Kobe Sarausad

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Education

University of Washington Seattle, WA

Bachelor of Science in Statistics: Data Science *Sep 2019 - Aug 2023* GPA: 3.55/4.00

Relevant Coursework: Data Structures and Algorithms, Foundational Skills for Data Science, Statistical Computing, Data Visualization, Machine Learning, Applied Regression and Analysis of Variance, Nonparametric Statistics

Experience

Seattle Mariners Seattle, WA

Analyst, Revenue Insights *Oct 2022 - Present*

- Developed and optimized predictive models for demand forecasting, sales projection, and anomaly detection using Python and R, leveraging machine learning algorithms and statistical techniques to enhance accuracy and performance.
- Produced and maintained PowerBI dashboards that compile key metrics to provide actionable insights into business performance and inform decision-making.
- Automated tasks using AI/ML to reduce the need to do manual processes by 10 hours/week.

University of Washington Seattle, WA

Data Science Intern *Sep 2022 - Aug 2023*

- Built interactive visualizations with D3.js to translate convoluted deep learning model outputs to stakeholders and decision-makers.
- Fine-tuned deep learning models to generate forecasts of student quarterly performance, using engagement patterns within educational applications.
- Conducted experimentation with various LLMs to develop a chatbot capable of assisting students in exploring their academic interests and providing personalized recommendations for relevant courses.

MLB New York, NY

Analytics Intern *Jun 2022 - Aug 2022*

- Created data dictionaries and performed data mapping for relational databases using Lucidchart to ensure consistency and accuracy in the cloud warehouse.
- Segmented MLB.tv customers using clustering methods to identify target groups for marketing campaigns.
- Automated queries and report generation using R to enhance efficiency and streamline routine tasks.

Projects

- **SPA DRP, NBA MVP Prediction using Machine Learning** (R, slides): Predicted the NBA MVP by combining season game-level statistics and Reddit sentiment analysis.
- **CSE 412, Presenting American Homelessness Data With Interactive Visualizations** (Vega-Lite): Created interactive visualizations using Vega-Lite to present the trends and patterns of homelessness in the United States.
- **Datathon 2023, Projecting Crime Frequency** (D3): Compared different deep learning models that best predicted most likely crime. Produced report using D3.js in an article-style format.
- **DataFest 2023, Uncovering Neglected Pro Bono Cases using Survival Analysis** (R): Applied survival analysis to uncover cases that required more resources.
- **STAT 403, 2020 Election Exit Poll Analysis Using Bootstrap** (R): Using Bootstrap, we analyzed election outcomes and used logistic regression to predict the outcomes.
- **Court1 Consulting, KPI Dashboard**: Streamlined API interactions with Stripe and Toast using Lambdas, whilst utilizing S3 for data storage. Generated actionable insights via R Shiny.

Skills

Skills/Knowledge: Statistical Analysis, Machine Learning, LLMs, Data Visualization

Tools: Jupyter Notebook, RStudio, Tableau, Git, PowerBI, Excel

Cloud Platforms: Snowflake, AWS, Azure

Languages: English, Japanese