Myung Won Lee

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Qualifications

Bachelor of Science (Honours) in Mathematics & Statistics —   **Sep 2016 – Present**
Dept of Mathematics, University of Edinburgh, Edinburgh, United Kingdom

- Fully completed 3rd Year and were away for Study Abroad as a representative of the University of Edinburgh
- 1st year Average – 71.8% (1st Honours) | 2nd Year Average – 70.2% (1st Honours)
- Took Mathematics, Statistics and informatics courses such as Data Analysis, Algorithms & Learning and Object-Oriented Programming throughout the 2 years of education.

Bachelor of Science in Statistics — *Dept of Statistics, Seoul National University, Seoul, Republic of Korea*   **Sep 2018 – Jun 2019**

- Studied aboard as an exchange student and completed 3rd Year.
- Took courses specifically and heavily focused on Mathematical Statistics and Datamining such as Time Series Analysis, Regression Analysis, Statistical Computing, Computational Statistics, Introduction to Data Mining and Understanding of Big Data

Yishun Junior College, — *Singapore, Singapore*   **Jan 2014 – Dec 2015**

- Singapore – Cambridge A' Levels (ABB|A) Studied Mathematics| Physics | Chemistry | Economics

Experience

Co-founder & Consultant — *Data*Assembly, Edinburgh   **Apr 2018 – Present**

- Co-Founder of a student-led data consultancy **Data**Assembly
- Aimed to provide pro-bono data analytics to the small business & third sector industries through students' engagement in the real-world project using **R**, **R** packages and **Python**
- Strived to plug the skill-gap by creating an opportunity and well-structured curriculum for students to become more data-literate by working on real projects and with clients for each project
- Gained invitation and attended as a representative of **Data**Assembly to Data Fest Event organised by Scottish Government
- Became a strong team player through quickly acknowledging, fulfilling and identifying the needs of clients. Developed engagement skills by approaching clients from door to door and teaching students from non-statistical backgrounds

Summer Research Internship — *Seoul National University Data Mining Centre, Seoul*   **Jun 2019 – Aug 2019**

- Involved and initiated two major projects known as FVID : ETF & FVID : Glassdoor as a research intern.
- Integrated large-scale web-crawling of finance and job review webpages such as *morningstar.com, finance.naver.com, comp.fnguide.com, glassdoor.com* & *jobplanet.com* using **Python** packages such as Selenium, Requests, RE and Pandas. Additionally, acquired in depth understanding of regular expressions and **HTML** and **XML** document sources from projects
- Performed field leading Data-mining techniques as word2vec, doc2vec to identify the correlation between company's performance and company's average and section reviews. Presented data visualisation through Tidyverse package and nominated as a weekly presenter and presented for the project FVID : Glassdoor
- Analysed the lack of information provided for the Exchange-Traded Fund (ETF) from Korea Exchange (KRX). Gathered and recalculated the missing financial values needed for 435 ETFs in KRX. Involved in building database scheme to store 12TB worth of data using **mySQL** and **Django**

Projects

Pattern Analysis of New York Airplanes, Analyst — *Seoul National University*   **Sep 2018 – Dec 2018**

- Analysed 120 million records consisting of flight arrival and departure details for all commercial flights within the USA, from October 1987 to April 2008 in total, taking up 12 gigabytes of space using **R**, **R** packages, Rmarkdown and **SQL**
- Provided graphical summary of when is the best time of day/day of week/time of year to fly to minimise delays with linear regression, logistic regression, ridge regression, lasso regression, linear discriminant analysis, quadratic discriminant analysis, decision trees, random forest, boosting and neural networks

Big Data Project, Researcher — *Buchanan Institute, University of Edinburgh*   **Feb 2018 – Apr 2018**

- Involved in the Big Data Project assisting the third sector organisations to enhance their ability to process data sets
- We focused on the data/software donations from companies and government for the small-medium sized charity to fulfil their data needs and assist their analysing skills
- Initiated conversations and engaged with Barclays, Oxfam, Skyscanner, and the Scottish Government for the project
- This project further developed into the establishment of **Data**Assembly mentioned above

Core Skills

Computer Programming Languages —

- R / Rmarkdown (Strong Experience)
- Python (Strong Experience)
- SQL (Strong Experience)

Languages — **Korean** | **English**

Microsoft Office Specialist–Master —   **Jun 2016**

- Word Expert |Excel Expert |PowerPoint Core |Access Core

Computer Specialist in Spreadsheet & Database Level-1 —   **Apr 2019**

- Microsoft Excel | Microsoft Access

Public Speaking — Pitching | Presentations

Sports — Keen player of squash