

TAEHEE JUNG

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EDUCATION

University of California, Berkeley

Aug 2016 - May 2017 (*expected*)

- *Master of Arts: Statistics* | GPA: 3.76/4.0
- *Coursework: Machine Learning, Linear Models, Advanced Probability, Statistics, and Statistical Computing*

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea

Feb 2007 - Feb 2011

- *Bachelor of Arts: Management Science* | GPA: 3.71/4.3 | *Academic Excellence Scholarship (2007 - 2011)*

EXPERIENCE

UC Berkeley, Berkeley, USA

- **Data Mining with Recurrent Neural Network**, class project of Machine Learning Project Jan 2017 - **Present**
- **S&P 500 Stock Portfolio with Sentiment Analysis**, class of Capstone Project Jan 2017 - **Present**
 - Analyzed sentiment on Twitter for stock market prediction and developed autoregressive predictive models
 - Constructed a stock portfolio using Markowitz objective function with l_1 penalty
- **Creating R package for MFA**, class project of Statistical Computing Nov - Dec 2016
 - Developed R package for Multiple Factor Analysis providing functions to perform mfa, bootstrap, and plot the results and visualized the sample results on Shiny app

Korea Credit Bureau (KCB), Seoul, Korea

Dec 2010 - May 2016

Manager

- **Big, Public Data Analysis**, funded by Ministry of Government Administration and Jeonju City Sep - Dec 2015
 - Analyzed and visualized boarding histories, local floating population, petition documents, and home to office O/D information
 - Constructed new strategies for bus rearrangement and adopted by Jeonju city on Feb, 2017
- **Fraud Detection System Development**, funded by Woori Bank Dec 2014 - Aug 2015
 - Segmented customers' transaction histories and developed predictive ensemble models on regression, neural network, and decision tree
 - Compared with previous FDS, overall detection rate increases more than 20%

Associate Manager

- **Migrant Analysis for Magok New Town**, funded by LG Economic Research Institute Jun - Sep 2014
 - Developed demographic database of migrants and classified them using decision tree for potential cultural demand to the new town
- **Location based Decision Support System**, funded by Korea Credit Bureau & R114 May - Aug 2012
 - Developed an integrated database (e.g., location, real estate, residential's demographic and financial data) called *K-atlas*

Staff

- **Data Convergence & Statistical Analysis**, funded by Seoul City Dec 2010 - Feb 2011

LG Electronics, Seoul, Korea

Jun - Jul 2010

Oversea Marketing Intern

- Surveyed and developed strategies for new market of Home Appliance department

Electronic & Telecommunication Research Institute (ETRI), Daejeon, Korea

Dec 2008 - Feb 2009

Research Assistant

- Surveyed market research for ubiquitous health devices and predicted future demand using Bass model

SKILLS

Programming language: R, SAS, SQL, Unix/Linux, Tableau, QGIS

Language: English (Fluent), Korean (Native), Spanish (Beginner)