JESSE ONLAND

DATA SCIENCE AND BUSINESS INTELLIGENCE

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EXPERIENCE

Samos Insure, Kitchener ON — *Data Scientist*

FEB 2021 - JUL 2023

- Took responsibility for all quantitative insights.
- Built domain knowledge in surgical mortality risk and identified actionable insights in peer-reviewed medical literature.
- Implemented healthcare data analysis pipeline.
- Managed and mentored co-op students.

Allianz Global Assistance, Kitchener ON — *Data Analyst*

MAR 2018 - JAN 2021

- Developed and maintained internal and client-facing reporting.
- Collaborated in transition to modern software stack 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.
- Modeled and 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:*
  - See **linkedin.com/in/jesseonland**
- *Books:*
  - *Elements of Statistical Learning (Hastie et al., 2001)*
  - *Statistical Rethinking (McElreath, 2020)*

PUBLICATIONS

Newman, E., Feng, X., Onland, J. D., et al. "Roles of precipitation and anthropogenic water sources in abundance of A. aegypti." Scientific Reports, forthcoming

PROJECTS + OTHER INTERESTS

- See **jdonland.github.io**

SKILLS + TECHNOLOGIES

Languages:

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

Tools + Frameworks:

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

Collaboration:

Notion

Airtable

Jira

Trello

git

Google Workspace