Adam Badawy

CONTACT
INFORMATION

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EDUCATION

University of Southern California
Ph.D. in Computational Social Science, May 2020
∗ Certificate in Social Science Research Methods, 2017
∗ Advisers: Emilio Ferrara & Patrick James
∗ Committee: Pablo Barberá
∗ Lab: Machine Intelligence and Data Science (MINDS) laboratory

George Washington University
Master of Arts in Security Policy Studies, 2014

University of California, Los Angeles
B.A. in Middle Eastern Studies, 2011

RESEARCH
INTERESTS

Methodological: Machine Learning, Social Network Analysis, & Natural Language Processing

Substantive: Detecting and Measuring Malicious activities and Political Behavior on Online Social Networks

PAPERS

1. **Badawy, A**, Addawood, A., Lerman, K. & Ferrara, E "Characterizing the 2016 Russian IRA Influence Campaign", *Arxiv Pre-print,* 2018.

2. **Badawy, A**, Lerman, K. & Ferrara, E "Who Falls for Online Political Manipulation?", *Arxiv Pre-print v1,* 2018.

3. **Badawy, A**, Ferrara, E & Lerman, K. "Analyzing the Digital Traces of Political Manipulation: The 2016 Russian Interference Twitter Campaign", *Advances in Social Network Analysis and Mining* (ASONAM), 2018.

4. **Badawy, A** & Ferrara, E. "The Rise of Jihadist Propaganda on Social Networks", *Journal of Computational Social Science*, 2018.

BOOK
CHAPTERS

1. Badawy, A., James, P., Olson, E. "Rivalries in the Middle East: A Time Series Analysis".

RESEARCH
EXPERIENCE

Data Science Intern, Tala, Summer 2018
- Worked on building temporal SMS/call network features that contributed to the prediction of fraudulent users
- Researched and implemented machine learning techniques on SMS/call networks that were incorporated in larger machine learning models for prediction of fraudulent users and credit worthiness
- My experience at Tala on Medium:"Fighting Fraud with Adam Badawy, Tala's Summer Data Science Intern," Aug 29, 2018.

Research Assistant, Machine Intelligence and Data Science Lab (MINDS), 2016 - Present
- Working with Professors Emilio Ferrara and Kristina Lerman on a project aimed at understanding and predicting the role of trolls and bots in politics, particularity on large online social networks
- Worked on a project led by Professors Aram Galstyan and Emilio Ferrara aimed at predicting conflict using heterogeneous big data sources

Service Reviewer for: IEEE International Conference on Data Mining (ICDM), The Web Conference (WWW), International AAAI Conference on Web, Social Media (ICWSM), Social Media & Politics, and Behavior Research Methods, and European Physical Journal Data Science.

Skills *Software*

- Advanced: Python, Gephi, LaTeX
- Intermediate: R, Git
- Beginner: SQL

Languages

English (native), Arabic (native)

Invited talks Game Innovation Lab (University of Southern California).

Additional Training Summer School on Behavioral Economics and Psychology, Prague, Summer 2016

Empirical Implications of Theoretical Models, Italy, Summer 2017

Professional Memberships Association for Computing Machinery (ACM)

American Political Science Association (APSA)

International Studies Association (ISA)

Mentions in Media Outlets PBS NewsHour, "Inside the study showing conservatives retweeted Russian trolls 30 times more often than liberals," Feb 28, 2018.

Infobae, "El periodismo profesional necesita muchos recursos para poder mantenerse. Si desea compartir esta nota utilice los conos que aparecen en la pgina o comparta este," Feb 24, 2018.

VOX, "Study: Conservatives amplified Russian trolls 30 times more often than liberals in 2016," Feb 24, 2018.

MIT Technology Review, "US conservatives spread tweets by Russian trolls over 30 times more often than liberals," Feb 23, 2018.

MIT Technology Review, "Data Mining Reveals the Rise of ISIS Propaganda on Twitter," Feb 10, 2017.

Professional Experience Quality Evaluator, Google, 2015

Program Assistant, George Washington University, 2013

Intern, International Technology & Trade Associates (ITTA), 2013

Associate, USAID-Funded Project (ALROWAD), 2012

Program Assistant, U.S. & Foreign Commercial Service (USFCS), U.S. Embassy in Cairo, 2011

Program Assistant, U.S. Department of State, Near Eastern Affairs Bureau, 2010

Program Intern, Congressman Howard Berman District Office, 2010 & 2012

Last updated: December 6, 2018