

ANUAR ASSAMIDANOV

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EDUCATION

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| Claremont Graduate University <i>Ph.D. in Economics</i> <i>Dissertation: “Essays on Law and Economics”</i> <i>Committee: Gregory DeAngelo (chair), Fernando Lozano, Scott Cunningham</i> | 2020 - 2024 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 |

RESEARCH INTERESTS

Economics of Crime, Law and Economics, Consumer Finance, Law and Artificial Intelligence, and Labor Economics

RESEARCH

Human Discretion and Algorithmic Insights in Parole Supervision Decision-Making (Job Market Paper)

with Nicholoas Powell

In this paper, we examine the interplay between predictive algorithms and human discretion in determining parole supervision levels. Adopting a methodological approach centered on the random assignment of parole officers at specific risk score thresholds—particularly at junctures where parolees transition between various supervision levels—we investigate the impact of officers’ decisions to deviate from algorithmic recommendations on recidivism rates. Our findings reveal that professional adjustments to higher supervision levels consistently lead to reduced recidivism rates, while adjustments to lower supervision levels don’t display a significant effect. This underscores the pivotal role of strategic resource allocation in parole supervision, indicating that harsh overrides can be resource-optimal in effectively lowering recidivism. Conversely, lenient overrides maintain stable recidivism rates without necessitating intensified supervision. Additionally, the study contributes to the ongoing discourse on the role of human intervention in algorithmic recommendations within the criminal justice system.

Pandemic Safeguards and Household Safety

(with Scott Cunningham, Greg DeAngelo, Uyen Le, and Rebecca Thornton)

A flurry of research has examined the effect of COVID-19-related policies on family violence with considerable variation in approach, often producing conflicting results. In this paper, we provide four main contributions to the existing literature. First, we utilize up-to-date estimation methods developed by Goodman-Bacon (2021) and Callaway and Sant’Anna (2020) to account for the differential timing in implementing COVID-19 policies and compare our estimates with traditional two-way fixed effects. Second, we use the most comprehensive data from the United States from 30 jurisdictions across 18 states to ensure that our conclusions are not reached due to data selection issues. Third, we evaluate three COVID policies: shelter-in-place, school closures, and daycare closures. Fourth, we use two measures of family violence: adult domestic violence and child violence. We find that school closure significantly doubled the number of child abuse calls per day from the mean. However, daycare closure significantly reduced 1.2 calls of child abuse calls per day. We detect no effect for shelter-in-place or daycare closure orders and document a reversal of our estimates’ direction when using Callaway and Sant’Anna (2020). to measure the impact of daycare closure relative to a two-way fixed effect.

Discrimination and Constraints: Evidence from The Voice

Gender discrimination in the hiring process is one significant factor contributing to labor market disparities. However, there is little evidence on the extent to which gender bias by hiring managers is responsible for these disparities. In this paper, I exploit a unique dataset of blind auditions of *The Voice* television show as an experiment to identify own gender bias in the selection process. The first televised stage audition, in which four noteworthy recording artists are coaches, listens to the contestants “blindly” (chairs facing away from the stage) to avoid seeing the contestant. Using a difference-in-differences estimation strategy, a coach (hiring person) is demonstrably exogenous with respect to the artist’s gender, I find that artists are 4.5 percentage points (11 percent) more likely to be selected when they are the recipients of an opposite-gender coach. I also utilize the machine-learning approach in Athey et al. (2018) to include heterogeneity from team gender composition, order of performance, and failure rates of the coaches. The findings offer a new perspective to enrich past research on gender discrimination, shedding light on the instances of gender bias variation by the gender of the decision maker and team gender composition.

WORKING PAPERS AND PROJECTS

Effect of AI-driven Recommendation System on Worker Productivity and Service Quality *with Josie Xiao*

- Utilized a field experiment to answer the question of how machine learning-driven integration into call center operations impacts organizational productivity and work performance.
- Developed recommendation system using cutting-edge Deep Learning and Machine Learning models
- Analyzed the effect of implementing a smart recommendation system on the quality of work for an organization that relies on memorization, experience, and on-spot decision-making.

The Efficacy of Reintegration Services and their Effects on Recidivism, Employment, and Revocations *with Nicholas Powell*

The Effect of AI-Driven Risk Scoring on Parole and Probation Officers’ Productivity *with Nicholas Powell*

TEACHING EXPERIENCE

Instructor of Record

- Computational Tools for Economists (Master’s), *California State University, Fullerton* Spring 2023
- Python Programming (Undergraduate), *Cal Poly Pomona* Spring 2023
- Introduction to Statistics (Undergraduate), *Pitzer College* Fall 2022, Spring 2023
- Machine Learning in Economics (Master’s), *California State University, Fullerton* Spring 2022

Teaching Assistant

- Machine Learning in Asset Pricing (Master’s), *Claremont Graduate University* Fall 2021
- Causal Inference and Research Design, *Remote Student Exchange Course* Fall 2021

PROFESSIONAL EXPERIENCE

Chime Financial Summer, Fall 2023
Research Analyst in Consumer Economics San Francisco, CA

211 LA County 2021-2022
Data Scientist in Data and Research Team Los Angeles, CA

CONFERENCE PRESENTATIONS

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| 93rd Annual Meeting of the Southern Economic Association <i>Technology, Data, and Economics; Economics of Gender</i> | Fall 2023 New Orleans, LA |
| 17th Annual Conference on Empirical Legal Studies <i>Decision-making in Criminal Justice</i> | Fall 2023 Chicago, IL |
| 16th All-California Labor Economics Conference <i>Technology and Labor Decisions</i> | Fall 2023 Santa Barbara, CA |
| 98th Annual Conference, Western Economic Association International <i>Gender Discrimination</i> | Summer 2023 San Diego, CA |
| 2022 American Society Criminology Annual Meeting <i>Lightning Talk: Findings and Insights from the National Institute of Justice</i> <i>Recidivism Forecasting Challenge</i> | Fall 2022 Atlanta, GA |

HONORS, GRANTS AND AWARDS

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| Prize Winner in “Recidivism Forecasting Challenge” (\$19,500) <i>Machine Learning Contest hosted by National Institute of Justice</i> | Summer 2021 |
| NBER Grant on Women, Victimization, and COVID-19 <i>with S. Cunningham, R. Thorton, G. DeAngelo, and Y.Le</i> | Fall 2020 |
| Criminal Justice Reform Fellowship <i>Claremont Graduate University</i> | Spring 2020 |
| Blaisdell Economics Fellowship <i>Claremont Graduate University</i> | 2019-2021 |
| CGU Fellowship - Economics <i>Claremont Graduate University</i> | 2019-2021 |

MISCELLANEOUS

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| Technical Skills: | Python, Stata, R, SQL, LaTeX, Tableau, Github, Git, Web Scraping, GIS |
| Language | English (fluent), Kazakh (native), Russian(fluent) and Turkish (fluent) |
| Citizenship | Kazakhstan (US Visa Status: F-1; with an option for STEM OPT Extension) |

REFERENCES

Professor Gregory DeAngelo
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Professor Fernando Lozano
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Professor Scott Cunningham
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Professor Radha Bhattacharya (Teaching)
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California State University, Fullerton
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