

ADWAY S. WADEKAR

e-mail: adway.wadekar@duke.edu

Education:

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

Bachelor of Science in Mathematics and Economics.

Minor in Sociology.

Relevant Coursework: MATH 230 (Probability / Grade: A); ECON 201D (Intermediate Microeconomics / Grade: A); SOCIOL 490S (Research Seminar: Social Media and Political Polarization / Grade: A+); STA 210 (Regression Analysis / Grade: A).

Cumulative GPA: 3.964.

Selected Professional Experience:

Teaching Assistant/Grader, Duke University (Sep. 2021 – Present)

- Undergraduate teaching assistant for various courses at Duke University, both within the Department of Mathematics and the Fuqua School of Business. TA for DECISION 618 (Fuqua / Data Analytics for Business); MATH 105-112 (introductory calculus sequence). Grader for MATH 112 (integral calculus) and MATH 230 (probability theory).

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 ranging from network analysis to interpretable classification models.

Social Media and Recruiting Data Analyst, Duke Men's Basketball (September 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. Responsible for in-game content, requiring a time commitment for each of the 30+ games and other team events.

University News Editor (April 2022 – Present); *Staff Reporter* (Oct. 2021 – April 2022), The Duke Chronicle

- 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, graduate students, international students and non-tenure track faculty. Copyedit articles, ensuring that they follow *Chronicle* and AP style.

Peer-reviewed Publications:

1. Wadekar, A.S. (2020). A psychosocial approach to predicting Substance Use Disorder (SUD) among adolescents. *Proceedings of the IEEE/ACM International Conference on Social Networks Analysis and Mining*, 819-826. doi: [10.1109/ASONAM49781.2020.9381378](https://doi.org/10.1109/ASONAM49781.2020.9381378)
2. Wadekar, A.S. (2020). Understanding Opioid Use Disorder using tree-based classifiers., *Drug and Alcohol Dependence*, 208, 107839. (IF: 4.492). doi: [10.1016/j.drugalcdep.2020.107839](https://doi.org/10.1016/j.drugalcdep.2020.107839)
3. Wadekar, A.S. (2018). Grade-level participation in the AP curriculum. *Proceedings of the IEEE Integrated STEM Education Conference*, 98-103. doi: [10.1109/ISECon.2018.8340512](https://doi.org/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 in the Duke Initiative for Science and Society, 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); Southern 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 (advanced), Python, Javascript, LaTeX, Photoshop.