



Brody Reid

Education

2020 – PRESENT

CodeCore College

Web Application Development Diploma

2019 – 2020

Ryerson University

Certificate of Data Science

2014 – 2019

University of Victoria

BSc Mathematics and Physics

Research Projects

Airport activity as a predictor of regional economic development (2020)

- Explored the relationship between flight activity in a region and that region's economic growth.
- Method included attribute selection and multiple linear regression.
- Determined that in Montreal, with all else equal, *a 10% increase in flight activity produces a 3.6% increase in individual median income and a 0.5% increase in employment.*

An analysis of the Miller model in predicting influenza spread (2019)

- Derived J.C. Miller's model on probabilistic contact-networks using the SIR model.
- Applied Miller's model to U.S. data on flu-induced hospital visits.

Velocity models of tornado vortices (2018)

- Examined two well-known, but basic, vortex models.
- Derived a new model based on work by S.A. Arsenyev.

Competencies

Analytics

R, Matlab, PySpark, SQL.

Front End

HTML, CSS.

Development

Python, Javascript.

Work Experience

2020 – 2020 VICTORIA, BC

Victory Barber & Brand

Weekend Manager

2019 – PRESENT REMOTE

Tutor Doctor

Mathematics and Physics Tutor