

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 rare events classification techniques 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

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

PROJECTS

- (See jdonland.github.io)

SKILLS + TECHNOLOGIES

Languages:

R ●●●●○

Python ●●●●○

SQL ●●●●○

Julia ●○○○○

Tools + Frameworks:

tidyverse ●●●●●

tidymodels ●●●●○

Excel ●●●●○

Shiny ●●●●○

Power BI ●●●●○

pandas ●●●●○

SSRS ●●●●○

Tableau ●●●●○

MicroStrategy ●●○○○

Keras ●○○○○

scikit-learn ●○○○○

Collaboration:

Airtable

Jira

Trello

git

Google Workspace

OTHER INTERESTS

I organize an online reading group based on a book of combinatorial logic puzzles: discord.gg/95Utp8byPW