 41, 87-95.

Park, Y.J. and **S. G. Pantula** (1998). "Variance estimators in the Chu-White test for structural change." *Communications in Statistics- Simulation*, 27(4), 1019-1029.

Gumpertz, M. L. and **S. G. Pantula** (1998). "Random Coefficient regression." In *Encyclopedia of Statistical Sciences*. Ed. Kotz, S., Read, C. and Banks, D. Wiley.

Ramos, R. Q. and **S. G. Pantula** (1995). "Estimation of nonlinear random coefficient models." *Statistics & Probability Letters*, 24: 49-56.

Arellano, C. and **S. G. Pantula** (1995). "Testing for trend stationarity versus difference stationarity." *Journal of Time Series Analysis*, 16:147-164.

Etchison, T., C. Brownie and **S. G. Pantula** (1995). "A Portmanteau test for spatial ARMA models." *Biometrics*, 51: 1536-1542.

Etchison, T., **S. G. Pantula** and C. Brownie (1994). "Partial autocorrelation for spatial ARMA models." *Statistics and Probability Letters*, 21: 9-19.

Pantula, S. G., G. Gonzalez-Farias and W. A. Fuller (1994). "A comparison of unit root test criteria." *Journal of Business and Economic Statistics*, 12: 449-459.

Pantula, S. G. and W. A. Fuller (1993). "The large sample distribution of the roots of the second order autoregressive polynomial." *Biometrika*, 80: 919-923.

Shin, D. and **S. G. Pantula** (1992). "Testing for a unit root in autoregressive processes with systematic but incomplete sampling." *Statistics and Probability Letters*, 18: 183-190.

Gumpertz, M. and **S. G. Pantula** (1992). "Nonlinear regression with variance components." *Journal of the American Statistical Association*, 87: 201-209.

Zhang, J., **S. G. Pantula** and D. Boos (1991). "Robust methods for testing the pattern of a covariance matrix." *Biometrika*, 78: 787-795.

Schaalje, B., J. Zhang, **S. G. Pantula** and K. H. Pollock (1991). "Analysis of repeated measurement data from randomized block experiments." *Biometrics*, 47: 813- 824.

Pantula, S. G. and A. Hall (1991). "Testing for unit roots in autoregressive moving average models: an instrumental variable approach." *Journal of Econometrics*, 48, 325-353.

Pantula, S. G. (1991). "Asymptotic distributions of unit root tests when the process is nearly stationary." *Journal of Business and Economic Statistics*, 9: 63-71.

Pantula, S. G. (1989). "PROBLEM: The asymptotic distribution of the iterated Gauss Newton estimators of an ARIMA process." *Econometric Theory*, 5: 453.

Gumpertz, M. L. and **S. G. Pantula** (1989). "A simple approach to inference in random coefficient models." *The American Statistician*, 43: 203-210.

Pantula, S. G. (1989). "Testing for unit roots in time series data." *Econometric Theory*, 5: 256-271.

Pantula, S. G. (1989). "PROBLEM: Optimal instrumental variable estimator of the AR parameter of an ARMA(1,1) process." *Econometric Theory*, 5: 173.

Pantula, S. G. (1988). "Estimation of autoregressive models with ARCH errors." *Sankhya- Series B*, 50, 119-138.

Amemiya, Y. A., W. A. Fuller, and **S. G. Pantula** (1987). "The asymptotic distribution of some estimators for a factor analysis model." *Journal of Multivariate Analysis*, 22: 51-64.

Dickey, D. A., and **S. G. Pantula** (1986). "Determining the order of differencing in AR processes." *Journal of Business Economics Statistics*, 5: 455-461.

Sengupta, S., B. K. Sinha, and **S. G. Pantula** (1986). "Some inferential aspects of finite population sampling with additional resources." *Journal of Statistical Planning and Inference*, 16: 203-211.

Pantula, S. G. (1986). "On asymptotic properties of the least squares estimators for autoregressive time series with a unit root." *Sankhya- Series A*, 48: 208-218.

Sinha, B. K. and **S. G. Pantula** (1986). "Linear invariance and admissibility in sampling finite populations." *Sankhya- Series B*, 48: 246-257.

Pantula, S. G. (1986). "Comment: Modeling the Persistence of conditional variances, by Engle and Bollerslev." *Econometric Reviews*, 5: 71-74.

Athreya, K. B. and **S. G. Pantula** (1986). "Mixing properties of Harris chain and AR processes." *Journal of Applied Probability*, 23: 880-892.

Athreya, K. B. and **S. G. Pantula** (1986). "A note on strong mixing of ARMA processes." *Statistics and Probability Letters*, 4: 187-190.

Pantula, S. G. and W. A. Fuller (1986). "A computational algorithm for the factor model." *Communications in Statistics- Theory and Methods*, 15: 227-259.

