

# Justin Desrosier

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## EDUCATION

### University of New Brunswick *Fredericton, NB*

*(Research-based) Master of Arts, Economics*

*Sep 2021 – Aug 2022 (expected)*

- M.A. report: Asymmetry in Employment Dynamics between Canadian-born and Immigrant Groups
- Coursework: Econometrics II, Applied Econometrics, Micro/Macroeconomic Theory, Industrial Organization Theory, Transportation Economics, Health Economics, Social Consequences of Population Dynamics

### University of Ottawa *Ottawa, ON*

*Bachelor of Social Sciences, Economics*

*Sep 2015 – Dec 2020*

- Participant on the first runner-up team in the 2020-21 Bank of Canada [Governor's Challenge](#).
- 4th year [Directed Research](#) on International Economic and Trade Policy with [Transnational Corporation Review](#).
- Advanced coursework: Applied Econometrics, Micro/Macroeconomic Theory III, Regional and Urban Economics, Budgetary Policy and Public Finance, Sociology of Ethics, Public Policy Development, Law and Public Administration

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## PROFESSIONAL EXPERIENCE

### University of New Brunswick *Fredericton, NB*

*Graduate Research Assistant / Teaching Assistant*

*Sep 2021 – Aug 2022 | 30 hours/week*

- Supervisor: [Dr. Murshed Chowdhury](#). Topic: Economics of Canadian Immigration.
- Principal Investigator of a [Statistics Canada RDC Network](#) project using IMDB, Census, ELMLP microdata files.
- 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 impacts on traffic flow using R, featured in an urban mobility report.
- Conducted a statistical analysis of St. Lawrence Seaway maritime trade using R and SQL, presented the findings using HTML 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.
- Developed applied econometric research on the determinants of trade corridor volume and created a model of international trade using STATA to provide insight on the competitiveness of Canadian ports.
- Provided of a variety of statistical analysis using R and SQL with 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 Development 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 inquires 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 cabinet Minister.
  - Learned Parliamentary procedures, government affairs and the policy-making process.
  - Prepared briefings, research reports and correspondence pertaining to the Member of Parliament's responsibilities.
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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, [credential]

May 2020 – Jun 2021

- Select coursework: Regression Models, Practical Machine Learning, R Programming, Data Science Capstone
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## PROFESSIONAL SKILLS

### Technical:

- Econometrics, Public Policy Analysis, Machine Learning Methods, Databases, Data Visualization, Presentations

### Software:

- Advanced: R, SQL Server, Excel, STATA,  $\text{\LaTeX}$ , Windows 10
- Intermediate: Python, Git, Power BI, SAS, SPSS, HTML, Bloomberg
- Beginner: Databricks, TensorFlow, MATLAB

### Language:

- Advanced: English | Beginner: French
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## CONFERENCE PRESENTATIONS

- Annual Conference of the Canadian Economics Association, Ottawa, Canada, Spring 2022.