Shraddha Anand

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EDUCATION
WELLESLEY COLLEGE: WELLESLEY, MA   Spring 2021
MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT): CAMBRIDGE, MA Cross-registered: Fall 2019 – Spring 2020
Bachelor of Arts: Major in Economics, Honors Thesis in Mathematics

HARVARD GRADUATE SCHOOL ARTS AND SCIENCES (GSAS): CAMBRIDGE, MA   Non-degree, Fall 2021 - present

WORK EXPERIENCE
HONG LUO | STRATEGY UNIT, HARVARD BUSINESS SCHOOL| *July 2021 - present*
Position: Research Assistant
· Studying how the #MeToo movement differs across sectors using Twitter data. Aim to use machine learning and sentiment analysis to categorize twitter users into occupation sectors and their experience with the #MeToo movement.
· Helping with copy editing HBS teaching plans, cases, and journal papers.

JUAN ALCACER | STRATEGY UNIT, HARVARD BUSINESS SCHOOL| *July 2021 - present*
Position: Research Assistant
· Using data sources such as Statista and CapitalIQ to update course material such as data and graphs for the HBS MBA course, RC Strategy.

RESEARCH
CASSANDRA PATTANAYAK | QUANTITATIVE ANALYSIS INSTITUTE, WELLESLEY COLLEGE | *Feb. 2019 - present*
· For my undergraduate thesis, I model situations when researchers rerandomize their samples (randomize until samples are balanced on desired criterion) from a simulated dataset. The outcome variable and covariates have various functional forms, and I study the conditions where using the correct statistical test to analyze the difference in means of the treatment and active group has the largest power difference. I extend the field of rerandomization by studying possible criteria other than the Mahalanobis distance to balance samples and analyze power advantages then. This project is still ongoing.

UNDERGRADUATE INDEPENDENT RESEARCH
DAVE DONALDSON | ECONOMICS DEPARTMENT, MIT | *June 2020 - Oct. 2021*
· Used large geospatial and world agriculture output data to empirically verify Ricardo's Comparative Advantage Theory.

SONALI DAS | INTERNATIONAL MONETARY FUND | *Jan. 2020 - June 2020*
· *Project summary: Study whether public investment "crowds out" private investment in India*
· Wrote a paper which disentangles the relationship between public and private investment at the state level for the first time. I created a novel state-level investment dataset using the CapEX-CMIE database and applied a Vector Error Correction Model.

ISMAR VOLIĆ | MATHEMATICS DEPARTMENT, WELLESLEY COLLEGE | *Sept. 2019 – Sept. 2020*
· *Project summary: Study the effect of restrictions on coalition forming on power indices*
· Analyzed the role of mathematical concepts in voting and other political phenomena.
· Wrote code in R to study the effects of coalition restrictions on the Banzhaf Power Index in Bosnia-Herzegovina's parliament.

UNDERGRADUATE RESEARCH ASSISTANTSHIP
CASE FELLOW, BAAFRA ABEBERESE | ECONOMICS DEPARTMENT, WELLESLEY COLLEGE | *June 2018 – May 2019*
· *Project summary: Study the effect of lowered transportation cost on firms' product diversification in India*
· Used STATA to clean and analyze firm-level data from World Bank's Enterprise Survey to study the effects of lowered transportation costs due to the construction of the Golden Quadrilateral Highway on product differentiation of surrounding firms.

FRANK SCHILBACH | ECONOMICS DEPARTMENT, MIT | *March 2020 – December 2020*
· *Project summary: Study the effect of free psychotherapy provided by Sangath India (NGO) on economic outcomes*
· Led and organized the review process of all the STATA do files for the project and the transition from Dropbox to GitHub.
· Wrote code in STATA to generate tables for the final paper.

UROP INTERN | MIT ELECTION DATA AND SCIENCE LAB / *June 2019– Dec. 2019*
· Wrote code in R to clean USA precinct-level 2016 election data made available to public via MEDSL Github

LEADERSHIP AND COMMUNITY ENGAGEMENT
HEAD COPY EDITOR |THE WELLESLEY NEWS | *Sept. 2017 - present*
· Lead a group of 25 copy editors, weekly editing articles of various genres (arts, features, news etc.) for grammar and style. Work to ensure timely editing of articles for publication. Organized and led the transition to online editing during COVID-19.

SUPPLEMENTAL INSTRUCTOR & TUTOR | MATHEMATICS & ECONOMICS DEPARTMENT | *Jan. 2018 – May 2019*
· Planned and led review sessions and office hours every week to review course material and aid students with problem sets and review questions for the following courses: Multivariable Calculus, Linear Algebra, Introductory and Intermediate Microeconomics. Work one-on-one with students to provide additional support and improve students' performance in the class.

SKILLS
· **Technology**: R, HTML5, CSS, Javascript Python, Stata, Stella, EViews, ArcGIS, Eclipse, MS Office, Photoshop, Adobe Flash Player, Google Apps
· **Languages**: English (fluent/first language), Hindi (fluent/first language)
· **Skills**: Communication, Event Planning, Project Management