

Junkyu Park

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

Skills

- Data analysis
 - data manipulation: `dplyr`, `tidyr`, `pandas`
 - data visualization: `ggplot2`, `matplotlib.pyplot`, `seaborn`
 - regression analysis: R functions and packages, `statsmodels.api`
 - statistical computations: manually written functions, `numpy`, `scipy`
 - comprehension: able to find references and read documentations of external packages
- Technical
 - Markdown/R Markdown: able to form documentations
 - Git and git repositories: git commands, GitLab, GitHub
 - Some knowledge of HTML and CSS: currently maintaining joon3216.github.io
 - SQL: able to write complex queries and subqueries
 - Python and R
 - * able to utilize external packages for modeling, computations, and visualizations
 - * able to develop a simple package and upload to archives and git repositories
- Language: English, Korean

Projects

Package development (work): `estime2` package in Python

- built a prototype of the program that will replace the current system used by Centre for Demography that fixes negative end-of-period populations in various regional-level population tables
- incorporated various methods to fix a negative end-of-period population and evaluation metrics for each of those methods

Experience

Statistics Canada

4 yrs 2 mos
Ottawa, ON

Methodologist (MA-03)

Mar 2022 - Present · 1 yr 11 mos

Methodologist (MA-02)

Oct 2021 - Mar 2022 · 5 mos

- wrote documentations on various topics and ideas in statistics and computations
- conducted analysis and modeling requested by clients and/or senior methodologists
- developed, and maintaining, packages written in R and Python

Methodologist (MA-01)

Jan 2020 - Oct 2021 · 1 yr 9 mos

Education

H.B.Sc.: statistics specialist and math minor
University of Toronto

2019