

Sky Allinott

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WORK EXPERIENCE

Government of Alberta

October 2022 - Present

Data Scientist (Automobile Insurance Rate Board)

Edmonton, AB

- Improved the usage of data by utilising SQL and Power BI to create empowering dashboards.
- Leveraged data by conducting studies into the auto insurance market in Alberta with R and Python.
- Reviewed GLM and machine learning models submitted by insurers to ensure they charge fair and equitable rates.
- Presented studies and complex statistical topics monthly to our board.

University of Alberta

August 2022 - Present

Part Time Research Assistant (Department of Economics)

Edmonton, AB

- Constructing a rich panel dataset (4 million rows, 100+ features) on Edmonton and Calgary real estate.
 - Created measures on crime, transit accessibility, development activity, pollution levels and more.
 - **Insight:** Half the properties in the City do not live within 1 kilometre of a grocery store.

City of Edmonton

May 2021 – September 2021

Business Analyst Student (Urban Planning and Economy)

Edmonton, AB

- Determined if City initiatives to reduce permit timelines were successful using internal permit data.
 - Communicated the success and failure of these initiatives regularly to senior leadership.
 - Shared with the public by Mayor Amerjeet Sohi and the City of Edmonton twitter account.
- Improved team forecasting by introducing machine learning methods for model selection in R.
- Saved time for the team by implementing a script that pulled external data and published it to Google Sheets.

EDUCATION

University of Alberta

June 2022

Masters of Arts, Economics (GPA: 3.9)

Edmonton, AB

- **Thesis:** Effect of LRT Expansion on Neighbouring Property Valuations: Evidence from Edmonton Alberta
 - Quantified the effect by distance to the station, project stage, and property value quantiles.
 - **Insight:** Nearest properties depreciated 5%, while further properties appreciated as much as 12%.

PERSONAL PROJECTS

What Determines Edmonton Housing Values?

July 2022

Python

[Project Link](#)

- Predicted housing valuations on a personally made dataset using a tuned machine learning model.
 - Model had an average inaccuracy of just 6%, or approximately \$16,500.
 - **Insight:** Lot size, structure size, and distance to downtown were the most important variables.