

Education

M.S. in Statistics, GPA: 3.8
California State University, Fullerton, CA, Summer 2019

B.S. in Economics and Mathematics with a minor in German, GPA: 3.4
University of Redlands, CA, December 2015

Skills

Computer Science: Proficient in R and Python; Intermediate in Excel; Novice in SQL

Communication: Fluent in English and Spanish; Intermediate in German

Employment

Mathematics Tutor, December '16 – May '17
Xamaze Tutoring, La Verne, CA

- Tutor K-12 students underperforming in mathematics, by implementing specialized programs
- Administer test and analyze results using Excel to create efficient and individualized lesson plans

Macroeconomics Tutor, August '12 - December '15
Department of Economics, University of Redlands, CA

- Tutored students experiencing difficulty with macroeconomic concepts such as measuring economic aggregates, developing the Keynesian model, and analyzing fiscal and monetary policy
- Assisted students in problem-solving by encouraging an algebraic and graphical approach

Macroeconomics Grader, September '13 - December '13
Department of Economics, University of Redlands, CA

- Guided students by correcting assignments and providing detailed feedback/explanations for incorrect solutions
- Created Excel sheets documenting students' scores including a performance analysis of the entire class

Projects

Automated Data Verification

- Created and implemented an algorithm to identify data discrepancies and impute erroneous values
- Developed user-friendly configuration files and functionality to automate verification process in Python

Zero-Inflated Poisson Regression

- Detailed ZIP regression mathematically and performed several analytical comparisons with ZIP analogs
- Used R to code different interpretations of ZIP's EM algorithm, and compared results to pscl package

Leadership

Jasper's Corner Tutor (90 hours), January - May '15
University of Redlands, CA

- Helped K-12 students improve understanding and homework scores in math and science

Fidelity Isonomy Erudition Chair of Finance, May '12 - December '12
University of Redlands, CA

- Advised the organization's president on expenditure decisions and coordinate payment plans for members
- Led fundraiser planning to meet organization's financial goals of donating toward a charitable cause