Sky Allinott

skyallinott@gmail.com ❖ (867) 875-8763 ❖ Edmonton, AB ❖ skyallinott.com

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.
- Utilised a Git workflow for version control, documentation and project management.
- Presented studies and complex statistical topics monthly to our board.

University of Alberta **August 2022 - December 2022**
Research Contractor (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.