

NICOLE GOLDEN

Personal Information **Cell:** (616) 888-9881 **Website:** NicoleGolden.github.io/Economics/
Email: qinqiy1@uci.edu **Nationality:** U.S.

Research Interests Machine Learning, Big Data
Applied Econometrics

Education **UC, Irvine** 2019 September - Present
PhD Student, Economics
Cumulative GPA: 3.8/4.0

UC, Irvine 2019 September - 2021 May
MA, Economics
Cumulative GPA: 3.8/4.0

University of Iowa 2017 August – 2019 August
BA, Economics, Mathematics
Cumulative GPA: 3.98/4.00
Phi Beta Kappa

References Matthew Harding Damon Clark
Professor Professor
UCI Economics UCI Economics
(949) 824-1511 (949) 824-2056
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Relevant Courses Machine Learning for Data Science (Spring, 2022), Big Data, Panel Data
Microeconomic Theory, Econometric Theory, Advanced Applied Microeconomics

Data Experience **Deep Data Lab (UC, Irvine)** 2021 Spring - Present
Research Assistant
Report to: Dr. Matthew Harding

- Deal with approximately 500GB Nielsen dataset that contains 16 years of records, with millions of entries.
- Help clean data until it is fit for our policy-related analysis.

- Help conduct price index related analysis. For example, compare price indexes among different states or metropolitan areas.
- Visualize price indexes for different metropolitan groups and states.
- Help with other research-related work, such as formatting research papers.

EcoMetricx (Irvine)

2022 February – Present

Energy Company Consultant

- Translate data analysis pipelines from Python to R.
- Support the firm's top economist to build optimal models to analyze energy usage. The data includes monthly electricity and gas usage for 2021 and 2022. The analysis intends to study the average treatment effects by comparing the control group (which is not exposed to any energy-saving programs) and the treated groups (which are exposed to multiple energy-saving programs).
- Help the firm run models and generate reports.

Second-Year Research (UC, Irvine) 2021 - Present

- Independently conduct data analysis using Nielsen dataset.
- Study milk consumption patterns among migrants in the U.S. using difference-in-differences model.
- Visualize migration maps across U.S. and other analysis related plots.

Other

Experience

UC, Irvine

2019 - Present

Teaching Assistant

- Taught five quarters undergraduate level courses, including social science statistics, econometrics, and intro microeconomics.
- Prepared tailored course materials for the right course and students' levels.
- Taught students coding in R or Stata if required by the course.

Italki

2013 - 2019

Online Mandarin Teacher

- Taught 812 lessons to 123 students from 31 countries (located in 5 continents); earned an overall full-point review from all students.
- Wrote various creative teaching materials designed for different levels of students.
- Experienced language and cultural exchange with students from different countries.

Hays Specialist Recruitment

2015 - 2016

(Shanghai) Co., Ltd

Sales Administrator

- Performed administrative work for HR personnel from four countries, including formatting at least 40 resumes daily, updating Suzhou branch financial reports daily,

weekly, and monthly, updating recruiting database daily, and doing other support work.

- Communicated with candidates over the phone and face-to-face in professional manner.
- Acted as administrative liason for all offices in China as needed.
- Assisted in organizing office events and annual HR conferences.

Skills

Programming: Advanced: R, RStudio

Proficient: Stata, Python, Git, GitHub, Excel

Basic: ArcGIS, HTML5, javascript, CSS

Data Analysis in R: data cleaning, intro ML analysis (popular models), cross-sectional data analysis, panel data analysis, geospatial analysis, causal inference, data visualization

Efficient programming in R: parallel computation, data analysis in chunks, pipelines

Other: Jupyter Notebook, Latex

Languages: Native level: Mandarin; Huai Dialect

Fluent level: English

Intermediate level: Spanish

Conversational level: French