

NORMAN LO

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LinkedIn: <https://www.linkedin.com/in/norman-data-economist> | GitHub: <https://github.com/NormanLo4319>

Portfolio: normanlo4319.github.io/Norman_Lo_Web

SUMMARY

Data scientist with ambition and ability to develop powerful business insights from social economic data using advanced machine learning techniques. Enjoy working in a collaborative environment and help implement new process where they see fit. Motivated to bring background in academic research and ability to build econometrics models with visualization to enhance decision-making and achieve company goals.

TECHNICAL SKILLS

Languages: Javascript, Python, R, Stata, E-View, MatLab, SQL, noSQL, VBA, HTML5, CSS

Libraries: Pandas, Matplotlib, Seaborn, Plotly, ggplot2, SciKits, Scipy, Bootstrap, jQuery, D3, SQLAlchemy, Flask

Other: Git, command line, machine learning, big data analysis, Tableau

PROJECTS

Eazy Grocery Shopping App | [Git](#) [Live](#)

- Built a full functional web/mobile application and utilize machine learning models to enhance in-store shopping experience for customers.
- Tech: Python, JavaScript, HTML5, CSS, Flask, SQLAlchemy, Jinja2, scikit-learn

World Happiness Project | Backend [Git](#) [Live](#) | Frontend Dashboard [Git](#)

- Built a backend API with SQLAlchemy and Flask App for data request.
- Created frontend data product on a web server with visualization and demonstrated the correlation between happiness and income inequality across 156 countries.
- Tech: Python, JavaScript, HTML5, CSS, R, Pandas, Numpy, SQLAlchemy, Flask, Bootstrap, D3, Plotly

Public Health Scores & Yelp Customer-Based Rating | [Git](#)

- Extracted data from a variety of data sources, transformed and merged data sets into data frame, and loaded and create a relational data model into SQL database.
- Evaluated trend data to determine the correlation between data sets and converted into insights.
- Tech: Python, MySQL, Pandas, Numpy, SQLAlchemy, Matplotlib, Seaborn, Yelp API

Food Environment & Health Outcomes | [Git](#)

- Extracted data from public data sources, manipulated data sets and performed quantitative analyses to identify the correlation between fast food restaurants and obesity rate at county level.
- Utilized Python libraries to visualize data and conduct econometric and statistical analyses to complex data to prove the validity of the model; generated insights for evaluation of public health policies.
- Tech: Python, Pandas, Matplotlib, Plotly, Numpy, Yelp API

RELEVANT EXPERIENCE

S.F. State University, University of S.F., City College of S.F., Metropolitan State University (2015 – present)

Adjunct Faculty & Student Equity Advisor

- Plan and Implement curriculums for various economics and statistics courses. Use student data to evaluate the instructional process and apply innovative strategies to continually improve student learning outcome.
- Participate in academic research projects and evaluate department equity programs.
- Principles of Economics, Statistics for Economics and Social Science, Mathematical Economics, and Health Economics
- Skilled at using technology to facilitate and enhance students' learning and able to adopt different online software system.

ADDITIONAL EXPERIENCE

Merchandising Manager, First Global International Ltd, Hong Kong (2007 – 2010)

EDUCATION

Berkeley Data Analytics Boot Camp: U.C. Berkeley Extension, San Francisco

A 24-week intensive program focused on gaining technical programming skills in Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

M.A. in Economics: San Francisco State University, San Francisco

B.A. in Economics: San Francisco State University, San Francisco