Jeffrey Lin

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EDUCATION

Mailman School of Public Health, Columbia University, New York NY *Sep 2024 - Present*
Candidate for Master of Science in Biostatistics
*Relevant Courses***:** Biostatistical Methods 1, Probability, Principles of Epidemiology

Tufts University, Medford MA *Sep 2020 - May 2024*
Bachelor of Science in Cognitive and Brain Science, minor in Computer Science, Summa Cum Laude
Thesis: *Using Natural Language Processing Models to Explore Racial Bias in the Reconciliation of Conflicting Evaluations of Medical Students*
Honors: Highest Honors in Thesis, Joanne Mary Sullivan Prize for Excellence in the Study of Psychology
Relevant Courses: Data Structures, Algorithms, Computational Biology, Probabilistic Models of Cognition and Perception

RESEARCH EXPERIENCE

Harvard Business School, Boston, MA
PRIMO Summer Research Fellow *Jun 2023- Aug 2023*
- Collaborated on research with 4 professors within the NERD lab at Harvard Business School
- Aided in the design of experiment to audit Facebook and Google marketing algorithms for potential racial biases
- Performed sentiment analysis on speech data from parole hearings and examine effects on parolee outcomes
- Reviewed transcripts of consulting sessions between coaches and client and devised possible research questions

Viswanath Lab at Harvard School of Public Health, Boston, MA
Lee Kum Sheung Center for Health and Happiness Intern *Jun 2022 – Dec 2022*
- Reviewed and coded literature on linkage between social media usage and positive well-being
- Aided in manuscript writing for paper regarding meta-analysis on social media usage and positive well-being
- Cleaned and assessed quality of data provided by center partners with R
- Performed exploratory analyses through R and summarized and presented findings to research partners

Tufts University Computer Science Department, Medford, MA
Undergraduate Course Assistant *Jan 2023- May 2024*
- Hired by Tufts Computer Science Department to be a teaching assistant for Data Structures (CS15)
- Host office hours to help students debug errors and develop design plans for projects
- Grade weekly homework assignments and projects

PAPERS AND PRESENTATIONS

Marciano L. Bekalu M, **Lin J.,** Sato T., Saboor S., Viswanath K. (2024, December). *Does social media use make us happy? A meta-analysis on social media and positive well-being outcomes*. *SSM - Mental Health.* *https://doi.org/10.1016/j.ssmmh.2024.100331*

Marciano, L., Bekalu, M., **Lin, J.,** Sato, T., Saboor, S., & Viswanath, K. (2023, May). *Does social media use make us happy? A meta-analysis on social media and positive well-being outcomes*. Paper presented at the 73rd Annual International Communication Association Conference, Toronto, CAN.

Lin, J., Sato, T., Marciano, L., & Bekalu, M. (2022, November). *Does social media use make us happy? A systematic review on social media and positive well-being outcomes.* Poster presented at the 7th Annual Promoting Research in Social Media and Health Symposium (PRISM), San Francisco, CA.

PROGAMMING PROJECTS

Global Sequence Alignment
- Implemented the Needleman-Wunsch algorithm for finding optimal global sequence alignments between two nucleotide sequences

Gibbs Sampler for finding Common Sequence Motifs
- Implemented a simplified version of the gibbs sampler algorithm, in order to determine the most likely motif found for each provided nucleotide sequence and the multiple sequence alignment of each of these motifs

Patient Smoker Status Classifier
- Implemented k-nearest-neighbors and agglomerative clustering approaches for predicting the smoker status of patients without smoker status labels

SKILLS

Language: English, Fluent in Mandarin (spoken), Advanced in German
Computer: C++, Python (NumPy, pandas, Matplotlib), R (tidyverse, ggplot2), Microsoft Office, Outlook
Research: IRB Proposal Writing, Manuscript Writing, Literature Review, Qualitative Coding, Research Presentations