REZA MOUSAVI

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PROFESSIONAL EXPERIENCE

University of Virginia   05/2020 - Present
Assistant Professor of Commerce

University of North Carolina at Charlotte   07/2016 – 05/2020
Assistant Professor of Business Information Systems
Assistant Professor of Data Science and Business Analytics

State Farm Insurance Co., Bloomington, IL   09/2015 – 08/2016
Lead Data Scientist

Arizona State University, Tempe, AZ   08/2011 – 05/2016
Graduate Associate

EDUCATION

Arizona State University   08/2011 – 5/2016
PhD in Business Administration, Computer Information Systems Concentration

University of Tehran   09/2008 – 02/2011
MBA, Operations Management Concentration

Sharif University of Technology   09/2002 – 06/2007
BSc, Engineering

APPLICATIONS & MODELS
APPLICATIONS:
- ResTweet: https://mousavi-gradio.pods.uvarc.io
- ResText: https://huggingface.co/spaces/paragon-analytics/ResText
- Other applications/ models: https://huggingface.co/paragon-analytics

MODELS:
- Fine-tuned T5 Paraphrasing Model: https://huggingface.co/paragon-analytics/t5_para
- Fine-tuned RoBERTa Model: https://huggingface.co/paragon-analytics/bert_resil

RESEARCH EXPERIENCE

Peer Reviewed Journal Articles:

Atkinson, M., **Mousavi, R.,** Windett, J. (2022). Detecting diverse perspectives: using text analytics to reveal sex differences in Congressional debate about defense. *Political Research Quarterly,* 76(1), 75-89.

Mousavi, R., & Zhao, K. (2022). Examining the Impacts of Airbnb's Review Policy Change on Listing Reviews. *Journal of the Association for Information Systems,* 23(1), 303-328.

Martin, J., **Mousavi, R.,** Saydam, C. (2021) "Predicting emergency medical service call demand: A modern spatiotemporal machine learning approach," *Operations Research for Health Care (ORHC)*, 28, 100285.

Mousavi, R., Raghu T. S., and Frey. K. (2020). Harnessing Artificial Intelligence to Improve the Quality of Answers in Online Question-answering Health Forums. *Journal of Management Information Systems,* 37(4), 1073-1098.

Mousavi, R., Johar, M., Mookerjee, V. (2020). The Voice of the Customer: Managing Customer Care in Twitter. *Information Systems Research,* 31(2), 340-360.

Mousavi, R., Gu, B. (2019). The Impact of Twitter Adoption on Lawmakers' Voting Orientations. *Information Systems Research,* 30(1), 133-153.

Under Revision/ Review Articles:

Mousavi, R., Gu, B. The Effect of Governors' Resilience Tweeting on Community Compliance during COVID-19 Pandemic. Under Revision at *Information Systems Research.*

Fowler, S.**,** Stylianou, A., Lowry, P. **Mousavi, R.,** Zhang, D, Reid, S. Words Matter When Gangs Cyberbang: Predicting Imminent Urban Violence from Gang Members' Social Media Posts. Under Revision at *Information Systems Research.*

Li, J., Montgomery, N., **Mousavi, R.** How a Brand's Social Media Response to Social Justice Activism Impacts Consumer Perceptions: The Role of Brand Relationship Norms. Under Review at *Information Systems Research*.

Peer Reviewed Proceedings & Presentations:

Mousavi, R., & Gu, B. (August 2022). The Effect of Governors' Resilience Tweeting on Community Compliance during COVID-19 Pandemic. *82nd Annual Meeting of the Academy of Management*. Seattle, WA.

Li, J., Montgomery, N., **Mousavi, R.** (November 2021) Brands' Social Media Strategies During Social Activism. *Conference on Information Systems and Technology*. Newport Beach, CA.

Wang, X., Mousavi, R., Hong, Y. (November 2020) The Unintended Consequences of Stay-at-Home Policies on Work Outcomes: The Impacts of Lockdown Orders on Content Creation. *Conference on Information Systems and Technology*. Virtual. NOMINATED FOR BEST PAPER AWARD.

Fowler, S., Stylianou, A., **Mousavi, R.**, Shannon, R., Zhang, D. (December 2019) Predicting Violent Crime with Gang Social Media Postings. *International Conference on Information Systems (ICIS).* Munich, Germany.

Atkinson, M.**, Mousavi, R.**, Windett, J. (April 2019). Women at War: How Gender Shapes Congressional Debate on Defense and Foreign Affairs. *Midwest Political Science Association Conference.* Chicago, IL.

Mousavi, R., Subramaniam, C., Stylianou, A., Santanam, R. (December 2018). The Impacts of Participation in Health Information Exchanges on Patient Outcomes during Hurricane Sandy. *2018 HITS- Health Information Technology Symposium.* San Francisco, CA.

Chen, V., **Mousavi, R.**, Wlodek, Z. (November, 2018). Knowledge mining in scientific literature for complex social problems: An example using multi-stakeholder performance management. *INFORMS Annual Meeting.* Pheonix, AZ.

Mousavi, R., Johar, M. (May, 2017). The Voice of the Customer: Managing Customer Care in Twitter. *Production and Operations Management Annual Conference.* Houston, TX.

