

Anuar Assamidanov

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Specializing in A/B testing, SQL and Python analytics, I bring over 5 years of Data Science experience to the table. My track record includes delivering actionable insights through modern econometrics and machine learning, improving operational efficiency, and driving business growth. I'm adept at cross-functional collaboration and skilled in crafting data visualizations and dashboards that enable data-driven decision-making across diverse stakeholders.

EDUCATION

Claremont Graduate University

Claremont, CA

Ph.D. in Economics

August 2019 – December 2023

Coursework: Applied Microeconomics, Labor Economics, Causal Inference, Applied Econometrics, Machine Learning, Statistical Inference

Nazarbayev University

Astana, Kazakhstan

B.S. in Mechanical Engineering

2011 – 2015

PROFESSIONAL EXPERIENCE

Data Analyst Intern in Consumer Economics

May 2023 – December 2023

Chime

Remote

- Partnered with teams in Product Management, Government Affairs, and Finance, delivering strategic insights through exploratory analysis, experimentation, causal inference, and forecasting.
- Applied advanced methodologies, including Difference-in-Differences, survival models, and propensity score matching, to evaluate the influence of product attachment on customer liquidity and retention.
- Effectively communicated findings to a diverse audience across various departments, including executive leadership, ensuring that both technical and non-technical stakeholders could understand and act upon the insights.

Data Science Intern

May 2020 – December 2023

211 LA County

Los Angeles, CA

- Built 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% of respondents gave positive feedback.
- Developed A/B testing plans in conjunction with the Resource, Data, and Development teams.

RESEARCH PROJECTS

Human Discretion and Algorithmic Insights in Parole Supervision Decision-Making

June 2022

- Developed new quasi-experimental tools to measure the impact of human discretion in parole supervision decisions, with a focus on algorithmic recommendations
- Identified the top 10% of parole officers who outperformed the algorithm, demonstrating the potential for human expertise in parole decisions
- Contributed to ongoing discussions about the role of algorithms in decision-making, particularly in criminal justice contexts

Constraints and Discrimination: Evidence from The Voice

October 2021

- Utilized the blind audition format of The Voice as a quasi-experimental design to study gender bias in hiring
- Employed Generalized Difference-in-Differences identification, revealing an 11% increased likelihood of coaches selecting opposite-gender artists
- Integrated Causal Forest ML technique to examine heterogeneous treatment effects within the Difference-in-Differences framework

TECHNICAL SKILLS

Areas of Excellence: Causal Inference, Experimental Methods, Quasi-Experimental Methods, Statistical Inference, Matching Methods, Machine Learning, Data Science

Technical Skills: Python, R, SQL, Snowflake, AWS, GCP, Looker, Tableau, Flask, Web Scraping, GIS, Git, Github