

Danielle Handel

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Education

Emory University

B.A. IN ECONOMICS AND MATHEMATICS

Atlanta, GA, US

Aug. 2017 - May 2021

- 3.97/4.00 GPA
- Honors: National Merit Scholar, Omicron Delta Epsilon Economics Honor Society, Phi Eta Sigma Honor Society, Dean's List Fall 2017-Fall 2019

Relevant Coursework

- Econometrics
- Directed Study in Econometrics for Policy Analysis
- Linear Algebra
- Differential Equations
- Empirical Methods in Machine Learning
- Intermediate Microeconomics/Macroeconomics
- Advanced Multivariable Calculus
- Foundations of Mathematics
- Labor Economics
- Health Economics

Skills

Programming and Statistical Analysis R, Python, Stata, Microsoft Excel, LaTeX, ArcGIS, Git/GitHub, SQL (beginner), JAVA (beginner)
Cloud Computing Amazon Web Services, Microsoft Azure
Languages English, Spanish (conversational), French (beginner)

Publications

JOURNAL ARTICLES

Econometrics Pedagogy and Cloud Computing: Training the Next Generation of Economists and Data Scientists

Journal of Econometric Methods

Danielle V. Handel, Anson T. Y. Ho, Kim P. Huynh, David T. Jacho-Chavez, Carson H. Rea

Under Review

Research Experience

Federal Reserve Bank of Chicago

ECONOMIC RESEARCH INTERN, MICROECONOMICS

Chicago, IL, US

Jun. 2020 - Aug. 2020

- Performs research and statistical analysis for education, health, and labor projects under Dr. Lisa Barrow, Dr. Diane Alexander, Dr. Bhashkar Mazumder, and Dr. Camilo Garcia
- Developed a browser automation program in Python for scraping web data
- Cleans and analyzes data using R, Python, and Stata

Emory Scholarly Inquiry and Research Experience (SIRE) Program

RESEARCH ASSISTANT

Atlanta, GA, US

Sept. 2019 - May 2020

- Provided statistical analysis using R for a study under Dr. David Howard in conjunction with the Centers for Disease Control (CDC) to analyze the impact of cancer diagnoses on labor force participation
- Participated in weekly course covering best practices in research, research report writing, and grant acquisition

SunTrust Robinson Humphrey

EQUITY RESEARCH SUMMER ANALYST

Atlanta, GA, US

May 2019 - Aug. 2019

- Manipulated large financial datasets while working extensively with Microsoft Excel
- Research, including work with US International Trade Commission data, published in two initiating coverage reports
- Worked directly with data science team to kickstart sentiment analysis and satellite imagery projects

Emory University Department of Economics

RESEARCH ASSISTANT

Atlanta, GA, US

Jun. 2018 - Dec. 2018

- Worked under Dr. Caroline Fohlin to compile a database of most relevant statistics of 1933 New York Stock Exchange securities using balance sheet, income account, and capital stock data
- Analyzed Moody's manuals and worked with Microsoft Excel to organize and assess financial data

Teaching Experience

Emory University Department of Economics

Atlanta, GA, US

TEACHING ASSISTANT, ECONOMETRICS LAB

Aug. 2020 - Present

- Aids Dr. Paloma Lopez de mesa Moyano in converting a coding course from R to Python
- Assists students with application of econometric theory to practical use in both R and Python

TEACHING ASSISTANT, ECONOMETRICS LAB

Sept. 2019 - Dec. 2019

- Worked with Dr. Paloma Lopez de mesa Moyano to aid students in connecting Econometric theory to coding skills in R
- Held weekly office hours to coach students in assignments and general application of R

TEACHING ASSISTANT, INTERMEDIATE MICROECONOMICS

Aug. 2018 - Dec. 2018

- Worked with Dr. Maria Arbatskaya to supplement students' understanding of advanced microeconomic concepts
- Held weekly office hours to directly communicate with and mentor students, assisted in grading

Work Experience

Atlanta Tutors

Atlanta, GA, US

MATHEMATICS TUTOR

Aug. 2019 - Present

- Guides high school students in Calculus AB/BC, Statistics, Geometry, Algebra, etc.

Nancy Soderberg for Congress

Daytona Beach, FL, US

FINANCE INTERN

Jun. 2018 - Aug. 2018

- Synthesized 500+ sets of donor information into usable data for a congressional campaign
- Developed an efficient system for analyzing individual donor history and predicting likelihood of securing future funds