

NICOLE GOLDEN

Personal Information

Ph.D. Candidate
[University of California, Irvine](#)
Department of Economics
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Nationality: US

Education

UC, Irvine 2019 September – Present
Ph.D. in Economics, 2024 June (Expected)
Fields: Applied Econometrics, Machine Learning
M.A. in Economics, 2021

University of Iowa 2017 August – 2019 August
B.A. in Economics and Mathematics
Phi Beta Kappa

Research Experience

Deep Data Lab - UC, Irvine 2021.03.01– 2022.06.30
Research Assistant for Dr. Matthew Harding
Topic: Constructing price indexes at metropolitan, county, and state levels
Data: Nielsen fresh fruit and vegetables store data

UC, Irvine 2019 September – Present
Fourth-Year Paper
Topic: Heterogeneous Treatment Effect of Payday Loan Extended Payment Plans on Financial Health: A Double/Debiased Machine Learning Approach
Data: Clarity payday loan data

Third-Year Paper
Topic: The Effect of Payday Loan Extended Payment Plans on Financial Health: A Synthetic Difference-in-Differences Approach
Data: Clarity payday loan data

Second-Year Paper
Topic: Got Milk? An Empirical Study of Milk Consumption Patterns Based on Movers
Data: Nielsen milk data

Work
Experience

United Nations 2023.06.05 – 2023.09.22

**Office of High Representative for the
Least Developed Countries, Landlocked
Developing Countries and Small Island
Developing States**

Intern for LDCs Team

- Assisted the department to organize high-level meetings such as LDCs National Focal Points Meeting 2023 and side events for SDG summit. The task may include preparing for meeting related materials, communicating with international delegates and live interpreters throughout the meeting, and generating meeting summary report and meeting questionnaire report.
- Performed data related work including generating analysis tables and graphs, collecting data for updating LDCs background information.

EcoMetricx 2022.02.04 – 2023.02.20

Data Analyst

- Translate data analysis code from Python or Stata to R.
- Support chief economist on projects related to state energy usage in the US. Tasks include but are not limited to:
 - (i) Build causal models to analyze monthly energy usage. The data includes monthly electricity and gas usage in the US. 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).
 - (ii) Run models and generate monthly reports.
 - (iii) Help with other data analysis related work, such as analyzing customer satisfaction surveys.

Teaching
Experience

UC, Irvine 2019.September – Present

Teaching Assistant

- Taught undergraduate level courses including Introduction to Microeconomics, Probability and Statistics, Econometrics I.

Italki 2013.10.01 – 2019.06.30

Online Mandarin Teacher

- Taught 812 lessons to 123 students from 31 countries (located in five 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.

Professional
Skills

Programming:

Software:

R: advanced.

GitHub, Git, Excel, Word, Latex: proficient.

Stata, Python, SQL, Html: basic.

Data Analysis:

Trendy machine learning and econometrics models,
big data, data cleaning, data visualization,
parallel computation and pipelines.

Languages:

Mandarin: native

English: fluent

French, Spanish: conversational