

# AMIR GRUNHAUS

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## EDUCATION

### University of California, Berkeley

August 2019 - May 2023

Bachelor of Arts, Double Major in Data Science and Economics

**Relevant Coursework:** Foundations of Data Science, Computational Structures in Data Science, Data Structures, Principles & Techniques of Data Science, Probability for Data Science, Data Mining and Analytics, Linear Algebra, Introduction to Machine Learning and Data Analytics, Econometrics, Economics Research, Special Topics in Accounting

## SKILLS

**Programming:** Python (numpy, pandas, matplotlib, scikit-learn, keras), SQL, Java, R, HTML

**Tools:** Tableau, Excel, Stata, AWS

**Languages:** Spanish (fluent), English (fluent), Hebrew (fluent)

## WORK EXPERIENCE

### Honda Development & Manufacturing of America

Berkeley, CA

*Data Analyst*

January 2023 – May 2023

- Developed comprehensive business intelligence dashboard, leveraging telematics data to provide valuable insights into mobility and energy at both trip and fleet levels
- Utilized Streamlit and Plotly Dash to create interactive dashboard, seamlessly integrating data science libraries for enhanced functionality and customization
- Authored comprehensive blog post highlighting the development of the BI dashboard and showcasing the intersection of data science, mobility, and sustainability

### Guidepoint

San Francisco, CA

*Associate Intern*

June 2022 – August 2022

- Identified and sourced recruits for Guidepoint's network of expert advisors in 150 industries through CRM software
- Constructed statistical metrics to design effective outreach program, increasing recruit response rate by 8%
- Increased clients' advisor utilization rate from 50% to 67% by developing recruitment strategies in collaboration with cross-functional teams of Project Managers and Associates

### EDGE in Tech Initiative

Berkeley, CA

*Research Data Scientist*

August 2021 – December 2021

- Performed statistical analysis to identify trends in the representation of disadvantaged students in STEM majors and proposed potential interventions to increase inclusivity in pre-requisite courses
- Consolidated data from three sources into main database of over 100,000+ students and used Python libraries to generate data report visualizing educational disparities in STEM courses
- Presented long-term action plan to UC Berkeley faculty, deans, and administrators to increase retention rates for under-included students in prerequisite STEM courses by 7%

### Spendl

Tel Aviv, Israel

*Data Science Intern*

May 2021 – August 2021

- Developed KPI dashboard featuring geographic, chronological, and user metrics by visualizing and modeling financial data to gain insights into customer behavior and drive business growth
- Processed geospatial data and developed real-time interactive map by using Python's bokeh and GeoPandas libraries to help design geographic marketing strategy
- Analyzed CRM data daily to enhance customer retention, leading to increase in customer platform engagement

## PROJECTS

### Fantasy Premier League (FPL) Prediction Model

August 2022

- Developed Random Forest machine learning model to predict player performance in English Premier League soccer matches using Python's scikit-learn library
- Utilized feature engineering and cross-validation techniques to improve model accuracy
- Cleaned and extracted data from database of 139,500 entries to make predictions and optimize player-selection process

### The Impact of the Abolition of the Army on Costa Rica's Educational Development

August 2022 – December 2022

- Conducted empirical econometrics study investigating the long-term effects of the abolition of the army in Costa Rica on educational development
- Employed synthetic control methods to highlight a significant increase of 1.9% in primary school enrollment over a 20-year period following demilitarization
- Selected for publication in the Berkeley Economic Review Fall 2023 Edition, UC Berkeley's premier undergraduate, peer-reviewed, academic economics journal