Mousavi, R., Johar, M., Mookerjee, V. (December, 2017). A Stochastic Control Model for Developing a Response Strategy to Customer Sentiment in Twitter. *Workshop on Information Technologies and Systems (WITS).* Seoul, S Korea.

Mousavi, R., Santanam, R. (February, 2015). Assessing Order Effects in Online Community-based Health Forums. *2015 International Conference on Information Systems (ICIS).* Fort Worth, TX.

Mousavi, R., Gu, B. (February, 2015). The Impact of Twitter Adoption on Decision Making in Politics. *48th Hawaii International Conference on System Sciences (HICSS).* Kauai, HI. (Nominated for the Best Paper Award at HICSS, Invited for presentation at the annual meeting of American Political Science Association in 2014, Presented at WISE and CIST 2014).

Mousavi, R., Gu, B., Vinze, A. (October, 2014). The Role of Online Social Networks in Political Polarization. *20th Americas Conference on Information Systems (AMCIS).* Savanah, GA.

Mousavi, R., Balthazard, P. (February, 2013). Neurophysiologic Patterns of Learning in Decision Groups. *46th Hawaii International Conference on System Sciences (HICSS).* Maui, HI.

Mousavi, R., Demirkan, H. (February, 2013). The Key to Social Media Implementation: Bridging Customer Relationship Management to Social Media. *46th Hawaii International Conference on System Sciences (HICSS).* Maui, HI.

Mousavi, R., Demirkan, H. (November, 2012). Quality of Service Modeling for Internet Service Providers. *INFORMS Annual Meeting.* Phoenix, AZ.

GRANTS & HONORS

- 3Cavaliers, University of Virginia (May 2021) ($65,000), Co-PI with Hudson Golino and Malinda Whitlow.

- AWS Credits, Funded by Amazon Web Services (January 2021) ($4,000), PI: Reza Mousavi.

- Google Cloud Platform, Funded by Google Inc. (January 2021) ($16,500), PI: Reza Mousavi.

- Fellow at International Conference on Information Systems Doctoral Consortium, Fort Worth, TX, December 2015.

- Fellow at WITS Doctoral Student Proposal Competition, Fort Worth, TX, December 2015.

- Nominated for Graduate and Professional Student Association Teaching Excellence Award, Arizona State University, Fall 2015.

- Nominated for Best Paper Award, Hawaii International Conference on System Sciences, Kauai, HI, January 2015.

- Winner of Best Conference Paper Award (Research in Progress), Americas Conference on Information Systems, Savannah, GA, 2014.

- Fellow at Americas Conference on Information Systems Doctoral Consortium, Savanah, GA, August 2014.

- Fellow and recipient of funding at Columbia-Duke-UCLA Workshop on Quantitative Marketing and Structural Econometrics, Duke University, August and September 2013.

- Research Fellowships and Scholarships, Department of Information Systems, W. P. Carey School of Business, Arizona State University, 2011, 2012, 2013, 2014, 2015.

- Research Travel Grant, Department of Information Systems, W. P. Carey School of Business, Arizona State University, 2012, 2013, 2014, 2015.

TEACHING EXPERIENCE

Data Analytics 2 & 3, Graduate program (Master of Science in Business Analytics), University of Virginia, Spring 2021 to present, Charlottesville, VA.

Programming for Data Science, Graduate program (Master of Science in Commerce), University of Virginia, Spring 2021 to present, Charlottesville, VA.

Business Analytics with Python, Undergraduate program (Bachelor of Science in Business Analytics), University of Virginia, Spring 2021 to present, Charlottesville, VA.

Advanced Business Analytics, Graduate programs (MBA, Data Science and Business Analytics, Computer science, Mathematical finance), University of North Carolina at Charlotte, Spring 2017 to present, Charlotte, NC.

Advanced Business Analytics, Undergraduate program, University of North Carolina at Charlotte, Fall 2017 to present, Charlotte, NC.

Business Data Mining, Business Analytics Program, W. P. Carey School of Business, Arizona State University, Spring and Summer 2015, Tempe, AZ.

Project Management, Computer Information Systems Program, W. P. Carey School of Business, Arizona State University, Spring 2014, Tempe, AZ.

SKILLS

Data Science Skills: Proficient in data science and natural language processing, working with big data platforms such as Hadoop, Spark, and H2O, employing machine learning techniques, econometrics, and statistics.

Computer Skills: Proficient in Python, R, MATLAB, SQL, Pig, Hive, STATA, SAS/ Miner, and SPSS/ Modeler.

SERVICE

Dissertation Committee Member, Hossein Hematialam, Ph.D. in Computer Science, University of North Carolina at Charlotte, "Knowledge Extraction and Analysis of Medical Text with Particular Emphasis on Medical Guidelines," Graduation: May 2021.

Dissertation Committee Member, Maryam Tavakoli Hosseinabadi, Ph.D. in Computer Science, University of North Carolina at Charlotte, "Heterogeneous Feature Integration for Regression in Multimodal Healthcare Applications," Graduation: September 2020.

Associate Editor, International Conference on Information Systems, December 2021.

Session Chair, INFORMS Annual Meeting, October 2021.

Ad hoc reviewer for ISR, MISQ, JMIS, JAIS, ISF, DSS, ICIS, HICSS, WITS, and AMCIS