Alireza Farnoush
Clinical Assistant Professor
University of South Carolina, Columbia, SC, USA
alireza.farnoush@moore.sc.edu

Research Interests

- Data Analytics, Natural Language Processing, Data Visualization, Statistical Surveillance, Supply Chain Network Analytics, Logistics
- Misinformation, Health Informatics, COVID-19, Social Media, Blockchain

Education

2016 – 2022 **Ph.D., Industrial and System Engineering – Auburn University,** Auburn, AL
Dissertation: Using Network Analysis and Text Analytic Approaches to Understand Social Media Feeds and Misinformation
Advisors: Dr. Ashish Gupta (Department of Systems and Technology), Dr. Gregory Purdy (Department of Industrial and System Engineering)

2009 -2012 **M.S., Product and Process Development -Production and Logistics, Malardalen University**, Västerås, Sweden.
Thesis: Production Control Mechanism In a Divergent Production Line
Advisor: Magnus Wiktorsson

2003 - 2007 **B.S., Industrial Engineering, Mazandaran University of Science and Technology,** Babol, Iran.

Professional Experience

2022-Present **Clinical Assistant Professor**, University of South Carolina, Columbia USA.
2014 - 2016 **Logistics Engineer**, Abidi Pharmaceutical Co,Tehran Iran
- Supply and Production Planning
2008 - 2009 **Logistics Engineer**, Saipa Diesel Co, Tehran Iran
- Supply and Production Planning

Research Experience

2018-Present **Graduate Research Assistant**, Data Analytic Group, Raymond J. Harbert College of Business.
- Text and network analytic approach to analyze misinformation in COVID-19
- and compare it to true news.
- Text and component-based SEM analytic approach to analyze fake news, satire and true news.
- - A data-driven approach to investigate financial well-being and the characteristics of the board members of the companies that showed their

intention to adopt Blockchain.
- A data-driven approach on predicting woody breast categories in chicken and analyzing the features involved in woody breast.

2009 -2012 **Graduate Research Assistant**, Product and Process Development Department, Malardalen University.
- Investigating and developing an effective way to control and supply material to a divergent production line in an automotive manufacturing company.

Teaching Experience

Fall 2022 **Instructor**, Darla Moore School of Business.
- Applied Statistics for Business, undergraduate level

Fall 2020 **Instructor,** Raymond J. Harbert College of Business
- Application Development with Emerging Technologies (Python), undergraduate level
- Full course responsibility to teach Python

2018-present **Lab Instructor/GTA**, Industrial and Systems Engineering Dept.
- Manufacturing Systems I, undergraduate level
- Responsible for developing lab curriculum, teaching, grading and mentoring students.

2020-present **Other GTAs**, Raymond J. Harbert College of Business
- Quantitative Analysis for Business Decisions, Business Analytic I and II, Quality & Process Improvement.

2016-2018 **Other GTAs**, Industrial and Systems Engineering Dept.
- Probability and Statistics II, Six Sigma, Deterministic Operations Research.

Fall 2021 **Guest Speaker**, Raymond J. Harbert College of Business
- Enterprise Management of the Big Data Environment.

Publications

Published Papers

Gupta, A., Li, Han., Farnoush, A. and Jiang, W.K., 2021. Understanding Patterns of COVID Infodemic: A Systematic and Pragmatic Approach to Curb Fake News. Journal of Business Research [Ranked "A" in ABDC Journal quality list].

Farnoush, A., Gupta, A., Dolarsara, H.A., Paradice, D.and Rao, S., 2021. Going beyond intent to adopt Blockchain: an analytics approach to understand board member and fnancial health characteristics. Annals of Operations Research, pp.1-31 [Ranked "A" in ABDC Journal quality list].

Farnoush, A. and Wiktorsson, M., 2013. POLCA and CONWIP performance in a divergent production line: an automotive case study. Journal of Management Control 24(2), pp.159-186 [Ranked "A" in ABDC Journal quality list].

Farnoush, A. and Wiktorsson, M., 2012. Production control mechanisms and POLCA performance in a divergent production line. Journal of Production Research and Management., 2(3).

Peer-Reviewed Proceedings

Farnoush, A. and Wiktorsson, M.2013, August. Production control mechanisms Proceedings in a convergent production line. In Hamburg International Conference of Logistics. 5-6 Sep 2013 (pp. 319-332). .Lohmar.

Conferences

Farnoush, A.,Gupta, A., Gregory, P., Analyzing the char-acteristics of Facebook posts about the COVID-19 vaccine. (DSI Conference presentation, Houston-USA 2022), https://dsi-annualconference2022.exordo.com/programme/presentation/409.

Farnoush, A.,Gupta,A., Gregory, P., An Approach for Extracting Latent Top-ics from Fake News. (DSI Conference presentation, New Orleans-USA 2019), https://dsi-annualconference2019.exordo.com/programme/presentation/127.

Farnoush, A.,Gupta,A., Dolarsara, H.A., Identifying Indicators of Blockchain Adoption. (INFORMS Conference presentation Phoenix-USA, 2018), https://www.abstractsonline.com/pp8/#!/4701/session/2116.

Professional Services and Membership

2021 Session Chair for Informs Annual Meeting, Anaheim, CA.
2020-present Webmaster in INFORMS Student Chapter, Auburn University.
2019-present Article Reviewer at Information Systems Frontiers.
2019-present Article Reviewer at International Conference on Information Systems
2019-present Article Reviewer at Journal of Modelling Management.
2019-present Article Reviewer at Journal of Business Analytics.

Computer Skills

Analytic Tools: Python, R., SmartPLS, SPSS, JMP, SAS, Tableau
Network Analysis: Gephi, KNIME
Data Visualization: Tableau, Python and some exposure to D3.js.
Database Management: MySQL, Microsoft Access
Discrete Event Simulation: ExtendSim