

JESSE ONLAND

DATA SCIENCE AND BUSINESS INTELLIGENCE

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EXPERIENCE

Samos Insure, Kitchener ON — *Data Scientist*

FEB 2021 - PRESENT

- Responsible for all quantitative insights, reporting directly to founders.
- Surveyed peer-reviewed medical literature to develop domain knowledge.
- Implemented data mining pipeline to efficiently prepare large healthcare datasets for analysis.
- Applied machine learning algorithms to model elective surgery risk to optimize pricing of novel insurance product.
- Managed and mentored co-op students.

Allianz Global Assistance, Kitchener ON — *Data Analyst*

MAR 2018 - JAN 2021

- Maintained existing and developed new internal and client-facing reporting.
- Collaborated in transition to modern toolchain and data-driven culture.
- Responsible for all data analytics specific to medical discounting.
- Investigated impact of turn-around time, bill type, size of claim, and other factors to optimize medical discounting performance.

Green Brick Labs, Kitchener ON — *Junior Numerical Analyst*

JUN 2015 - MAR 2017

- Set odds at online sportsbook and tracked activity of VIP users.
- Visualized user transaction data to detect fraud and collusion.

EDUCATION

University of Waterloo, Waterloo ON — *BMath*

SEP 2008 - AUG 2013

Major: Combinatorics & Optimization. Minor: Philosophy

Independent Study

- *Data Science: Foundations using R Specialization* (Coursera)
- *Tableau Fundamentals* (DataCamp)
- *An Introduction to Statistical Learning, 2nd ed.* (James et al., 2021)
- *Statistical Rethinking, 2nd ed.* (McElreath, 2020)

PROJECTS

- jdonland.github.io/machine_learning_about_runers
- jdonland.github.io/cities_with_nice_weather

SKILLS + TECHNOLOGIES

Languages:

R	●●●●○
Python	●●●○●
SQL	●●●○●
Julia	●○○○○

Tools + Frameworks:

tidyverse	●●●●○
tidymodels	●●●●○
Excel	●●●●○
Power BI	●●●○●
pandas	●●●○●
SSRS	●●●○●
Tableau	●●●○●
MicroStrategy	●●○○○
Keras	●○○○○
scikit-learn	●○○○○

Collaboration:

Airtable
Jira
Trello
git
Google Workspace

OTHER INTERESTS

- Formal logic
- Philosophy of science
- Cycling
- Cooking