

Personal Summary

- Experienced in implementing data analysis workflow.
- Proficient in programming language R and Python as well as collaborative tool Git.

Education

University of California, Berkeley, USA

Sep. 2015–Present

- Master of Arts in Statistics

National Chengchi University, Taipei, Taiwan

Sep. 2011–June 2015

- Bachelor of Science in Statistics GPA: 4.0
- Specialized Program: English Taught Program and Mathematical Finance Program

Awards & Honors

- **Member of Beta Gamma Sigma**

Oct. 2014–Present

Academic Experience

Information Visualization Lab, Institute of Statistical Institute, Academic Sinica

Research Assistant

Oct. 2014–June 2015

- Learned GAP (Generalized Association Plot), a Java-designed exploratory data analysis software for matrix visualization.
- Attended the weekly meeting in the Information Visualization Lab and participated in projects using GAP to visualize the information of data.

Projects & Competition

NBA: Twitter Data Visualization Project

Feb. 2016

- Used Python to process the NBA players' tweets from Twitter API and cleaned the data from JSON format to CSV file.
- Visualized the NBA players Twitter information and game performances by the ggplot2 package in R.

R Package Development: Adaptive Rejection Sampling

Dec. 2015

- Developed an R package, including documentation and testing, for implementing the Adaptive Rejection Sampling.

Big Data Analytics for Semiconductor Manufacturing, held by TSMC

Oct. 2014

Taiwan Semiconductor Manufacturing Company (TSMC) is the largest semiconductor company in the world.

- Analyze the wafer process record and figure out what factors influence the yield rate the most.
- Cooperated with graduate students to build a model by R and SPSS, mainly responsible for data preprocessing by using R.

R Project (Data Set: MovieLens 100k)

May 2014

- Applied statistics methods to build a model for predicting movie rating on the MovieLens data set which has 100,000 records.

Skills

Computer Skills: R, Python, Git, SQL, SAS, SPSS, Shiny, MS Word, PowerPoint, Excel

Languages: Mandarin Chinese (native), English (fluent)