TAEHEE JUNG

Statistics Master student @UCB and former data analyst @KCB for 5+ years.

5424 Fifth Ave #106, Pittsburgh, PA | taehee_jung@berkeley.edu | http://theejung.github.io | 412-403-8832

I am looking for a full-time/internship position in data analytic/scientist. Especially, I am interested in analyzing financial/industrial data and applying recent deep/machine learning to them.

EDUCATION

University of California, Berkeley   *Aug 2016 - May 2017*
- *Master of Arts: Statistics | GPA: 3.7 / 4.0*
- *Coursework: Machine Learning, Linear Models, Advanced Probability, Statistics, and Statistical Computing*

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea   *2007 - 2011*
- *Bachelor of Arts: Management Science | GPA: 3.7 / 4.3 | Academic Excellence Scholarship (2007 - 2011)*

Daeil Foreign Language High School, Seoul, Korea   *2003 - 2006*

EXPERIENCE

University of California, Berkeley, CA, USA

- ***Empirical Examination on Generative Adversarial Models,*** Machine Learning class [report] *Feb-May 2017*
  - Studied vanilla Generative Adversarial Networks (GAN), deep convolutional GAN, Wassertein GAN, and Cycle GAN, and compare different GANs on generation, interpolation, projection, arithmetic operations, translation, and completion tasks.
  - Received full credit among ML projects, and extended the empirical study to Kinship verification research

- ***S&P 500 Stock Portfolio with Sentiment Analysis,*** Capstone Project [report] [ppt]   *Jan - May 2017*
  - Analyzed sentiment of tweets predicting volatility 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 [demo]   *Nov - Dec 2016*
  - Developed R package for Multiple Factor Analysis to perform mfa, bootstrap, and plot the results and visualized the results on Shiny app

Korea Credit Bureau (KCB), Seoul, Korea

Manager
- ***Big, Public Data Analysis,*** funded by Ministry of Government Administration & 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
  - Practically chosen to Jeonju city's bus rearrangement plan [article] [report] (written in Korean)

- ***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% [article] (written in Korean)

Associate Manager / Staff
- ***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*

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

LG Electronics, Seoul, Korea

Oversea Marketing Intern   *Jun - Jul 2010*
- Surveyed and developed strategies for new market of Home Appliance department

Electronic Telecommunication Research Institute (ETRI), Daejeon, Korea

Research Assistant   *Dec 2008 - Feb 2009*
- Surveyed market research for ubiquitous health devices and predicted future demand using Bass model

---

PUBLICATION

- ***Kinship Verification with Facial Feature Heredity using Attentive Pix2Pix***

  Taehee Jung, Dongyeop Kang

  Preprint, in preparation for AAAI 2018

- ***CSpikes: Detecting Causality between Time Series and Textual Data***

  Dongyeop Kang, Ang Lu, Zheng Chen, **Taehee Jung**, Yongjoon Kim, Eduard Hovy

  Preprint, in preparation for AAAI 2018

SKILLS

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

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