

Miah Stewart

Data Scientist

Data enthusiast with life-long learning attitude.

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Hataitai, Wellington, New Zealand 📍

WORK EXPERIENCE

Data Scientist SWEAT

2020

Tasks

- Building and maintaining all analytics ETL pipelines
- Building data products (pChurn / pLTV) and deploying into production
- Tech: Airflow, Docker, Fivetran, Snowflake.

Data Scientist Xero

2020 - Present

Tasks

- Solving key customer acquisition goals by applying data science.
- Customer profiling; producing customer clusters for future experimentation / richer targeting.
- KPI data anomaly detection for early identifying of data issues before deployment.

Data Insights Analyst Xero

2016 - 2020

Tasks

- Built accurate projection model for monthly business acquisitions in each market.
- Technical data investigations into areas of concern / development opportunities.
- Produced and automated key performance dashboards.
- Automated ETL from digital marketing RESTful API's.

Statistical Analyst Stats NZ

2014 - 2016

Tasks

- Database maintenance for government integrated dataset (LBD).
- Developed early experience in SQL databases.
- Created an anomaly detection / scoring model for administrative bulk upload dates of government data. Helped produce a 'trustability' score for a given address.

EDUCATION

B.Sc. Mathematics Massey University

2011 - 2013

Courses

- Undergraduate math with a minor in statistics. 'Pure' math focussed set the ground work for understanding ML.

SKILLS

R (advanced)

Python (proficient)

SQL/PSQL

Machine Learning

GA / BQ

PERSONAL PROJECTS

Amazon album recommendation model [🔗](#)

- An album recommendation embedding model using amazon purchasing data. Produced using pytorch deep learning module.

NBA MIP award prediction model [🔗](#)

- Produced a KNN model to predict who would win the NBA award for most improved player.

NBA career trajectory models [🔗](#)

- Developing career trajectories from player game logs to find common career pathways and where player 'peak' in their career. Utilising clustering techniques.

COURSES

Fast.ai practical deep learning for coders

Learned practical deep learning whilst completing additional homework for more in depth understanding. Part two helped me to implement deep learning concepts with pytorch

Introduction to machine learning

Basics of machine learning. Was a good building block for future development.

Google Analytics / BigQuery

Have an advanced skillset in GA and BQ through my role at Xero

INTERESTS

Sports analytics and modelling

Basketball