

Rui Qiu

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Education

Australian National University

Master of Statistics
2017.02-Present

University of Toronto

Honours Bachelor of Science
with Distinction
Double major in Mathematics
and Statistics
Minor in Computer Science
2011.09-2016.06

Links

Blog:// interetro.rbind.io
Github:// [rexarski](https://github.com/rexarski)

Skills

Programming

Over 5000 lines
R • Python • \LaTeX
1000 - 5000 lines
MySQL
Less than 1000 lines
HTML • MongoDB •
PostgreSQL • Javascript •
MatLab • Julia • Mathematica

Visualization

Familiar
ggplot2
Knowledge
Shiny • d3.js • seaborn •
Tableau

Language

Mandarin • English • Spanish
(Beginner)

Interests

Clarinet, Jogging, Board
Games, Pixel art.

Experience

HD Education Academic Tutor

2018.08-Present | Canberra

- Provide tutoring in calculus, linear algebra and discrete mathematics.
- Conduct one-to-one final review sessions.

Freelancing R Language Tutor

2017.04-2017.11 | Canberra

- Guided through basic R language knowledge for data analysis, cover practical issues related to various statistical courses.
- Succeeded in keeping student's grade above 80%.

Zmate Network Technology Co. LTD Data Analyst Intern

2016.09-2016.12 | Shenzhen

- Migrated the web crawlers to scrape registration information of Chinese companies.
- Consolidated and maintained the database of gathered information and developed an evaluation mechanism of companies' intellectual property awareness.
- Configured an automatic domain name generation system based on Chinese naming convention.
- Collaborated with colleagues to create a visualized dashboard of daily trading status.
- Implemented a Q-learning algorithm to predict short-term price of cryptocurrency.

JBguide.me Editor/Author

2012.08-2015.03 | Remote

- Wrote blog posts and translated news about iOS jailbreaking community.
- Was the biggest Chinese jailbreak blog in 2013.

Projects

Mining and Predictions on Australian Stock Prices Author

2018.05

- Applied associate mining on stock data in R package rattle to discover frequent patterns.
- Constructed models using regression, neural network and time series to predict the future stock price change.

The Westerosi Survival Status Report Author

2017.11

- Cleaned up the scraped data of appeared characters in the fantasy novel "A Song of Ice and Fire".
- Constructed a Bayesian linear regression model and ran Monte-Carlo simulation for accurate prediction of character lifespan.

The Detection of Redlining in Chicago Insurance Data Author

2017.10

- Visualized different aspects of Chicago insurance data and highlighted potential redlining phenomenon.