Min Gu (Min) Jo

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http://mingujo.com | GitHub : github.com/mingujo

EDUCATION

University of California, Berkeley
- ***B.A. in Computer Science, Statistics, and Economics***
- Cumulative GPA : 3.418/4.0, Expected Graduation : December 2016

Relevant Coursework: Statistical Inference & Computing • Machine Learning • Statistical Data Science • Discrete Mathematics & Probability • Linear Modeling • Artificial Intelligence • Database Systems • Computer Architecture • Data Structures • Econometrics

SKILLS

Programming Languages
- JAVA, Python, R, C, SQL, MIPS Assembly (comfort level from most to least)

Software & Library
- Git, Jupyter, Eclipse, LaTeX, Scikit-Learn, Sloth

RESEARCH/PROJECT EXPERIENCE

Spring 2016 **Kaggle Challenge: Rossmann Drugstore Store Sales Prediction**
- Examined 3 different machine learning analysis for forecasting sales of each store: multivariate linear regression, Random Forest regression, and Gradient Boosting with regression trees

Fall 2015 **Detection of Activated Brain Regions Under Mixed Gamble Task (In-class Project)**
- Investigated the relationship between the brain activity and the behavior of the subjects towards the 50/50 gambling situations using a whole-brain robust regression analysis on Python
- Preprocessed and analyzed fMRI image data to identify active regions of the participants' brains

Fall 2015 **Kaggle Challenge: Titanic Disaster Survival Prediction**
- Developed machine learning ensemble models to predict the survival in Titanic disaster (80% accuracy when submitted)

Fall 2015 **Kaggle Challenge: Bag of Words Meets Bags of Popcorn**
- Applied text analysis(NLP) methods of TFIDF vectorizer and Google's word2vec on iMDb movie reviews to perform sentiment analysis (96% accuracy | top 11th percentile when submitted)

Spring 2013 **Probabilistic Modeling of Interactions on UC Berkeley Campus**
Prof. David Aldous: Undergraduate Research Group
- Designed an independent research topic and hypothesis to predict and visualized common routes of UCB undergraduates with different majors and their interactions on campus
- Collected survey data from 130+ undergraduates across 5 different majors on MySQL database
- Presented to 20+ undergraduates at the Statistics Undergraduate Research Poster Session

Spring 2013 **Prediction of Kobe Bryant's Performance in His Next Game (In-class Project)**
- Scraped Kobe's seasonal data from *basketball-reference.com* and selected relevant predictors
- Applied regression analysis and feature shrinkage methods to create statistical models for prediction and cross validated to evaluate the different machine learning models using R

PROFESSIONAL EXPERIENCE

June 2016 - August 2016 Berkeley, CA **LeadGenius**
Software Engineer Intern
- Data Science / Sales Outsourcing / Software Engineering

January 2016 - Present Berkeley, CA **Berkeley Institute of Data Science | OskiLab**
Undergraduate Researcher
- Work with a Ph.D. Student to explore a number of phenomena, including how consumers and producers understand and evaluate products in murky state-legal marijuana markets
- Use Keras (deep learning library for Theano) to detect article texts in Bon Appetit magazines

July 2013 - April 2015 Seoul, Korea **Ministry of National Defense of the Republic of Korea | Financial Management Corps**
Sergeant | Squad Leader | English Interpreter
- Communicated with officers, NCOs, and personnel of the 176th Financial Management Support Unit at U.S Army Garrison to promote business/fellowship relations with Financial Management Corps
- Translated U.S. Army financial tactics manual in wartime conditions to assist Korean officers in establishing financial support tactics for Korean military in wartime

June 2011 - Aug 2011 Seoul, Korea **Ernst & Young**
Business Advisory Intern
- Researched relevant data and created visuals for Samsung Card CRM Process Innovation Project
- Visualized click stream data on the web services using data analytical functions on Microsoft Excel
- Presented to senior management the analysis and possible paths of Korean Insurance firm projects