

ARAMAYIS DALLAKYAN  
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## EDUCATION

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**Ph.D, Statistics** 2018 - present  
*Texas A&M University* College Station, Tx  
Thesis:  
Advisor: Dr. Mohsen Pourahmadi

**Ph.D Candidate, Agribusiness and Managerial Economics** 2015-2018  
*Texas A&M University* College Station, Tx  
Thesis: Three Essays on Machine Learning Application in Economics  
Advisor: Dr. David Bessler

**M.S, Economics** May 2014  
*Armenian National Agrarian University* Yerevan, AM  
Thesis: Yogurt Market Analysis in Armenia Using Hedonic Price model and Perceptual Mapping Method

**B.A, Engineering** June 2008  
*State Engineering University of Armenia* Yerevan, AM  
Thesis: Research and Estimation of the ATM Networks Structural Characteristics

## TEACHING EXPERIENCE

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**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*

**Instructor - PhD Tutorial Classes** Fall 2016- Spring 2018  
*Department of Agricultural Economics, Texas A&M University*

- Weekly review sessions on Micro-Economics, Econometric and Game Theory for first year PhD students .

**Instructor - Math Camp** Summer 2017, 2018  
*Department of Agricultural Economics, Texas A&M University*

**Teaching Assistant - AGE 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*

## RESEARCH EXPERIENCE

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**Researcher** April 2015 – July 2015  
*International Center for Agribusiness Research and Education (ICARE)*

- Agro-Investment Guide (Project financed by Ministry of Agriculture of the Republic of Armenia)

## INDUSTRY EXPERIENCE

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**Merchandise Manager**  
*MAF Carrefour Hypermarkets AM LLC*

August 2014 - April 2015

**Marketing Manager**  
*Fine LLC*

July 2013 - February 2014

**Category Manager**  
*Star Divide CJSC*

August 2011 - June 2013

## PUBLICATIONS

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- 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.

## WORK IN PROGRESS

- **A. Dallakyan**, and M. Pourahmadi (2019). Local Stationarity and Smoothing Subdiagonals of the Cholesky Factor of Large Covariance Matrices.. *Working Project*, (), .
- **A. Dallakyan**, R. Kim, and M. Pourahmadi (2019). Time Series Graphical Lasso vs Sparse VAR Algorithms.. *Working Project*, (), .
- **A. Dallakyan** (2019). Nonparanormal Structural VAR. *Under Review*, (), .

## PRESENTATIONS

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### CONTRIBUTED

#### INVITED

##### **Nonparanormal Structural VAR**

- Seminar Series  
*Department of Agricultural Economics* September 2018  
College Station, Tx

### CONTRIBUTED

##### **Local Stationarity and Smoothing Subdiagonals of the Cholesky Factor of Large Covariance Matrices.**

- JSM  
*Speed Session* July 2019  
Denver, Co.

##### **Nonparanormal Structural VAR**

- SNDE Annula Meeting  
*Selected Paper* November 2019  
Dallas, Tx.

##### **Nonparanormal Structural VAR**

- AAEA Annual Meeting  
*Selected Paper* August 2018  
Washington, WA

##### **Energy Efficiency and Machine Learning**

- USAEE Annual Meeting  
*Selected Poster* October 2017  
Houston, Tx

## Yogurt Market Analysis in Armenia Using Hedonic Price model and Perceptual Mapping Method

- AEA Annual Meeting  
*Selected Paper*

June 2014  
Yerevan, AM

## GRANTS, AWARDS, AND SCHOLARSHIPS

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| • Second Award- Poster Session<br>SETCASA  | 2019        |
| • Travel Award for Attending JSM Meeting<br>Department of Statistics                     | 2019        |
| • Award for Excellence in Research and Communication<br>Food Distribution Society (FDRS) | 2018        |
| • Travel Award for Attending AAEA Meeting<br>Department of Agricultural Economics        | 2018        |
| • Dr Rod F Ziemer Scholarship<br>Department of Agricultural Economics                    | 2018        |
| • Robert G. Cherry Fellowship<br>Department of Agricultural Economics                    | 2017 - 2018 |
| • MAB Support Scholarship<br>Department of Agricultural Economics                        | 2017 - 2018 |
| • Organization of Istanbul Armenians Scholarship.  | 2016        |

## PROFESSIONAL WORKSHOPS

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| • Trainer,"Quant + Series:Introduction to Financial Analysis"<br>Department of Agricultural Economics | 2018 |
| • Trainer,"Introduction to Python"<br>Department of Agricultural Economics                            | 2017 |

## PROFESSIONAL ACTIVITY

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| • Delegate - Statistics Graduate Student Association | 2019-2020 |
| • Session Moderator - AAEA Annual Meeting            | 2018      |

## SKILLS

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### LANGUAGE

- Fluent in English, Russian, Armenian (native)

### TECHNICAL

- Python, R

- MS Office, LATEX

## MEMBERSHIP

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- Agricultural and Applied Economics Association (AAEA)
- American Statistical Association (ASA)