ADWAY S. WADEKAR

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Education:

Duke University, Durham, N.C. (2021-2025)

B.S. in Economics and Mathematics.
- *GPA:* 3.964.
- *Minor:* History.
- *Relevant Coursework:* Probability (MATH 230); Intermediate Microeconomics (ECON 201); Regression Analysis (STA 210); Mathematics of Regression (STA 211); Research Seminar in Social Media and Political Polarization (SOCIOL 490).

Selected Professional Experience:

Research Technician, Human Rights Institute, University of Connecticut (May 2021 – Present)
- Conducted social network mining and analysis to model and understand attacks on human rights defenders in Colombia, Guatemala, and Serbia.
- Pulled, cleaned, and labeled messages from Twitter and other platforms. Analyzed them via computational techniques.
- Analysis from summer work to be included in upcoming paper from the Human Rights Institute.

The Duke Chronicle

University News Editor (April 2021 – Present)
- Pitch and write stories, leading The Chronicle's coverage of University news while serving as a mentor to younger writers.
- Aim to increase coverage of underrepresented populations within the University—specifically staff members.
- Copyedit articles, ensuring that they follow Chronicle/AP style.

Staff Reporter (Oct. 2021 – March 2021)
- Reported on over 25 university news stories about administrative actions and policies and their impact on students and other members of the university community.

Social Media and Recruiting Data Analyst, Duke Men's Basketball (Sep. 2021 – Present)
- Analyze social media data from Duke Men's Basketball (one of the most successful Division 1 programs in NCAA history) and other NCAA Division I programs. These analytics are used in presentations to recruits.
- Suggest content, based on analysis of recent and historical basketball games, and with an eye towards recruiting to improve the reach and engagement of Duke Basketball.

Teaching Assistant/Grader, Department of Mathematics, Duke University (Sep. 2021 – Present)
- Teaching assistant in the math help room for undergraduate students. Responsible for 3 hrs/wk of TAing.
- Assisted students with understanding course material from single variable calculus classes of varying levels.
- Grader for MATH 112 (Integral Calculus). Responsible for 4 hrs/wk of grading.

Teaching Assistant, The Fuqua School of Business, Duke University (Sep. 2021 – Present)
- Undergraduate teaching assistant for DECISION 618: Data Analytics for Business, taught every Fall Semester I to MBA and MQM students.
- Assisted students in using the R Programming language to analyze both quantitative and qualitative data.

- Course material includes various topics in decision and social sciences. These include health risk prediction, social media analysis, and text mining, among others.

Selected Publications:

1. **A.S. Wadekar**, "A Psychosocial Approach to Predicting Substance Use Disorder (SUD) Among Adolescents", Full-length Research Article, *Proceedings of the IEEE/ACM International Conference on Social Networks Analysis and Mining,* The Hague, Netherlands, December 2020. doi: 10.1109/ASONAM49781.2020.9381378

2. **A.S. Wadekar**, "Understanding Opioid Use Disorder using Tree-based Classifiers", Full-length Research Article, *Drug and Alcohol Dependence*. (Impact factor 4.492), vol. 208, March 2020. doi: 10.1016/j.drugalcdep.2020.107839

3. **A.S. Wadekar**, "Grade-level participation in the AP curriculum", Full-length Research Article, *Proceedings of the IEEE Integrated STEM Education Conference*, Princeton, NJ, 2018. doi: 10.1109/ISECon.2018.8340512

Ad-hoc referee service: Journal of the American Medical Informatics Association; Drug and Alcohol Dependence.

Selected Honors and Awards:

1. Huang Fellow, Duke University (2022).
2. Regeneron Science Talent Search: Scholar Award (2021).
3. New England High School Journalism Collaborative: Summer Workshop Finalist (2020).
4. Advanced Placement Scholar Awards: National AP Scholar (2020); AP Scholar with Honor (2019).
5. Intel International Science and Engineering Fair: Cert. of Honorable Mention, American Statistical Assn. (2019).
6. Junior Science and Humanities Symposium: National Finalist (2019); S. New England Region First Place (2019).
7. Community Youth Excellence Award (2 students chosen of ~75), India Association of Greater Boston (2020).

Technical Skills:

R, Python, LaTeX, Excel, Photoshop.