Jong Wook. Choe
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Experience

Summer Institute Fellow / California Policy Lab Jun. 2022 ~ Aug. 2022

- Cleaned a longitudinal, Continuum of Care level analytic dataset of Department of Housing and Urban Development dataset dating back to 2015 each of 100,00+ rows.
- Merged multiple data frames in R while minimizing data loss.
- Analyzed twenty years data with R to propose and answer the policy-relevant research questions on California Homelessness project.

Public Data Intern / National Information Society Agency, NIA Jun. 2021 ~ Jul. 2021

- Provided data maintenance support for the public data portal, 'www.data.go.kr'
- Constructed data analysis on 25,000+ rows of mask inventory data at drug stores crawled from open-source API and visualized data mapping with Python.
- Examined mask sales volume to classify potential inventory shortages by applying effective machine learning technique.

Marketing Intern / Daily Beer, Inc Jul. 2018 ~ Aug. 2018

- Created statistical report on new opening delivery business to provide insights on commercial analysis and market research.
- Organized and shaped social networking business campaign based on research.

Other / Volunteer

Central Supply Resource / Korean Armed Forces Hampyeong Hospital Dec. 2018 ~ Jul. 2020

- Administered medical inventory and develop dashboard using MS-Excel.

Education

Berkeley Data Analytics Boot Camp Oct. 2023

- Advanced understanding in Excel, Python and R programming, JavaScript charting, SQL database, Tableau, machine learning.

University of California Davis, USA Jun. 2022

- Bachelor of Science in Statistics; minor in Mathematics

Project

NASA Asteroid Classification, UC Davis

- Estimated high-risk asteroids for potential collision by other predictor variables.
- Used SMOTE algorithm to resolve an unbalanced dataset.
- Fitted a decision tree model that resulted from the relationship between the response variable and features.

MLB All-Star Game Prediction, UC Davis

- Scraped the data dynamically using Python libraries Selenium and BeatufulSoup.
- Visualized the player's biometrics by age, height, and weights using a violin plot.
- Used Logistic regression to train the model and get the highest probability of the players being involved in the next All-Star game.

Certificate

- **Google Analytic** individual Qualification
- Completed Coursera's **Google Data Analytics Specialization**, **Stanford Machine Learning**, and **SQL for Data Science** certificate programs.