Zhijian Wen

Curriculum Vitae

Personal Summary

I am a graduate with Master major in Statistics, with experiences in data analysis/modeling, programming including developing R-package and data mining. I am interested in programming and I am enjoying to "talk" with computers. I am keen to join your company where I want to utilize my skills in creative.

Education

2016–2017 **Msc - Statistics**, *University of Auckland*.
Key course: Multivariate Analysis, Data Science Practice, Statistical Inference

2015–2016 **BSc(Hons) - Statistics**, *University of Auckland*.
Key course: Bayesian Inference, Statistical Computing, Statistical Modelling
*class representation of **Stats 779***

2012–2015 **BSc - Mathematics and Statistics**, *University of Auckland*.

Projects

Master **Emulate the `persp` plot and `filled.contour` plot in `gridGraphics`.**
*The `persp()` is used for drawing 3-D surface and the `filled.contour()` is used for drawing filled level contour plot in the **graphics**-package, which is the based package in **R**. My job is to convert (redraw) these two kinds of plots (functions) to **grid**.*
Supervisor: Associate Professor Paul Murrell

Honours **Bayesian inference on forensic glass evidence.**
The aim of this project is to fit a zero inflated Poisson mixture model and zero inflated negative mixture model to different situations (e.g. The breaker's distance from the window, Proportion of high persistence fragments).
Supervisor: Professor James Curran

Work Experience

2016-2017 **Teaching assistant**, *University of Auckland*.

Tutor and Marker of Stats 220: This course introduces a variety of computer technologies relevant to storing, managing, and processing data. My job is to help students to understand and solve the questions about the coding. Such as `HTML/CSS`, `SQL` and `R`

Marker of Stats 380: A course of statistical computing using the `R` statistical computing environment

2015-2016 **Summer Scholarship**, *University of Auckland*.
Working on the `iNZightMaps`-package, used in the mapping module for **iNZight**
I am one of the author of the `iNZightMaps`-package. I was working on the functions for plotting the geographical data and also made it handle coordinate and country data.

Skills

Advance: R, HTML, LaTeX
Fair: SAS, SQL,jags, Linux, Lua, JavaScript
Basic: C, C++, JAON, XML, MATLAB, Excel

Languages

English, Mandarin, Cantonese

Interest

o Game Computing   o Statistical Computing
o Table tennis   o Physics