Jaehoon Jung

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EDUCATION

Stony Brook University, Stony Brook, NY   *January 2019 – December 2022*
Bachelor of Science in Applied Mathematics and Statistics   **Major GPA**: 3.31/4.00
Relevant courses: Data analysis, Data mining, Operation research, Mathematical statistics, Database design

SKILLS

Programming Languages: Python, Machine Learning, R, SQL, Java, C++, SAS
Software and Integrated Development Environments (IDEs): Jupyter Notebook, GitHub, Visual Studio Code, Google Colab, RStudio, Eclipse, MS Access, SAS
Languages: English – proficient, Korean - native

PROJECTS

2022 Qatar World Cup Simulation: https://github.com/JayJung98/2022WorldCupWinner
- Predicted 2022 World Cup rankings by using machine learning.
- Collected and edited data for this simulation.
- Experienced what factors affect the outcome of the game through feature engineering.
- Evaluated the performances of various models and selected the best performance model.
- Visualized the result of simulation through Graphviz.

Roan and Repayment: https://jayjung98.github.io/project/Repayment/
- Computed what factors have a significant impact on whether the loan is repaid or not.
- Used Shap Value to find out which features have impact on the result.
- Visualized the result and provided the interpretation of the resulting values.

Mobile Data Classification: https://jayjung98.github.io/project/performance/
- Computed cross-validation-score of each data model.
- Compared and evaluated the performance of each of the following models: logistic regression, decision tree classifier, random forest classifier, Ada boosting, and Gradient boosting decision tree.

Soccer Player Analyzing: https://jayjung98.github.io/project/FIFA-DATA/
- Experienced how to edit and organize data
- Interpreted players to scout from European league players and remove from team squad.
- Computed and visualized specific personal skills using computer software.

EXPERIENCES

Army at Republic of Korea, TOD, Sergeant Honorable discharged   Goseong, Kangwon-do
- Executed a mission to monitor and analyze the enemies.   *January 2020 – August 2021*
- Experienced Significant leadership experience managing 14 soldiers; responsibilities included managing soldier's onboarding/education, leadership development.

Kaggle, Data Engineer   *November 2022 - Current*
- Experienced various models and performances of machine learning (Python/Sklearn).
- Experienced feature engineering, model selection, and visualization for various datasets.

ACTIVITIES

English Peer Tutoring for International Students, Bridge Tutor   San Angelo, TX
- Provided fun student-led, language-learning environment.   *August 2017 – December 2018*

Korea Student Association, Member of Welfare   San Angelo, TX
- Provided opportunities to learn Korean culture and language.   *August 2017 – December 2018*
- Hold K-Pop concert for San Angelo people.

Korean Life Media, Data Collector   Stony Brook, NY
- Executed collect and design data for the monthly radio broadcast.   *August 2019 – December 2019*