REZA MOGHIMI, PH.D.

Senior Lecturer of Business Analytics
Cornell University
SC Johnson College of Business, Dyson School of Applied Economics and Management

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ACADEMIC APPOINTMENT

Cornell University
S.C. Johnson College of Business
Charles H. Dyson School of Applied Economics and Management, Senior Lecturer
Senior Lecturer	Jan 2024 – present
Lecturer	Jan 2018 – Dec 2023

Clemson University
Industrial Engineering Department, Lecturer	Summer 2018

EDUCATION

Ph.D., Industrial Engineering, New Mexico State University, Las Cruces, NM	2017
M.S., Industrial Engineering, New Mexico State University, Las Cruces, NM	2013

TEACHING EXPERIENCE

Cornell University
AEM 2010/2011: Spreadsheet Modeling for Management and Economics
Applied decision-making, analytical skills, and problem-solving using spreadsheets

AEM 2820: Introduction to Database Management Systems
Introduces the principles of relational database management systems. The business application of database management (MySQL)

AEM 2830: Excel VBA programming for data analysis and business modeling
Introduction to programming in VBA. Adding new functionalities to Excel workbooks

AEM 2840/5840: Python programming for data analysis and business modeling
Introduction to programming in Python. Data collection, processing, and analysis.

NBA 6430: Managerial Spreadsheet Modeling
Applied decision-making, analytical skills, and problem-solving using spreadsheets. Advanced tools in Excel for data management, analysis, and visualization

eCornell
Excel VBA Analytics – Link to the course webpage
Automating Processes with Macros and Excel VBA. Applying Logic for Efficient Task Processing.
Enhancing the Excel User Experience with VBA. Accessing Advanced Excel Solutions.

Clemson University
IE4910/6910: Topics in Business Analytics (Online)
IE3840: Engineering Economic Analysis (Online)

New Mexico State University
IE413: Introduction to Operations Research

PUBLICATIONS

Almansour, F., **Moghimi, A.**, Yan, Y., Sohn, H., & Reyes, G. (2018). Carbon Capture and Storage Optimization Model with Enhanced Oil Recovery. *Journal of Multidisciplinary Engineering Science and Technology (JMEST),* 5(10).

Escobar, C., **Moghimi, A**., Reyes, G., & Sohn, H. (2018). An Optimization Model for Emergency Medical Service. *Journal of Multidisciplinary Engineering Science and Technology (JMEST),* 5(10).

Reyes, G., Angelis, S., Yan, Y., Sohn, H., **Moghimi, A.**, & Valles-Rosales, D. (2018). Optimization of Bio-fuel Logistics in the Southwestern United States. *Journal of Multidisciplinary Engineering Science and Technology (JMEST),* 5(10).

Zare, M., & **Moghimi, A.** (2017). May the past light the way to the future: Navigating the changes in the field of management education through content analyses of paper published in the JME from 1991-2016. In Guclu Atinc (Ed.), *Proceedings of the Seventy-seventh Annual Meeting of the Academy of Management*, 2151 (Barry Armandi Award Winner for Best Student Paper in Management Education and Development).

Moghimi, A., Meyer, S., Muhanga, A., & Sohn, H. (2012). Assessment of impact of city of Las Cruces SAFE traffic operations program on intersection traffic safety, city council meeting Las Cruces, NM.

SEMINAR AND CONFERENCES

Moghimi, A., & Sohn, H. (2017). Financial Evaluation of Large-Cap Companies on the Stock Market; Artificial Neural Networks Approach to Stock Picking. Informs Annual Conference. Houston, TX.

Moghimi, A., & Sohn, H. (2017). Financial Performance Forecasting of Large-cap Companies on U.S. Stock Market Using Artificial Neural Networks. Informs Business Analytics Conference. Las Vegas, NV.

Moghimi, A., & Sohn, H. (2016). Application of Artificial Neural Network in financial data analysis. Graduate Research and Arts Symposium. Las Cruces, NM.

Moghimi, A., & Sohn, H. (2015). Analysis of the camera enforcement program by empirical Bayes method. Institute of Industrial and Systems Engineers Annual Conference. Nashville, TN.

Moghimi, A., & Sohn, H. (2014). Assessment of the red-light and speeding camera enforcement program in the city of Las Cruces: before-and-after crash data analysis. HENAAC Great Minds in STEM annual conference. New Orleans, LA.

Moghimi, A., & Sohn, H. (2014). An observational before-after study of the city of Las Cruces camera enforcement program. Graduate Research and Arts Symposium. Las Cruces, NM.

Garcia-Mendoza, J., **Moghimi, A.**, & Sohn, H. (2014). Intersection traffic safety: red-light violation analysis. Emerging Researchers National (ERN) Conference in STEM (***Won 1st place in poster presentation competition***). Washington, D.C.

Torres, J., **Moghimi, A.**, & Sohn, H. (2014). The non-parametric analysis and observational before-and-after study of the speeding violations data. Emerging Researchers National (ERN) Conference in STEM (***Won 2nd place in poster presentation competition***). Washington, D.C.

RESEARCH INTEREST

Natural Language Processing, Data Mining, Financial Data Analysis

GRANTS AND AWARDS

Poets & Quants, Top 50 Undergraduate Business Professors	2025
Cornell Dyson, Incorporating Generative AI in Course Design and Evaluation Curriculum development and innovation fund - $4000	2025
Microsoft Most Valuable Professional (MVP)	2024 -2025
State University of New York (SUNY) Chancellor's Awards for Excellence in Teaching	2024
Cornell SC Johnson College, Dean's Distinguished Award for Teaching Innovation; Inaugural winner, course development - $50,000	2023
Cornell Dyson, Teaching Excellence Award – Undergraduate Program	2021
Barry Armandi Award, Best student paper in Management Education and Development	2017
Emerging Researchers National (ERN), 1st place in poster presentation competition	2014
New Mexico State University, Alumni out-of-state scholarship	2011 – 2012

SERVICE

Cornell, Artificial Intelligence in Dyson Education (AIDE) Review Committee	2025
Cornell, OTIM area Teaching Development Committee	2024 – present
Cornell, CALS Faculty and Staff Awards Review Committee	2024 – present
Cornell, CALS Diversity and Inclusion Committee	2022 – present
Cornell, Dyson Faculty Fellow for Inclusive Excellence	2022 – present
Cornell, College of Agriculture and Life Sciences (CALS) Curriculum Committee	2020 – 2025
Cornell, Dyson Undergraduate Studies Committee	2019 – 2020, 2022 – 2025
Cornell, SC Johnson College of Business, Leadership Council on DIEB	2020 – 2023
Cornell, Dyson Undergraduate and MPS Curriculum Review Committee	2022 – 2023
Cornell, Dyson Academic Achievement and Petitions Committee	2021 – 2022
Cornell, Dyson Academic Integrity Board	2020 – 2022
Cornell, Dyson Assurance of Learning Committee	2020 – 2022
Academy of Management, MED Award Referee	2020 – present

Faculty advisor for Dyson's Students, providing academic and career counseling
Faculty advisor for the National Organization of Business and Engineering at Cornell (NOBE)

CONSULTING

Cornell SC Johnson College of Business academic consulting project with Mahindra University,
Program and curriculum development for Computational Business Analytics degree.

Cornell SC Johnson College of Business academic consulting project with VinUniversity,
Course development – Database and Big Data.

PROFESSIONAL ASSOCIATIONS

Microsoft Most Valuable Professional (MVP)
Institute for Operations Research and the Management Sciences (INFORMS)
Institute of Industrial and Systems Engineers (IISE)