

# Justin Desrosier

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## EDUCATION

### University of New Brunswick Fredericton, NB

(Research-based) Master of Arts, Economics

Sep 2021 – Aug 2022 (expected)

GPA: 3.7 / 4.00

M.A. report: Asymmetry in Wage Convergence between Native-born and Immigrants: Canadian Evidence.

Graduate coursework: Econometrics II, Applied Econometrics, Micro/Macro Theory, Industrial Organization Theory, Transportation Economics, Health Economics, Social Consequences of Population Dynamics

### University of Ottawa Ottawa, ON

Bachelors of Social Sciences, Economics

Sep 2015 – Dec 2020

Select advanced coursework: Applied Econometrics, Micro/Macro Theory III, Regional and Urban Economics, Budgetary Policy and Public Finance, Sociology of Ethics, Public Policy Development

## WORK EXPERIENCE

### University of New Brunswick Fredericton, NB

Graduate Research Assistantship / Teaching Assistant

Sep 2021 – Aug 2022 | 10 hours/week

- Supervisor: [Dr. Murshed Chowdhury](#). Topic: Economics of Canadian Immigration.
- Teaching Assistant for ECON 3023 Macroeconomics I & ECON 1023 Principles of Macroeconomics.

### Transport Canada Ottawa, ON

Research/Analysis Officer

Jan 2021 – Aug 2021 | 37.5 hours/week

- [Economic Analysis and Research Branch](#) of the [Policy Group](#).
- Developed a linear regression model of intermodal trade flow using R and SQL. Involved presentations at the directorate level and provincial/territorial stakeholders. Resulted in a peer-review by an academic.
- Developed a regression analysis of COVID-19 on traffic flow using R, featured in an urban mobility report.
- Conducted a statistical analysis of St. Lawrence Seaways' vessel traffic using R and SQL, presented the findings using HTML to management as a demonstration of opportunities for an underutilized data source.

### Transport Canada Ottawa, ON

Junior Policy Analyst

Jan 2020 – Aug 2020 | 37.5 hours/week

- Economic Analysis and Research Branch of the Policy Group.
- Conducted econometric research on the determinants of trade corridor volume and developed a model of international trade using STATA to provide insight on the competitiveness of Canadian ports.
- Provision of a variety of statistical analysis using R and SQL, using traffic flow GIS data.

### Employment and Social Development Canada Ottawa, ON

Junior Policy Analyst

May 2019 – Aug 2019 | 37.5 hours/week

- [Data Analysis and Reporting Unit](#) of the [Homelessness Policy Directorate](#).
- Using STATA, assisted in the maintenance and analysis of a large dataset which tracks total shelter capacity and utilization in Canada, providing policy colleagues with evidence of current shelter shortfalls.
- Developed a statistical analysis on substance use among the Canadian homeless population using SPSS and presented the findings to management as a research proposal.

### Innovation, Science and Economic Canada Ottawa, ON

Junior Program Officer

Jan 2019 – Apr 2019 | 37.5 hours/week

- [Telecommunications Policy Branch](#) of the [Strategic Policy Sector](#).
- Monitored and provided ministerial correspondence regarding government initiatives, legislation, policy, and operational plans which affect the telecommunications sector in Canada.
- Conducted analysis of private and public sector inquiries into telecom regulation through the CRTC as an administrative tribunal, provided judgment on stakeholder's sentiments regarding funding policy disputes.

### Parliament of Canada Ottawa, ON

Internship

Jan 2018 – Aug 2018 | 10-20 hours/week

- Developed excellent writing, administrative and organizational skills in a Member of Parliament's office, a former Minister Responsible for the Status of Women and Minister of Labour.
- Learned Parliamentary procedures, government affairs and the policy-making process.

- Prepared briefings, research reports and correspondence pertaining to the Member of Parliament's daily responsibilities.

### **Shoppers Drug Mart** *Ottawa, ON*

*Pharmacy Assistant*

*Nov 2013 – Nov 2017 | 10-15 hours/week*

- High-pressure environment; developed sensible civil skills providing for regular and methadone patients.

## **ADDITIONAL TRAINING**

### **Applied Data Science with Python Specialization**

*University of Michigan - Coursera*

*Apr 2020 – Present*

- Select coursework: Introduction to Data Science, Applied Data Visualization, Applied Machine Learning

### **Advanced R Programming**

*CompuEase*

*Aug 2021 – Aug 2021*

### **Data Science Specialization**

*John Hopkins University - Coursera*

*May 2020 – Jun 2021*

- Select coursework: Regression Models, Practical Machine Learning, R Programming, Data Science Capstone
- credential

## **PROFESSIONAL SKILLS**

**Technical:** Econometrics, Machine Learning Methods, Databases, Data Visualization, Presentations, Public Policy Analysis

**Software:**

- Advanced: R, SQL Server, Excel, STATA, Windows 10
- Intermediate: Python, Git, Power BI, SPSS, L<sup>A</sup>T<sub>E</sub>X, HTML
- Beginner: Databricks, TensorFlow, MATLAB