

JUGAL MARFATIA

Data Scientist | Kaggle Competition Expert (Top 2%) | NFL Big Data Bowl 2020 Finalist

Personal Website: jugalmarfatia.netlify.com | Email: jugal.marfatia@wsu.edu | 📞 619-471-7664

🐙 github.com/jugalm

in linkedin.com/in/jugal-marfatia

M medium.com/@jmarfati

K kaggle.com/jmarfati

DATA SCIENCE EXPERIENCE

Data Scientist Intern, Analytics (PhD)

Facebook

📅 May 2020 – August 2020

📍 Seattle, WA

- Worked in the public connections and monetization team within the Facebook Core App Monetization team

Data Science/ Regional Models Intern

San Diego Association of Governments (Sandag)

📅 June 2016 – August 2017

📍 San Diego, CA

- Developed **Python** based **demographic** and **economic** forecasting model adopted by 17 San Diego counties for regional planning.
- Contributed towards the development of **real estate forecasting model** also based in **Python**.
- Developed several ETL Python/SQL scripts for data used through out the organization.
- Developed several visualization and logical check tools for data quality check purposes.
- Made presentations to senior executives and business partners explaining modeling process and results.

Research Assistant

San Diego State University

📅 August 2015 – May 2017

📍 San Diego, CA

- Conducted Data/ Statistical analysis on health and elderly care that resulted in 1 published paper. [Paper Link](#).
- Conducted econometric analysis on issues of immigration and income inequality in the United States.
- Cleaned and analyzed large panel data sets with over 1 million observations from IPUMS.

EDUCATION

Ph.D. Economics 📅 May 2021

Washington State University

M.S. Statistics 📅 May 2021

Washington State University

M.A. Economics 📅 May 2017

San Diego State University

B.A. Economics 📅 July 2014

Western New England University

TECHNICAL SKILLS

Programming: Python R SQL

Data Science Frameworks: Pandas

NumPy Scikit-Learn StatsModel

Matplotlib Seaborn Ggplot2 Plotly

TensorFlow/ Keras Git

RESEARCH IN PROGRESS

- Can Google Trends data be used to predict stock returns? [Link](#)
- Predicating Health Care Expenditure in U.S.; Learning from Random Forests.

PROJECTS/COMPETITIONS

- Top 1 % (silver medal), Kaggle NFL Big Data Bowl Competition 2020.
- “Wimbledon Predictions using Neural Network.” published in towards data science. [Link](#)
- Top 10 % (bronze medal), Kaggle IEEE-CIS Fraud Detection Competition 2019.
- Top 17 %, Kaggle APTOS Blindness Detection Competition 2019.