

Richard Ronson

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Education

University of California, Santa Cruz

Master of Science in Applied Economics and Finance

Santa Cruz, California

Expected June 2017

GPA: 3.7

San Diego State University

Bachelor of Arts in Economics, Specialization in Quantitative Analysis

San Diego, California

May 2014

Major GPA: 3.58

Skills

- **Microsoft Office:** Excel, PowerPoint, Word
- **Programming:** Python, R, SQL, Stata
- Advanced knowledge of machine learning techniques and data cleaning
- Experience implementing machine learning techniques on data to generate predictive models

Related Coursework

Advanced Econometrics: generalized linear regression, nonlinear regression, time series-Granger causality, ARIMA process, GARCH process, data resampling, instrumental variables, regression discontinuity, survival analysis, Bayesian statistics, Monte Carlo simulation, hypothesis testing

Data Mining and Machine Learning: data preprocessing, data visualization, data cleaning and merging, bootstrapping, clustering analysis, random forests, cross-validation, ggplot2

Financial Engineering: derivative asset valuation, Black Scholes option pricing, Ito process, hedging with futures, bond pricing, bond immunization, interest rate swaps, financial forecasting, CAPM, portfolio diversification and construction, stock valuation, pivot tables

Applied Mathematics: Linear Algebra, Multivariate Calculus, Probability Theory

Relevant Work Experience

Center for Statistical Analysis in the Social Sciences

University of California, Santa Cruz

Santa Cruz, California

January 2016 - Present

Statistical Consultant

- Assist with model specification and regression interpretation with undergraduates, and graduate students
- Introduce students to a variety of statistical inference and hypothesis testing methods with the use of R
- Hold workshops on statistical packages such as R and basic econometric methodology

University of California, Santa Cruz

Teaching Associate, Business Strategy

Santa Cruz, California

March 2016 – Present

- Teach weekly classes for 30+ upper division students
- Apply economic concepts to business planning, financial strategy, and competitive analysis
- Grade exams and homework assignments while offering constructive feedback

Accomplishments

UCSC Applied Economics Graduate Fellowship (2015 and 2016)

SDSU Omicron Delta Epsilon Honor Society

SDSU Deans List (2012 and 2014)