Sky Allinott

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EDUCATION

University of Alberta **June 2022**
Masters of Arts with Honours, Economics *Edmonton, AB*

University of Alberta **September 2021**
Bachelors of Arts with Honours, Honours Economics *Edmonton, AB*

WORK EXPERIENCE

City of Edmonton **May 2021 – September 2021**
Business Analyst (Urban Planning and Economy), Student *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 **September 2021 – April 2022**
Graduate Teaching Assistant *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 **June 2019 – December 2020**
Citizenship Assistant *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 **June 2022**
Python *Project Link*

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

Predicting Change in Stock Price **April 2021**
R *Project Link*

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

Predicting IBM Employee Attrition   **April 2021**
R   *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.

Tableau Dashboards
Tableau   *Tableau Portfolio*

- Employed Tableau to create various visually engaging and interactive data visualisations.

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**
Stata

- 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, 2021**
University of Alberta

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