ADWAY S. WADEKAR

e: adway.wadekar@duke.edu   Last Updated: 05.22.2021
p: 508-335-9508

Education:
Duke University
A.B., Sociology and Political Science, Expected Graduation in 2025.
Saint John's High School
High School Diploma, 2021.

Selected 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.

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.

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.

Student Journalist, New England High School Journalism Collaborative Summer Workshop (Summer 2020)
- Accepted into a selective (~15% accept rate) program in which students put together an issue of a newspaper.
- Wrote two news articles: one about the First Amendment and the other about educational disparities, both in the context of COVID-19. Chosen by my peers to co-write the editorial piece.

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. 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 in statistics, worldwide), American Statistical Association (2019).
4. Massachusetts State Science and Engineering Fair: First Award (2019); Third Award (2018).
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.