

Sky Allinott

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EDUCATION

University of Alberta

Masters of Arts with Honours, Economics

June 2022

Edmonton, AB

University of Alberta

Bachelors of Arts with Honours, Honours Economics

September 2021

Edmonton, AB

WORK EXPERIENCE

City of Edmonton

Business Analyst (Urban Planning and Economy), Student

May 2021 – September 2021

Edmonton, AB

- Presented complex data and analysis in simple and engaging ways to varied audiences.
- Improved department forecasting by introducing machine learning methods for model selection.
- Implemented a script to efficiently update several forecasts at once.
- Quantified the positive impact to external stakeholders of the City's effort to improve service timelines.

University of Alberta

Graduate Teaching Assistant

September 2021 – April 2022

Edmonton, AB

- Improved class instruction by presenting common class misunderstandings to the instructor.
- Communicated with students one on one about their grades on assessments.

Government of Canada

Citizenship Assistant

June 2019 – December 2020

Edmonton, AB

- Improved application efficiency by implementing and maintaining a database of client requests and information.
- Represented the Government of Canada to the public during citizenship tests and ceremonies.

PERSONAL PROJECTS

Predicting Spotify Song Popularity

Python

June 2022

[Project Link](#)

- Utilised the Spotify API to pull track information and predict song popularity with machine learning models.

Predicting Change in Stock Price

R

April 2021

[Project Link](#)

- Determined probability of a stock price increasing/decreasing the next day using time series cross-validation.

Predicting IBM Employee Attrition

R

April 2021

[Project Link](#)

- Compared predictive power of three machine learning models in determining employee attrition.

Forecasting Canadian GDP

December 2020

R

[Project Link](#)

- Utilised the Statistics Canada API to gather data and used an ARIMA model to forecast GDP.

ACADEMIC RESEARCH

Effect of LRT Expansion on Neighbouring Properties

June 2022

Stata

- Determined causal effect of new LRT stations on property value in Edmonton Alberta.

Forecasting Aggregate Investment: Comparing Approaches

April 2022

R

- Compared forecasting ability of a static theoretical investment formation equation to time series models.

Price Effect of a Gasoline Cartel

February 2022

R

- Estimated damages and cartel period of a collusive gasoline market in Southern Ontario.

Impact of Childhood Computer Access on Wage Determination

April 2022

R

- Measured the impact additional years of computer access as a child had on adulthood wages.

AWARDS

Graduate Teaching Assistantship

2021

University of Alberta

- Awarded to select candidates of the Masters of Economics program based on outstanding scholastic standing.

Emerson and Tang Family Scholarship

2020

University of Alberta

- Awarded to a student with superior academic achievement in Economics and has shown involvement in sports.

KD Verville Scholarship for Excellence in Economics

2020

University of Alberta

- Awarded annually to a student with superior academic achievement entering their second, third, or fourth year of the Honours Economics program.

Gwendolyn Ewan Scholarship (University of Alberta, 2019)

2019

University of Alberta

- Awarded for superior academic achievement to a student from the Northwest Territories.

Dean's Honours List

2018, 2019, 2020

University of Alberta

- Presented to students possessing a 3.5 GPA or better on a full-time course load.