

# Chris Werner-Westoby

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GitHub: <https://github.com/chris-ww>

## EDUCATION

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### University of Guelph | Master of Science in Statistics

September. 2018 – October 2019

- Average 90%

**courses:** Computational statistical inference, statistical learning, regression analysis, intermediate programming, evolutionary computing, advanced calculus 2, disease modelling, mathematical modelling, biomathematics, generalised linear models, sampling theory, wildlife conservation and management, time series analysis, multivariate analysis, genetics, operations research

## SKILLS

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**Technical:** likelihood/bayesian statistical methods, surveys/experimental design, software development, project management, deep learning development, software development

**Soft:** organised, quick learner, conscientious

**Tools-Experienced:** Python, R, SQL, Excel, Office, C, GIT

**Tools-Familiar:** SAS, AWS, linux, javascript, tableau, java

## PROJECTS

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### Comparison of Cox Proportional Hazards model and Artificial Neural Networks on Clinical Data - University of Guelph

**Description-** Analyzing the use of neural networks for clinical survival data analysis

**Tools-R, Python, Latex** **Topics-** Statistical analysis, survival analysis, neural networks, clinical data

### Gathering and Analyzing Personal Data - <https://chris-ww.github.io/projects/>

**Description-** Use API's to gather and transform data from sleep, diet, activity, productivity, and location history.

**Tools-** Python, R, airflow, SQLite, db, json, html, csv | **Topic-** Data engineering, API's, analytics

### New York Crime Dashboards-<https://chris-ww.github.io/projects/>

**Description-** Analyzing and visualizing reported crime data from New York City

**Tools-** R, shiny, SQL | **Topic-** Big data, dashboards, visualization, data analysis

## EXPERIENCE

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### Graduate teaching/research assistant

September. 2018 – October 2019

University of Guelph | Guelph, Ontario

- Assisting students with learning/applying statistics and statistical software

### Order Selector

May. 2016 - September. 2017

TDL ltd. | Guelph, Ontario

- Loaded orders for a warehouse during summers
- Surpassed productivity requirements for full performance bonus

### Forestry Technician

May 2015 – September 2015

Protech Forest Resources | Telkwa, British Columbia

- Various forestry tasks: Assessing/ reporting/designating - timber plots/streams and wetlands/roads/boundaries/slopes/ valuable historical and natural features
- Worked alone in strenuous environments with diverse task