

Tian “Tim” Hua

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EDUCATION

Middlebury College

Candidate for Bachelor of Arts, Economics & Math Double Major

GPA: 3.95/4.00

Middlebury, VT

May 2023

Harvard College

Visiting Student

GPA: 4.00/4.00 (Courses include ECON 1011a Intermediate Microeconomics: Advanced)

Cambridge, MA

2021 - 2022 School Year

SKILLS

Technical: Expert in ggplot2. Fluent in R, Stata, and LaTeX. Good knowledge of Python and Qualtrics. Basic C/C++, HTML, CSS, and Matlab

Language: Native Mandarin Speaker; Intermediate in French.

RESEARCH EXPERIENCES

Brookings Institution: Global Economy and Development

Research Assistant for Professor Carol Graham

Remote

June 2021 - Ongoing

- Examined ill-being, overdoses, and suicides during COVID.
- Coauthor on the final paper. Responsible for around a third of the paper.
- Made numerous original contributions to methodology design.
- Cleaned and analyzed data from the Household Pulse Survey, NHIS, and BRFSS in R and Stata.
- Merged inconsistently keyed datasets with 3.4 million+ observations.
- Created data visualizations using ggplot2. Designed a custom ggplot2 theme for paper.
- Collaborated with a team with five other researchers; helped new interns to become oriented with the research project.

Middlebury Economics Department

Research Assistant for Professor Marin Abel

Middlebury, VT

September 2020 - March 2021

- Studied how different compensation schemes could help close the behavior-intention gap.
- Found that giving people a choice between getting paid before or after a task led to higher completion rates and quality compared to when agents are assigned a payment time.
- Helped with literature review, survey design and implementation, data analysis and visualization using R, and drafting the final paper.
- Made original contributions in the model section by ensuring that we defined intrinsic motivation correctly given the context of our experiment.

Independent Research Project: COVID-19 Tweets

Primary Investigator and Project Manager

Bellevue, WA & Middlebury, VT

July 2020 - February 2021

- Examined COVID-19 related tweets from governors and influential health experts with two former classmates. Professor Alex Lyford joined during the revision process as a fourth author.
- Directed the research process, conducted data analysis, and wrote most of the final paper.
- Findings include: Democratic Governors mention death related words in their tweets at four times the rate of Republican governors and mask tweets 42% more than Republican Governors.
- Paper published in the *Journal of Student Research*. PDF available on my website.