ADWAY S. WADEKAR

e: adway.wadekar@duke.edu   Last Updated: 07.25.2021

p: 508-335-9508

Education:

Duke University

A.B., Sociology and Political Science, Expected Graduation in 2025.

Minor in Statistical Science.

Saint John's High School

Relevant Advanced Placement Coursework: Microeconomics, Statistics, Macroeconomics, Psychology, European History, BC Calculus, English Language & Composition, Physics 1, US History, US Government & Politics — (5/5); French Language and Culture, Physics C: Mechanics — (4/5).

Selected Work 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.
-   Research involves pulling, cleaning, labeling messages from Twitter and other platforms, and analyzing them via computational techniques.

Photographer in Residence, Town of Westborough (July 2019 – January 2021)
-   This position was established to advance Westborough's long tradition of preserving its history through photographs.
-   My artistic vision, which informs my photography, is to explore Westborough through the eyes of young children.

Writer and Photographer, The Community Advocate Newspaper (April 2018 - Present)
-   Curate local events and happenings and pitch story ideas directly to the managing editor.
-   Attend events in person; conduct in-depth reporting incorporating interviews from multiple sources.

Publications and Working Papers:

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.
2. **A.S. Wadekar**, B.K. Madras, "Association of Perceived Parental Attitudes Towards Substance Use and Offspring Use of Tobacco, Alcohol, Marijuana and Other Drugs", Submitted and Under Review, November 2020.
3. **A.S. Wadekar**, "Understanding Opioid Use Disorder using Tree-based Classifiers", Full-length Research Article, *Drug and Alcohol Dependence.* (Impact factor 3.951), vol. 208, March 2020.
4. **A.S. Wadekar**, "Predicting Opioid Use Disorder Using a Random Forest", Fast Abstract (2-pages), *Proceedings of the IEEE Conference on Computers, Software and Applications*, Milwaukee, WI, July 2019 (40% accept rate).
5. **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.

* Referee service: Journal of the American Medical Informatics Association (JAMIA); Drug and Alcohol Dependence.

Selected Honors and Awards:

1. Regeneron Science Talent Search: Scholar Award (2021).
2. Advanced Placement Scholar Awards: National AP Scholar (2020); AP Scholar with Honor (2019).
3. Intel International Science and Engineering Fair: Certificate of Honorable Mention (One of the ten best projects using statistical analysis, worldwide), American Statistical Association (2019).
4. Finalist (~15% accept rate), New England High School Journalism Collaborative Summer Workshop (2020).
5. Junior Science and Humanities Symposium: National Finalist (2019); S. New England Region First Place (2019).
6. Community Youth Excellence Award (2 students chosen of ~75), India Association of Greater Boston (2020).

Technical Skills:

R, Python, SUDAAN, LaTeX.