Mustafa W. Alam

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Education

2025 (expected)	Ph.D.	Economics	Clemson University
2019	B.S.	Aerospace Engineering (Astronautics)	Penn State
2019	B.S.	Economics (Minor. Mathematics)	Penn State

Research Fields of Interest

Industrial Organization, Information Economics, Applied Econometrics, Network Theory

Research

Working Papers
"Media Bias and Offline Polarization in the Online Era" [Job Market Paper]

Work in Progress
"Optimal Supply of Fact-Checking in a Compartmental Model of Misinformation Propagation" with Patrick Warren & Morgan Wack
"Evolution of Political Information Ecosystems on YouTube: A Co-Subscription Network Approach"
"An LLM-aided Measure of Media Bias from Social Media Text Data"

RA Work
Research Assistant: Media Forensics Hub, Clemson University (Fall 2023, 24; Spring 2024 & Summer 2024)

Teaching Experience

Instructor of Record: Economic Concepts (Fall 2021, 22; Spring 2022, 23 & Summer 2021, 22, 23)

Teaching Assistant (Recitation): Principles of Macroeconomics (Spring 2021)

Teaching Assistant: Financial Economics (Spring 2021), Intermediate Microeconomics (Spring 2020, 21), Principles of Microeconomics (Fall 2020)

Presentations

Clemson Applied Theory Reading Group (2024), Media Forensics Hub Lunch (2024), Clemson Public Workshop (2024), Clemson IO Workshop (2021, 2022, 2023), Clemson Labor Workshop (2021)

Selected Awards

Media Forensics Hub Summer Assistantship, Clemson University
The Francis M. and Herman N. Hipp Fellowship, Clemson University
Charles G. Koch Annual Fellowship, Clemson University
John E. Walker Department of Economics Assistantship, Clemson University

Computational Skills

Methods: *Unsupervised Learning* (e.g., UMAP, K-means, HDBSCAN, Louvain, PCA), *Supervised Learning* (e.g., Gradient Boosting, Decision Trees, Random Forests, SVM, LASSO, Elastic-Net), *High-Performance Computing* (SLURM & PBS job scheduling), *Algorithmic Text Analysis* (using LLMs, TF-IDF, LDA, n-grams, word embeddings, etc.)
Programming Languages: Python, MATLAB, R, Mathematica
Software and Tools: LaTeX, Git/GitHub, SQL, Simulink, SolidWorks, FieldView

Last updated: October 9, 2024