ADWAY S. WADEKAR

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Education:

Duke University, Durham, N.C. (2020-2025)
Prospective A.B. in Sociology and Political Science.
Minor in Statistical Science.
Saint John's High School, Shrewsbury, M.A. (2018-2021)
High School Diploma.

Selected Experience:

Teaching Assistant, The Fuqua School of Business, Duke University (September 2021 – Present)
- Undergraduate teaching assistant for DECISION 618: Data Analytics for Business.
- 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.

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.

Writer and Photographer, The Community Advocate Newspaper (April 2018 – August 2021)
- 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.

Photographer in Residence, Town of Westborough (July 2019 – January 2021)
- My artistic vision, which informs my photography, was to explore Westborough through the eyes of young children.

Selected 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. New England High School Journalism Collaborative: Summer Workshop Finalist (2020).
3. Advanced Placement Scholar Awards: National AP Scholar (2020); AP Scholar with Honor (2019).
4. Intel International Science and Engineering Fair: Certificate of Honorable Mention (One of the ten best projects in statistics, worldwide), American Statistical Association (2019).
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.