

Junkyu Park

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<https://joon3216.github.io/>

Education

H.B.Sc.: statistics specialist and math minor (GPA: 3.83)
University of Toronto

Jun 2019

Experience

Methodologist (MA-01)
Statistics Canada

Jan 2020 - May 2020
5 months

- methodologist_line1
- methodologist_line2

Assistant Squad Leader (Sergeant)
The 15th Infantry Division, Republic of Korea Army

Oct 2014 - Jul 2016
1 year 9 months

- deployed the second time to the General Outpost from Jun 2016 until discharged
- assumed the position of Assistant Squad Leader as of Dec 2015 until discharged
- deployed to the 38th Regiment's General Outpost from Sep 2015 to Feb 2016

Skills

Data analysis

- Data manipulation
 - pandas, patsy
 - dplyr, tidyr
 - SQL queries
- Data visualization
 - matplotlib.pyplot, seaborn
 - ggplot2
- Regression analysis
 - statsmodels.api
- Statistical computations
 - numpy, scipy

Languages

- English
- Korean

Technical

- Markdown/R Markdown
 - able to integrate dynamic badges supported by Travis CI and Codecov.io
- Some knowledge of HTML and CSS
 - currently maintaining joon3216.github.io
- PostgreSQL
 - able to use keywords such as `unnest`, `array`, and `information_schema`
 - able to join tables and write subqueries
- Python
 - currently maintaining [statspark](#) and [sudsoln](#) packages
- R
 - currently maintaining [funpark](#) package

Projects

Modeling: credit card fraud detection

- built statistical models and provided [analysis](#) of data to detect fraudulent credit card use
- expected to achieve an accuracy of 97.105% and a true positive rate of 87.204% for every 6-hour worth of transaction data with the current model and the training set