

BENJAMIN S. MANNING

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EDUCATION

Harvard University, John F. Kennedy School of Government

Cambridge, MA

Master in Public Policy Candidate, Focused on Data Science, Decision Making, and Leadership

Aug 2019 – May 2021

GPA: 3.86/4.00, *Kosciuszko Foundation Tuition Scholarship for Studies in Public*

Policy Thesis: Working with Precision Agriculture for Development optimizing interactive voice response systems to help low-literate and illiterate Ethiopian farmers improve livestock and crop yields

Coursework: *Data Science, Machine Learning, Leadership, Econometrics, Decision Sciences, Negotiations, Economic Development*

Teaching Assistant: *Data Science for Politics (Spring 2019), Markets and Market Failure (Fall 2020), Causal Inference (Spring 2021)*

Washington University in St. Louis

St. Louis, MO

Bachelor of Arts in Applied Mathematics, Minor in Writing

Aug 2013 – May 2017

Overall GPA: 3.79/4.00, Major GPA: 3.80/4.00, *College Honors, Dean's List, Order of Omega*

Study Abroad: IDC Herzliya, Tel Aviv, Israel (2014)

Teaching Assistant: *Multivariable Calculus, Linear Algebra, Probability & Statistics, Differential Equations*

EXPERIENCE

Harvard University Department of Government

Cambridge, MA

Research Associate

May 2020 – Present

- Collaborated with Professor Jon Rogowski reviewing literature and performing exploratory analysis of 19th and 20th century U.S. Department of Interior records; Coded, cleaned, and processed data using R and Excel for hundreds of thousands of employees
- Searched for trends in salary changes, demographic patterns, changes in employment location, and hiring bias

Partners in Health & The Massachusetts Department of Health

Cambridge, MA

COVID-19 Contact Tracer

May 2020 – Aug 2020

- Traced positive COVID-19 cases and contacts to help mitigate the spread of the virus while aggregating epidemiological data
- Assisted quarantined families coping with the virus by coordinating food, medication, sanitation supplies, and emotional support

Tuck School of Business at Dartmouth College

Hanover, NH

Research Associate & Producer

Oct 2018 – Sep 2019

- Contributed research on a variety of projects focusing on human behavior, leadership, and management with Professor Sydney Finkelstein using both quantitative and qualitative methods
- Created podcast series called *The Sydcast* with professor Finkelstein exploring the lives of prominent societal figures
- Produced all working parts of the podcast including marketing, creative content, guest acquisition and preparation, technical recording, audio editing, and advertising, which culminated in over 20,000 episode downloads

Council on International Education Exchange

Phetchabun, Thailand

Mathematics & English Teacher

Sep 2017 – Oct 2018

- Taught mathematics courses from pre-algebra to trigonometry in classes of up to 50 students at a public school in rural Thailand
- Redeveloped curriculum in conjunction with Thai teachers that upheld the provincial standards of education, which were updated during my tenure, while maximizing exposure to English and mathematical concepts
- Taught all levels of English to 10th graders using a combination of lectures, performances, speaking activities, and examinations

Optiver US LLC

Chicago, IL

Execution Trading Intern

May 2016 – Aug 2016

- Analyzed options trades and their hedges over different periods of time with different statistical methods to improve position-talking, culminating in a presentation to senior traders and the subsequent recuperation of several thousand dollars per month
 - Programmed trading strategies using machine learning algorithms by analyzing the relationships of ES-mini & NASDAQ futures
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Skills	Software: R, Python, Latex, Microsoft Office – Proficient; C, SQL, – Experienced Language: Spanish – Limited Working Proficiency; Thai – Elementary Proficiency Miscellaneous: Advanced negotiation skills; Independent research skills
Certifications	Council on International Education Exchange Teaching English as a Foreign Language Certification Wilderness First Aid; Outdoor Leadership Courses; Designated backpacking and canoeing backcountry leader
Service Work	Mentor with Big Brothers Big Sisters for underprivileged students who aspire to attend college (2019 – Present) VIPKID Tutor teaching over 300 Chinese children English through online platform (2017 – Present) Sponsor volunteer for Ugandan orphans through the Village2Village Project (2009 – Present)
Hobbies	Travel: 41 countries on 6 continents; soccer; guitar; ukulele; saxophone; basketball; skiing; hiking; and Catan