

Morteza Maleki

Georgia Tech Social Dynamics and Wellbeing Lab (SocWeB)
UofSC Artificial Intelligence and Systems Lab (AISys)

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Research Interests

Statistics, Machine Learning, Computational Social Science, Graphical Models, Causal Inference, Network Science

Education

Georgia Institute of Technology , Atlanta, Georgia	2020 - Exp. 2022
Master of Science in Analytics – Computational Analytics	
University of South Carolina , Columbia, South Carolina	2015 - 2017
Master of Science in Inorganic Chemistry	
University of Tehran , Tehran, Tehran	2010 - 2014
Bachelor of Science in Applied Chemistry	

Research Experience

Preprint Papers

- **People in Pandemic: Factors Impacting Compliance with Interventions, *Sustainability* (2021)** [Link](#)
Morteza Maleki, Mohsen Bahrami, Monica Menendez, Jose Balsa-Barreiro, Sandy Pentland
(*Collaboration with MIT Media Lab and NYU Research Center for Interactive Urban Networks*)

Working Papers

- **Intelligent Gamified Approach to Vaccine Promotion among Vulnerable Populations**
Morteza Maleki, Mohammadali Javidian, Pooyan Jamshidi, Greg Trevors
(*Collaboration with UofSC Causal AI Lab*)
- **Understanding Misinformation on Mobile Instant Messengers in Developing Countries**
Eaman Jahani, **Morteza Maleki**
(*Collaboration with MIT IDSS postdoctoral researcher*)
- **Impact of Gratitude on Wellbeing of Individuals on Twitter**
Munmun De Choudhury, Louis Tay, **Morteza Maleki**, Abhirup Mondal
(*Collaboration with Georgia Tech SocWeB Lab*)

MIT Policy Hackathon

- **Health Equity Dashboard: A step towards countering health disparities** [Link](#)
Morteza Maleki, Mohsin Khan, Maxim Sinelnikov, Xingyan Lin, Thodoris Bias
(*Collaboration with researchers from Berkeley, Northeastern, Tias, and Saint Petersburg University*)

Software Developments

R Package: causalinference

- **Collection of functions to estimate causal effects using various causality methods** [Link](#)
Morteza Maleki, Mohammad Ali Javidian, Pooyan Jamshidi
(*Collaboration with UofSC Causal AI Lab*)

Professional Experience

PricewaterhouseCoopers (PwC) , South Carolina, United States Advanced Data Analytics Senior Associate, Advisory	2021 - Present
University of South Carolina (UofSC) , South Carolina, United States Research Specialist, Computer Science & Engineering	2021 - Present
Nephron Pharmaceuticals , South Carolina, United States Associate Data Scientist, Information Sciences	2018 - 2020
University of South Carolina , South Carolina, United States Graduate Teaching Assistant, Arts & Sciences	2015 - 2017

Recent Talks

MIT React Invited Speaker

- Invited speaker at Career in Tech Series by MIT React [Link](#) 2021

MIT Policy Hackathon

- Presenter of Interactive Dashboard for Health Equity [Link](#) 2021

Honors and Awards

MIT Policy Hackathon

- Selected as Top 3 Finalist in Providing Solutions for COVID-19 Issues [Link](#) 2021

MIT React Full Scholarship

- Recipient of MIT React Full Scholarship for completing DEDP Micromasters [Link](#) 2021

Best Teaching Award

- Best Teaching Assistant Award for Excellence in Teaching by UofSC [Link](#) 2021

Certificates

Micromasters Program

- Statistics and Data Science, MIT [Link](#) Dec 2022
- Data, Economics, and Development Policy, MIT [Link](#) [Link](#) Jan 2021

Social Networks & Causality

- Crash Course in Causality, UPenn [Link](#) Oct 2021
- Social and Economic Networks, Stanford [Link](#) Jun 2021

Deep Learning & Programming

- Mastering R for Data Science, LinkedIn Learning [Link](#) Oct 2021
- Computational Thinking using Python, MIT [Link](#) Jun 2021

Skills

Programming Skills

- R, Python, Tableau, Alteryx, Power BI, JavaScript, HTML, CSS, SQL, LaTeX

Research Skills

- Manuscript Preparation, R Package Development, Grant Writing, OverLeaf Scripting, Collab. & Networking

Technical Skills

- Deep Learning Modeling, Causal Impact Estimation, Advanced Regression Analysis, Spatial Data Visualization

