

Anthony Fontana

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Education:

i. **University of California, Santa Cruz (2016-2017)**
Masters of Science, Applied Economics & Finance

Coursework:

- Econometric modelling of time series & cross sectional data
- Applied Microeconomics
- Bayesian Inference
- Statistical programming
- Fixed income & equity analysis
- Corporate decision making & Project assessment
- Cash flow analysis
- Portfolio management
- Financial engineering

ii. **California State University, Stanislaus (2012-2016) (Turlock Ca.)**
Bachelors of Arts, Economics

Honors & Awards:

- Deans Award of Excellence: This award is given on an annual basis to one graduating student per discipline in recognition of outstanding achievements within the discipline.
- Tom Foster Memorial Scholarship: This award is given to one student of the Economics department per year in recognition of outstanding achievements within the discipline.
- Dean's List Honors: Fall Semester 2012-2015/Spring Semester 2014-2016

Skills:

- R Studio
- Stata
- Python
- SQL
- Microsoft Excel • Pivot Table
- Excel VBA • PowerPoint
- Experience leading large group activities
- Customer Service experience

Experience:

i. **Energy Analyst** – JKB Energy, Turlock Ca. (May 2016-August 2016)

Company Description: Solar integrator for mid to large sized commercial and agriculture business

Responsibilities:

- Input and analyze historical usage data for clients, imputing missing data values when appropriate.
- Analyze electric rate structure to solve for optimal rate switch
- Assess whether client is applicable for various tax and depreciation incentives.
- Determine optimal photovoltaic system size for clients based on various system constraints including shading, land parcel contiguity, sun hours, module and inverter efficiency etc. (non-exhaustive list).
- Synthesize and interpret complex billing structures to provide clients with an understanding of the pricing mechanisms concerning solar credits

ii. **Intern Energy Analyst** – JKB Energy, Turlock Ca. (Feb 2016 – May 2016)

Responsibilities:

- Input and analyze historical usage data for clients
- Assist senior analysts in determining optimal photovoltaic system size for client
- Use pivot tables, visual basic, and other excel tools to perform data visualization and organization for senior analysts

iii. **Economics Tutor** – CSU Stanislaus, Turlock Ca. (Sept 2014 – May 2016)

Classes Tutored:

- Introduction to Econometrics
- Economics of Investment
- Intermediate Microeconomics/Macroeconomics
- Principles of Microeconomics/Macroeconomics

iv. **Research Assistant** – CSU Stanislaus: Department of Accounting & Finance (Jan 2016 – May 2016)

Project Title: San Joaquin Valley Business Forecast Report by Professor Gokce Soydemir

Project Description: The purpose of the report is to forecast values for key macroeconomic indicators including employment, bank deposits, withdrawals etc. (non-exhaustive) to provide businesses with a clear assessment of the state of the San Joaquin Valley economy.

Responsibilities:

- Gather data from various sources including BLS and FDIC
- Transform, clean, and prepare data for analysis using excel pivot tables

Sub-Project: CSU Stanislaus: Department of Accounting & Finance

Project Title: “A Chaos Approach to Bankruptcy Prediction” by Dr. David Lindsay, Chair of the Department of Accounting and Finance

Project Description: It was hypothesized that the volatility of a firms’ stock return can be used to predict whether or not the firm will file for Chapter 13 bankruptcy.

Responsibilities:

- Identify firms who have filed for Chapter 13 bankruptcy within the past ten years and gather closing stock price data from school database.
- Find a matching firm who hasn’t gone bankrupt using NAICs classification and gather closing stock price data. Convert all data into stock returns.

v. **Research Assistant** - CSU Stanislaus Department of Economics (Sep 2015 – April 2016)

Project Title: The Effect of Information Shocks on Willingness to Pay by Professor Rebekah Shrader

Project Description: Students were randomly selected as test or control groups and shown a series of clips containing (positive, negative, or neutral) information on the effects of using HFCS as an ingredient in soft drinks. The students would then participate in a series of auctions for soft drinks containing or not containing HFCS. Their bids were collected and analyzed for any significant changes along with demographic information collected through surveys.

Responsibilities:

- Assist with administration of surveys and implementation of experiment
- Input, clean, and transform data when necessary then shadow analysis

vi. **Research Assistant** - CSU Stanislaus Department of Economics (Feb 2015 – April 2015)

Project Description: Professor Kelvin Jasek-Rysdahl of the Economics Department annually collaborates with the Turlock Chamber of Commerce providing advice regarding local economic development. The Chamber needed assistance assessing whether or not to allow hotel companies to construct more buildings in the local area. They provided the data we would use to come to conclusions about the state of the local hotel industry.

Responsibilities:

- Perform a descriptive data analysis by creating graphs and tables of relevant economic information
- Compare developing business trends in Turlock city to the rest of Stanislaus county