

ANUAR ASSAMIDANOV

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EDUCATION

Claremont Graduate University <i>Ph.D. in Economics</i>	August 2019 - Present Claremont, CA
Claremont Graduate University <i>M.A. in Economics</i>	2019 - 2020 Claremont, CA
Nazarbayev University <i>B.S. in Mechanical Engineering</i>	2011 - 2015 Nur-Sultan, Kazakhstan

RELEVANT EXPERIENCE

211 LA County <i>Data Science Intern</i>	May 2020 - May 2022 Los Angeles, CA
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- 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 <i>Research Assistant</i>	August 2019 - May 2020 Claremont, CA
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- 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

Teaching Assitant for Machine Learning in Asset Pricing <i>Claremont Graduate University</i>	Fall 2021
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Teaching Assistant for Causal Inference and Research Design <i>Remote Student Exchange Course for students from low and middle-income countries</i>	Summer 2021
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WORKING PAPERS AND PROJECTS

Recommendation System <i>with 211 LA Data Team</i>	August 2020 - March 2021
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- 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

Recidivism Forecasting Challenge <i>with Muhammed Selman</i>	June 2021
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- 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

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.

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
<i>Machine Learning Contest hosted by National Institute of Justice</i>	
NBER Grant on Women, Victimization, and COVID-19	Fall 2020
<i>with S. Cunningham, R. Thorton, G. DeAngelo, and Y.Le</i>	
Criminal Justice Reform Fellowship	Spring 2020
<i>Claremont Graduate University</i>	
Blaisdell Economics Fellowship	2019-2021
<i>Claremont Graduate University</i>	
CGU Fellowship - Economics	2019-2021
<i>Claremont Graduate University</i>	

TECHNICAL SKILLS

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