

# TRAVIS HUANG

---

Los Angeles | (818) 536-3606 | [travis.huang.2018@anderson.ucla.edu](mailto:travis.huang.2018@anderson.ucla.edu) | [linkedin.com/in/huangtravis](https://www.linkedin.com/in/huangtravis)

---

## EDUCATION

---

**UCLA Anderson School of Management** | Los Angeles, CA

*Master of Science in Business Analytics (MSBA)*

Expected 12/2018

Class President

**General Assembly** | Santa Monica, CA

*Data Science Immersive Program*

03/2017

**USC Marshall School of Business** | Los Angeles, CA

*Bachelor of Science in Business Administration*

05/2009

Degree Concentrations: Entrepreneurship, Finance

## SKILLS

---

**Languages:** R, Python, Scala

**Databases:** MySQL/PostgreSQL, Spark, MongoDB, Redis, Cassandra, Neo4j

**Visualizations:** Tableau, ggplot, Bokeh, Plotly

**Machine Learning:** CARET, scikit-learn, keras, TensorFlow, Theano, PySpark, SparkML

**Other Skills:** Excel VBAs/Solver, Docker, Jupyter Notebook, BASH, Github, AWS EC2, Linux

**Domain Knowledge:** Blockchain, Pattern Analysis, Machine Learning Algorithm Development, Reverse Engineering

## EXPERIENCE

---

**General Assembly** | Los Angeles, CA

*Instructor, Data Science*

03/2018-Present

- Design and teach weekly lesson plans over a 10 week course focused on data science fundamentals and machine learning applications in Python

**Rockefeller Resources International** | Los Angeles, CA

*Manager, Research and Analytics*

06/2015-09/2017

- Built a docker based analytics platform that could handle statistical modeling of massive datasets and could be reliably reproduced in less than 10 minutes
- Recommended new tools in AWS marketplace that could reduce development and modeling time
- Deployed a scikit-learn (Python) application as a web service that could be accessible to cross-functional teams
- Investment recommendations and analytics support to fund portfolio companies enabled firm to reach an average annualized ROI of 93% over 3 years

*Research Associate*

11/2012-06/2015

- Constructed logistic regression models in R to predict financial performance of investment targets

## DATA SCIENCE PROJECTS

---

LCD Panel Price Fixing

- Investigated monthly LCD panel prices from 1998 to 2001 legal course of price collusion by a cartel of major television manufacturers
- Calculated damages to consumers by using a linear regression model in R to estimate counterfactual prices in the absence of collusion

US Liquefied Natural Gas (LNG) Predictions

- Deployed Long Short-Term Memory (LSTM) Recurrent Network using the Keras library to build a predictive model of Natural Gas (natgas) prices
- Enabled LNG investments to compete effectively for the East Asian LNG market, despite the impact of the 2014 oil price crash on natgas prices

Superbowl Beer Advertising

- Analyzed the effect of exposure to Budweiser commercials to Superbowl audiences and subsequent changes in beer sales using a Linear Model in R
- Discovered that although there was a strong correlation with viewership and beer sales from 2006 to 2011 (a coefficient of .438), the correlation dropped significantly when controlling for region and time effects (coefficient dropped to .138)
- Concluded a 15% increase of sales in eight weeks following Superbowls for a ROI of 55%

Anime Recommendations

- Clustered anime shows from 76,000 users at myanimelist.net into categories using KMeans analysis on genre tags and mean rating scores
- Built a recommendation engine using cosine similarity and a rating prediction model using a NearestNeighbors algorithm