

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, Society and Population

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.
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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](#)
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SKILLS & OTHERS

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, \LaTeX , HTML
- Beginner: Databricks, TensorFlow, MATLAB