ANUAR ASSAMIDANOV

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EDUCATION

Claremont Graduate University 2020 - Present
Ph.D. in Economics *Claremont, CA*

Claremont Graduate University 2019 - 2020
M.A. in Economics *Claremont, CA*

Nazarbayev University 2011 - 2015
B.S. in Mechanical Engineering *Nur-Sultan, Kazakhstan*

RESEARCH INTERESTS

Applied Microeconomics, Labor Economics, Causal Inference, and Machine Learning

RELEVANT EXPERIENCE

211 LA County May 2020 - May 2022
Data Science Intern *Los Angeles, CA*

- Building Deep Learning and Machine Learning models in Pytorch, Tensorflow and Sklearn (Python)
- Utilized data visualization dashboard with Tableau to make clear and concise visual representations
- Communicating complex concepts and the results of the analyses in a clear and effective manner to senior management

Computational Justice Lab August 2019 - Present
Research Assistant *Claremont, CA*

- Performed Causal Inference techniques to conduct studies addressing Criminal Justice Policy
- Debugging standard scripts to meet updated database structures.
- Accessing, processing and cleaning data over 50 million rows in size from multiple API endpoints

TEACHING EXPERIENCE

Instructor of Record for Machine Learning in Economics Spring 2022
Cal State Fullerton

Teaching Assistant Fall 2021- Summer 2021

- Machine Learning in Asset Pricing, Claremont Graduate University
- Causal Inference and Research Design, Remote Student Exchange Course

WORKING PAPERS AND PROJECTS

Pandemic Safeguards and Household Safety May 2020 - December 2020
with G. DeAngelo, Y.Le, S.Cunningham, and R.Thornton

- Estimated average treatment effects associated with three COVID-19 policies – shelter in place, school closures and daycare closures – on family violence, as recorded in 911 calls and police incidents data across dozens of American cities.
- Applied two-way fixed effects estimates alongside Callaway and Sant'Anna's (2020) estimator for differential timing with heterogenous treatment effects.

Recidivism Forecasting Challenge June 2021
with Muhammed Selman

- Predicted recidivism using person and place-based variables with the goal of improving outcomes for those serving a community supervision sentence.
- Utilised Xgboost, Adaboost, LightGBM, CatBoost, Autoencoder, and Logistic Regression algorithms using Python libraries

Recommendation System August 2020 - March 2021
with 211 LA Data Team

- Developed Recommender System using cutting-edge Deep Learning and Machine Learning models in Pytorch and Sklearn
- Deployed the model using Flask, Docker and Google Cloud Platforms
- Develop A/B test plans in conjunction with the Resource, Data, and Development teams

An Evaluation of Sex Offender Residency Restrictions in California
with Josie Xiao

- Examined the impact of proximity restrictions for sex offenders on sex offense crimes in Los Angeles County.
- Used Regression Discontinuity design combined with a before-after estimation to explore the effect of this law on the number of sex offences committed 2000 feet outside the schools and parks.

HONORS, GRANTS AND AWARDS

Prize Winner in "Recidivism Forecasting Challenge" ($19,500) Summer 2021
Machine Learning Contest hosted by National Institute of Justice

NBER Grant on Women, Victimization, and COVID-19 Fall 2020
with S. Cunningham, R. Thorton, G. DeAngelo, and Y.Le

Criminal Justice Reform Fellowship Spring 2020
Claremont Graduate University

Blaisdell Economics Fellowship 2019-2021
Claremont Graduate University

CGU Fellowship - Economics 2019-2021
Claremont Graduate University

TECHNICAL SKILLS

Languages	Python, R, Stata, LaTex, SQL
Web skills	HTML5, CSS, Flask, Selenium, Scrapy
Other	Tableau, GIS