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# TAEHYUNG KIM

**EDUCATION**

**NORTHWESTERN UNIVERSITY**, EVANSTON, IL

- Bachelor of Arts, Major in Statistics, June 2021
- Major GPA: 3.7/4.0 | Academic Dean's List: Fall 19, Winter 20, Fall 20
- Relevant Coursework: Data Science, Data Visualization, Statistical Theories and Methods

**TECHNICAL SKILLS**

**Python (Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn), SQL (PostgreSQL), Excel,
R (experience in coursework)**

**DATA ANALYSIS
PROJECTS
(SELF-INITIATED)**

**WHAT IS THE FATE OF MARVEL HEROES?**

- Implemented statistical learning classification methods on Marvel character data to accurately predict whether heroes survive using their eye/hair colors, number of appearances, identities, and alignment
- **Tools**: Python, Logistic Regression, KNN Classifier, Random Forest Classifier, Linear Discriminant Analysis, Train/Test Data, k-fold Cross-Validation, Accuracy Score, Label Encoding, One-Hot Encoding

**HOW MANY GOALS WILL BE SCORED?**

- Utilized statistical learning regression methods to correctly predict the total number of goals scored per game in the Premier League and EFL Championship with soccer results/betting odds dataset
- **Tools**: Python, Multiple Linear Regression, Lasso and Ridge Regression, KNN Regressor, Random Forest Regressor, Train/Test Data, k- fold Cross-Validation, Mean Squared Error, R-squared values

**HOW ARE MAIN PLAYER ATTRIBUTES RELATED IN FIFA?**

- Analyzed how major player attributes in the video game FIFA 20 are related to the player overall ability statistic based on their positions using player dataset
- **Tools**: Python, Multiple Linear Regression, Train/Test Data, R-squared Values

**RELEVANT WORK
EXPERIENCE**

**BUSINESS OPERATIONS INTERN**

**Packed with Purpose**, Chicago, IL, June 2020 – August 2020

- Collaborated with Business Operations Specialist to maintain the company database consisting of 500 gift products across 20 categories
- Analyzed monthly product sales data by gift size and reported results directly to CEO
- Communicated with 100+ socially aware purveyors to research product information
- Created 50+ professional presentation slides directly shown to clients
- Integrated company revenue from Quick Base and HubSpot CRM software and updated client lead status

**OTHER ACTIVITIES**

Northwestern University Sports Analytics Group, Koreans At Northwestern University, English Teacher Volunteer at Seoul Dream Center, DMZ Border Guard at Republic of Korea Army