

Profile

Data scientist with 4+ years experience seeking opportunity to solve large scale problems with graph neural networks

Experience

Nationwide Insurance Columbus, OH

Data Scientist, Jan 2018 - present

Call Center Forecasting: Forecast daily count of new claims calls to assist Workforce Management in call center scheduling.

- *Business Relations:* Defined objective with workforce management leader, communicated data requirements with data engineer, validated counts with claims team managers, and coordinated with implementation engineer/IT to productionize model.
- *Business Impact:* Estimated savings of 0.5% productivity lift for 2,500 claims FTEs (in production 2022Q2)
- *Techniques/Tools:* Time Series Forecasting, Uber's Orbit

Lifetime Value Modeling: Predict property & casualty policy lifetimes for lifetime value estimation

- *Business Relations:* Collaborated closely with Finance partners to combine expense structures with policy survival times to construct a lifetime value
- *Business Impact:* Work paused before delivery due to major company reorganization/reprioritization
- *Techniques/Tools:* Deep Recurrent Survival Analysis (LSTM), PyTorch

Programmatic Advertising: Provide ad-hoc analytics support to in-house programmatic traders

- *Business Relations:* Served as a dedicated data scientist to programmatic advertising team
- *Business Impact:* Analysis of data logs led to discovery of \$1.4MM annual ad waste (unenforced frequency caps) in connected TV buys
- *Techniques/Tools:* Python, Google Cloud Platform (GCP)

Consulting:

- Consult on internal and external projects involving deep learning
- Deliver knowledge share talks on neural networks/deep learning
- Assist peers with integration of tech stack (Python, git, AWS)
- Serve on peer review and interview panels

Brandon (Chuck) Bryant

Data Scientist

Contact

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Skills

Python (numpy, pandas, matplotlib)

PyTorch

SQL

Linux

bash

git

Machine Learning

Neural Networks

Time Series Forecasting

Familiar:

Reinforcement Learning (gym)

Hugging Face (transformers)

Graph Neural Networks (DGL)

Education

The Ohio State University

Ph.D. Physics, 2016

Awards: Hazel Brown

Outstanding Teaching Assistant