

# Matthew Edwards, Data Scientist

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## LINKS

[Website](#), [GitHub](#), [LinkedIn](#)

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## RESEARCH AND DATA EXPERIENCE

Sep 2020 — Present	<b>Teaching Assistant, University of Toronto (Stats/CS)</b> JSC270 - Data Science I, STA220 - The Practice of Statistics <ul style="list-style-type: none"><li>Teaching Python libraries (pandas, numpy, matplotlib, scikitlearn, nltk, spacy, tensorflow, keras) and version control (Git, Github, Bash) to Data Science Specialists</li><li>Maintaining the Data Science course website</li></ul>	Toronto, ON
Dec 2019 — Dec 2020	<b>Statistician, Study.com</b> <ul style="list-style-type: none"><li>Providing expert solutions to hundreds of practice problems in statistics, economics and computer science</li><li>Collaborating with science editors and preparing answers for publication</li></ul>	Remote
Aug 2018 — Dec 2019	<b>Research Analyst, Government of Canada (ESDC)</b> <ul style="list-style-type: none"><li>Sentiment analysis on policy initiatives with transfer learning using neural nets (tensorflow, keras)</li><li>Latent Dirichlet Allocation (topic modeling) on 5000+ childcare news articles</li><li>Writing R packages to automate GIS data analysis</li><li>Developing open-source GIS applications to map over 90,000 childcare facilities and social-purpose businesses (python, javascript, html, Map Box API)</li></ul>	Gatineau, QC
Sep 2016 — Sep 2018	<b>Research Assistant, Queen's University (Econ)</b> <ul style="list-style-type: none"><li>Assisting on 7 projects with 5 supervisors involving data collection, cleaning and analysis (census archives, customs tables, patents, contracts, travel guides,...)</li></ul>	Kingston, ON
Sep 2017 — Apr 2018	<b>Teaching Assistant, Queen's University (Econ)</b> ECON 231, 332 - Economic History	Kingston, ON
Jan 2017 — Apr 2017	<b>Teaching Assistant, Royal Military College (Econ)</b> ECE224 - Microeconomics I	Kingston, ON

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## EDUCATION

Sep 2020 — May 2021	<b>MSc in Statistics, University of Toronto</b> <ul style="list-style-type: none"><li>Includes PhD sequences in Applied and Mathematical Statistics</li><li>Includes 3 courses in Machine Learning</li></ul>	Toronto, ON
Aug 2017 — Aug 2018	<b>MA in Economics, Queen's University</b>	Kingston, ON
Sep 2013 — Apr 2017	<b>BAH in Economics, Queen's University</b> <ul style="list-style-type: none"><li>Graduated with Distinction</li><li>Honours Dean's List, 2013-2017</li></ul>	Kingston, ON

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## SKILLS

Econometrics	Python
Machine Learning	R
Data Analysis	Git
Game Theory	Bash