

# MATTHEW EDWARDS

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[Website](#) | [Linkedin](#) | [GitHub](#)

## EXPERIENCE

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| <b>Teaching Assistant</b><br><i>University of Toronto, CS/Stats Departments</i><br>· Teaching python (pandas, numpy, matplotlib, scikitlearn, nltk, scipy) and version control (Git, Github, Bash) to undergraduate Data Science specialists<br>· Creating and marking assignments on simulation and natural language processing<br>· Maintaining the Data Science course website  | Sep 2020- May 2021<br>Toronto, ON  |
| <b>Statistician</b><br><i>Study.com</i><br>· Prepared expert solutions to hundreds of practice problems in statistics, CS, and economics<br>· Collaborated with science editors to prepare answers for publication   | Dec 2019- Dec 2020<br>Remote       |
| <b>Researcher</b><br><i>Employment and Social Development Canada</i><br>· Led or co-led over 20 technical presentations to clients and non-specialist audiences<br>· Built neural nets to extract sentiment from policy initiative documents<br>· Used natural language processing (topic modelling) to summarize childcare-related news articles<br>· Wrote R packages to automate geospatial(GIS) data analysis<br>· Co-created an open-source GIS app showing 90,000 childcare facilities and social-purpose businesses | Aug 2018 - Dec 2019<br>Gatineau QC |
| <b>Research and Teaching Assistant</b><br><i>Queen's University, Department of Economics</i><br>· Assisted on 7 research projects with 5 researchers involving data collection, cleaning and analysis (census archives, customs tables, patents, contracts, travel guides, etc.)   | Sep 2016- Sep 2018<br>Kingston, ON |

## EDUCATION

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| <b>Master of Science in Statistics</b><br><i>University of Toronto</i><br>· Includes PhD sequences in Mathematical and Applied Statistics<br>· Includes 3 CS courses in AI/Machine Learning            | Sep 2020- May 2021<br>Toronto, ON                        |
| <b>Master of Arts in Economics</b><br><b>Bachelor of Arts (Honors) in Economics, Minor in Statistics</b><br><i>Queen's University</i><br>· Graduated with Distinction<br>· Honors Dean's List, 2013-17 | Aug 2017- Aug 2018<br>Sep 2013- Apr 2017<br>Kingston, ON |

## SKILLS

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| <b>ML</b>              | supervised, unsupervised, and reinforcement learning, NLP                         |
| <b>Python</b>          | flask, plotly, pandas, numpy, sk-learn, tensorflow/keras, matplotlib, scipy, nltk |
| <b>R/Stan</b>          | tidyverse, rstan, MCMC  |
| <b>Version Control</b> | Git, Bash, Github, Gitlab   |
| <b>Databases</b>       | SQL, psql, PostgreSQL, SQLite   |