Aramayis Dallakyan

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Research interests

High dimensional time series , statistical/machine learning, computational statistics, graphical models.

Education

Ph.D, Statistics	2018 - 2021(expected)
Texas A&M University	College Station, Tx
Advisor: Dr. Mohsen Pourahmadi	
Ph.D Candidate, Agribusiness and Managerial Economics	2015-2018
Texas A&M University	College Station, Tx
Advisor: Dr. David Bessler	
M.S, Economics	May 2014
Armenian National Agrarian University	Yerevan, AM
B.A, Engineering	June 2008
State Engineering University of Armenia	Yerevan, AM

Teaching Experience

Instructor - Stat 211 PRINCIPLES OF STATISTICS I	Fall,Spring 2018,Fall 2019
Department of Statistics, Texas A&M University	
Instructor - Stat 303 Statistical Methods	Summer 2019
Department of Statistics, Texas A&M University	
Lecturer -Advanced Quantitative Marketing Using R	Summer 2019
Armenian National Agrarian University	
Instructor - PhD Tutorial Classes	Fall 2016- Spring 2018
Department of Agricultural Economics, Texas A&M University	
Instructor - Math Camp	Summer 2017,2018
Department of Agricultural Economics, Texas A&M University	
Teaching Assistant -AGEC 432 Rural Real Estate and Financial Analysis	Spring 2016
Department of Agricultural Economics, Texas A&M University	
Lecturer -Introduction to Agriculture Economics	June 2015
Armenian National Agrarian University	

Publications

- R. G. Bakhtavoryan,O. Capps, V. Salin, and **A. Dallakyan**. (2018). The Use of Time Series Analysis in Examining Food Safety Issues.. *Journal of Food Distribution Research., 2* (49), 57-80.
- R. G. Bakhtavoryan, **A. Dallakyan**,M. Galstyan. (2016). Analysis of Factors Impacting Rural Women's Labor Force Participation in Armenia.. *Collected Articles on the Problems of Sustained Social-Economic Development of Republic of Armenia., 1* (23), 309-322.

Under Review

- **A. Dallakyan** (2019). Nonparanormal Structural VAR. *Journal of Comp. Economics,* (Revise and Resubmit), [R Package Available Soon].
- **A. Dallakyan**, and M. Pourahmadi (2019). Learning Stationarity of Cholesky Factors and Large Covariance Matrices. *,* (Under Review), [R package].

Work in Progress

- **A. Dallakyan**, R. Kim, and M. Pourahmadi (2019). Time Series Graphical Lasso vs Sparse VAR Algorithms. , (Working Project), .
- **A. Dallakyan**, and M. Pourahmadi (2019). Convex Relaxation for Bayesian Network Estimation. , (Working Project), .

Software Developed

- SmoothChol: an R package for learning high dimensional Cholesky Factors and Covariance Matrices, available from Github.

Grants, Awards, and Scholarships

- Second Award- Poster Session   2019
  SETCASA
- Travel Award for Attending JSM Meeting   2019
  Department of Statistics, Texas A&M University
- Diversity Travel Award for Attending SNDE Meeting   2019
  Department of Statistics, Texas A&M University
- Award for Excellence in Research and Communication   2018
  Food Distribution Society (FDRS)
- Travel Award for Attending AAEA Meeting   2018
  Department of Agricultural Economics, Texas A&M University
- Dr Rod F Ziemer Scholarship   2018
  Department of Agricultural Economics, Texas A&M University
- Robert G. Cherry Fellowship   2017 - 2018
  Department of Agricultural Economics, Texas A&M University
- MAB Support Scholarship   2017 - 2018
  Department of Agricultural Economics, Texas A&M University
- Organization of Istanbul Armenians Scholarship.   2016

Professional Workshops

- Instructor,"Quant + Series:Introduction to Financial Analysis"   2018
  Department of Agricultural Economics, Texas A&M University
- Instructor,"Introduction to Python"   2017
  Department of Agricultural Economics, Texas A&M University

Professional Activity

- Senator - Statistics Graduate Student Association   2019-
- Session Moderator - AAEA Annual Meeting   2018

Skills

Language

- Fluent in English, Russian, Armenian (native)

Technical

- Python, R (Rcpp, parallel computing)
- MS Office, LATEX