

# 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