

## Education:

### Duke University

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

*Minor in Statistical Science.*

### Saint John's High School

*Completed Advanced Placement Coursework:* Microeconomics, Statistics, Macroeconomics, Psychology, European History, BC Calculus, English Language and Composition, Physics 1, US History (5/5); French Language and Culture (4/5).

## Experience:

*Research Assistant*, Human Rights Institute, University of Connecticut (Summer 2021)

- Conduct social media mining to understand the impact of political actors on speech with a focus on Nigeria.

*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. Also chosen by my peers to co-write the editorial piece.

*Photographer in Residence*, Town of Westborough (July 2019 – Present)

- 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.

## 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.