

ANUAR ASSAMIDANOV

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EDUCATION

Claremont Graduate University

Ph.D. in Economics

August 2019 - Expected May 2024

Claremont, CA

Nazarbayev University

B.S. in Mechanical Engineering

2011 - 2015

Astana, Kazakhstan

RESEARCH PROJECTS

Constraints and Discrimination: Evidence from The Voice

June 2022

- Exploited the blind audition of the Voice TV show as an experiment to identify the gender bias in the selection process
- Employed Generalized Difference-in-Difference identification strategy with random assignment of coaches to artists
- Conducted heterogeneous treatment effect analysis utilizing Causal Forest Machine Learning model to examine gender bias with various constrained environments

Pandemic Safeguards and Household Safety

August 2020 - December 2020

with G. DeAngelo, Y.Le, S.Cunningham, and R.Thornton

- Estimated average treatment effects associated with COVID-19 policies on family violence, as recorded in 911 call data from 30 jurisdictions across 18 states.
- Applied two-way fixed effects estimates alongside Callaway and Sant'Anna's (2020) estimator for differential timing with heterogeneous treatment effects.

Recidivism Forecasting Challenge

June 2021

- Predicted recidivism using person and place-based variables to improve outcomes for those serving a community supervision sentence. Prize Winner of this contest (\$19,500)
- Utilized Xgboost, LightGBM, CatBoost, and Logistic Regression models to achieve the highest 0.787 fairness and accuracy metrics

RELEVANT EXPERIENCE

Data Science Intern

211 LA County

May 2020 - May 2022

Los Angeles, CA

- Building Deep Learning and Machine Learning models in Pytorch, Tensorflow, and Sklearn (Python) to increase the productivity and efficiency of the 211 calls.
- Utilized data visualization dashboard with Tableau to make clear and concise visual representations of over one million referrals across LA county
- Incorporated demo testing session of Recommender System to the workflow where 85 % gave positive feedback
- Developed A/B test plans in conjunction with the Resource, Data, and Development teams

Research Assistant

Computational Justice Lab

August 2019 - Present

Claremont, CA

- Worked on accessing and processing data over 50 million rows in size from multiple API endpoints from Criminal Justice institution websites
- Developed data cleaning and reshaping scripts in Python to normalize historical time series and geographical data into a database

TECHNICAL SKILLS

Areas of Excellence:

Causal Inference, Experimental Methods, Quasi-Experimental Methods , Statistical Inference, Matching Methods, Machine Learning, Data Science

Technical Skills

A/B testing, Data Mining, Decision Trees, Statistical Analysis, Data Visualization, Neural Network, Database, Flask, Web Scraping, GIS, Git, Github

Tools

Python, R, SQL, AWS, GCP ,Tableau, Tensorflow, Scikit-Learn