# 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:*
  - *Elements of Statistical Learning (Hastie et al., 2001)*
  - *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 combinatory logic puzzles: **discord.gg/95Utp8byPW**