

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 and Experience

- Statistical estimation, modelling, and prediction
- A broad base of knowledge, particularly including biology 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, including Excel
- Linux administration, including AWS EC2, DigitalOcean droplets, and Linode
- Version control with git and Objective
- 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+

Work History

- 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
- Volunteer, Lower Hutt Foodbank (2017-18)
 - Sorting, lifting, etc
- Data entry, Comparative Education Research Unit, Ministry of Education (summer 2014-15 and 2015-16)
 - Data cleaning
 - TIMMS, TALIS, and related education surveys
- Volunteer, Trade Aid Petone (2013-14)
 - Stocktake
 - Invoices
 - Tech support
 - Backroom work