Pantula, S. G. and K. H. Pollock (1985). "Nested analysis of variance with autocorrelated errors." *Biometrics,* 41: 909-920.

Pantula, S. G., L. A. Nelson, and R. L. Anderson (1985). "Estimation of linear models for field experiments." *Communications in Statistics- Theory and Methods*, 14: 2199-2217.

Pantula, S. G. and W. A. Fuller (1985). "Mean estimation bias in the least squares estimation of autoregressive processes." *Journal of Econometrics*, 27: 99-12

Other Articles:

Pantula, S. G. (2021): "Remembering the Past, as We Define the Future!", *The Amstat News*.

Pantula, S. G. (2021). "Sastry's Soliloquy". American Mathematical Society, *Notices*.

Pantula, S. G. (2021). "My ASA Story". *The Amstat News*.

Pantula, S. G. (2015). "Mentoring: It takes a village. Personal Story." A chapter in *Leadership and Women in Statistics*, Editors- Golbeck, Olkin and Gel. CRC Press.

Pantula, S. G. (2105). "ASA Leaders Reminisce," with Cochran, *The Amstat News*, August 2015.

Pantula, S. G. (2014). "Big Data Crunch: The demand for data analysts is exploding." *Terra* magazine, Oregon State University.

Pantula, S. G. (2011). "Statistics: A key to innovation in a data-centric world." *Journal of the American Statistical Association*.

Pantula, S. G. (2010). Twelve articles in *The Amstat News*, Presidential Invited Column.

Pantula, S. G. (2007). "My Trip to the Hill." *The Amstat News*
(also published in Notices, 2008)

Sun, H. and **S. G. Pantula** (1996). "Estimation of noncausal autoregressive processes." Technical Report, Department of Statistics, North Carolina State University.

Park, Y. and **S. G. Pantula** (1996). "Testing for a trend in long memory processes."

Technical Report, Department of Statistics, North Carolina State University.

Park, Y. and **S. G. Pantula** (1996). "Unit root tests in random coefficient models." Technical Report, Department of Statistics, North Carolina State University.

Gan, N. and **S. G. Pantula** (1994). "Testing for trends in autocorrelated series." Proceedings of the American Statistical Association meetings, Toronto.

An, S., P. Bloomfield and **S. G. Pantula** (1993). "Asymptotic properties of the MLE in fractional ARMA processes." Technical Report, Department of Statistics, North Carolina State University.

Potter, R. and **S. G. Pantula** (1992). "Confidence intervals for capability indices in nested experiments." Technical Report, SEMATECH, Austin, TX.

Bloomfield, P., D. Nychka, J. Monahan and **S. G. Pantula** (1990). "Statistics of climate change." Proceedings of 1990 CALS Climate Change Symposium.

Pantula, S. G. and R. Potter (1990). "A note on sample size determination." Technical Report, SEMATECH, Austin, TX.

Pantula, S. G., J. O. Rawlings and T. Arumugham (1989). "Another look at among and within class regressions in analysis of covariance." Technical Report, Department of Statistics, North Carolina State University.

Lu, J. C. and **S. G. Pantula** (1989). "A repeated measurements model for over-stressed degradation data." Technical Report, Department of Statistics, North Carolina State University.

Zhang, J., B. Schaalje, **S. G. Pantula** and K. H. Pollock (1987). "REMACRB: Repeated measures analysis of complete data from randomized block experiments." Institute of Statistics Mimeograph Series # 1912. Department of Statistics, North Carolina State University.

Schaalje, B., J. Zhang, **S. G. Pantula** and K. H. Pollock (1987). "REMAC: Repeated measures analysis of complete data." Institute of Statistics Mimeograph Series # 1911. Department of Statistics, North Carolina State University.

Pantula, S. G. (1985). "Estimation for autoregressive processes with several unit roots." Institute of Statistics Mimeograph Series # 1665. Department of Statistics, North Carolina State University.

Mester, T. C., F. T. Corbin, D. P. Schmitt, A. D. Worsham, L. A. Nelson, **S. G. Pantula** and L. Thompson. (1985). "Response of soybean and morning glory to combinations of PPG-844 and organophosphate insecticide-nematicides." Technical Report, Crop Science, North Carolina State University.

Pantula, S. G. (1984). "Autoregressive Conditionally Heteroscedastic Models." Institute of Statistics Mimeograph Series # 1648. Department of Statistics, North Carolina State University.

Nelson, L. A., **S. G. Pantula**, and R. L. Anderson (1983). "Estimation of linear models for field experiments in series." Proceedings of the 44th Session of the International Statistical Institute.

Seminars: Given over 100 seminars at various conferences and departments.

Date: October 16, 2021