Curriculum Vitae

Petra Lamborn

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Summary

I'm a passionate early-career statistician/data scientist and analyst. My language of choice is R, along with Python, and with bash and C++ for non data-related tasks. I'm also skilled with a variety of other tools such as git and QGIS.

Skills

- Statistical estimation, modelling, and prediction
- A broad base of knowledge, including biology, computer programming, and higher mathematics
- Problem solving and critical thinking
- Programming in R (including the tidyverse and RShiny), Python, SQL, and C++
- Report writing and automatic generation
- GIS tools such as ArcGIS and QGIS
- Microsoft Office
- Linux administration, including AWS EC2, DigitalOcean droplets, and Linode
- Version control with git
- Data entry and data cleaning: speed, reliability, and patience
- Real-world experience including building a statistical model for a startup
- Experience with substantial team and solo projects

Education

- Masters of Applied Statistics at Victoria University of Wellington (2018-2019)
  - Achieved with merit
- GDipSc in Statistics at Victoria University of Wellington (2017)
- BSc at Victoria University of Wellington (2013-16)
  - Major: Cell and Molecular Bioscience
  - Minor: Mathematics

Selected course marks

- Bayesian Statistics: A
- Computability and Complexity: A+

- Computational Statistics: A-
- Data Management and Programming: A+
- Statistical Consulting: A
- Generalised Linear Models: A+

Recent Work History

- Data System Analyst, Statistics New Zealand (May 2021-Present)
  - International Trade team
- Administration Assistant, RNZCGP (March 2021)
  - Quantitative and Qualitative analysis
- Data entry administration, RNZCGP (February-March 2020)
  - Discovered multiple process improvements for speed and accuracy
- Undergraduate statistics marker, VUW (2019)
  - STAT 193 and STAT 292
  - Fast turnaround with high accuracy
- Intern, Ampli (Jan/Feb 2019)
  - AWS EC2
  - Postgresql
  - Electricity demand modelling and prediction with R and Python