Benjamin Noah
Data Scientist

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Professional Summary

Data Scientist with a Master's in Economics and proven work experience. I have developed a deep understanding of predictive modeling, and data processing using Python. Ability to solve complex problems within organizations to optimize results

Skills

Python ● ● ● ● ●
Data Cleaning / Data Preprocessing / Modeling

Machine Learning ● ● ● ● ○
Supervised Learning / Unsupervised Learning

SQL ● ● ● ○ ○
Database Management / Data Extraction

Deep Learning ● ● ○ ○ ○
TernsorFlow / Keras / PyTorch

Professional Experience

Research Associate, *University of California, Santa Barbara (UCSB)* 09/2018 – 09/2021
- Wrote 5+ reports analyzing research papers by highlighting strengths, weaknesses, and ideas for future research using an economic perspective.
- Identified novel topics in research by synthesizing general research in the field and presented research proposals on topics in population, behavioral, and health economics.

Researcher, *Cedars-Sinai Center for Outcomes Research and Education* 09/2016 – 06/2018
- Designed cost-effectiveness/health decision models for various projects.
- Conducted systematic reviews and meta-analyses for several studies.
- Organized, planned, and coordinated a national conference on medical virtual reality.
- Coordinated Institutional Review Board applications, edited and revised consent forms, and protocols to ensure compliance with organizational policies and federal laws.

Education

Data Science Bootcamp, *Practicum by Yandex* 2021 – 2022

M.A. in Economics, *University of California, Santa Barbara* 2018 – 2020

B.S. in Economics, *University of Oregon* 2012 – 2016

Projects

Interconnect - Notebook, *To create a machine learning model to predict which customers will leave Interconnect soon.* 01/2022
- Cleaned and merged 4 datasets for analysis.
- Built 5 unique models using hyperparameter tuning, scaling, and cross-validation.
- Created a Dash widget to compare models' accuracy and AUC scores.

Film Junky Union - Notebook, *To create a machine learning model to automatically detect negative reviews.* 12/2021
- Normalized the text using regular expressions.
- Built 5 models using a variety of different tokenizers and machine learning algorithms.
- Analyzed model performance using accuracy, F1, and ROC-AUC scores.

Publications

- Almario CV, **Noah B**, Jusufagic A, Lew D, Spiegel BMR. The Cost-Effectiveness of Laboratory Biomarkers for Irritable Bowel Syndrome with Diarrhea: A Framework for Payers. Clin Gastroenterol Hepatol.

- **Noah B**, Keller MS, Mosadeghi S, Stein L, Johl S, Delshad S, Tashjian V, Lew D, Kwan J, Jusufagic A, Spiegel BMS. Impact of Remote Patient Monitoring on Clinical Outcomes: An Updated Meta-Analysis of Randomized Controlled Trials. Digital Medicine.