YOON KIM

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EDUCATION

Purdue University – West Lafayette, IN   **Dec 2024 (Expected)**
Bachelor of Science in Applied Statistics
- Applications in Data Science Certification
- ASA DataFest 2024 (Python, Tableau) – Won Best Visualization

Foothill College – Los Altos Hills, CA   **Dec 2022**

SKILLS AND INVOLVEMENT

- **Programming/Packages:** SQL (MySQL), Python (Pandas, Numpy, Scipy, Statsmodel, Seaborn, Matplotlib), R (ggplot2, dplyr), Java, HTML/CSS, Minitab
- **Business Intelligence Tools:** Tableau, Excel (macro, VBA, pivot table), Google Analytics
- **Statistical Techniques:** Linear Regression, Significance testing, Time series forecasting, AB testing
- **Involvement**: American Statistical Association (member), Equal Educational Opportunities (founder)

EXPERIENCE

Purdue University Online   **Sep 2023 – Present**
Statistics Content Creator
- Analyze markup programming language (Perl, HTML) to create randomized statistics problems and verify accuracy
- Communicate effectively with a strong background in quantitative disciplines such as programming and statistics

The Data Mine – Purdue University   **Aug 2023 – May 2024**
Undergraduate Data Science Researcher
- Researched to bring insight with data science skills to identify key factors affecting seed quality and germination by collaborating with Beck's Hybrids Inc.
- Trained to leverage SQL to query and extract from historical production databases and visualize lab-based germination test results utilizing Python

Laon People Inc. – South Korea   **May 2023 – Jul 2023**
R&D Team Data Analyst Intern
- Analyzed image data and uncovered insight into identifying and classifying abnormal data into NAVI AI, deep learning vision software for industrial vision inspection including various data analysis and management functions
- Outperformed advanced data visualization- Image Balance, Aspect Ratio, and Color Distribution of training dataset for NAVI software program, using Python (OpenCV, NumPy, Pandas, Matplotlib, Seaborn, Plotly)
- Associated with a research team to provide verifying outlier analysis and response operating statistical analysis

PROJECTS

Personal Portfolio Website
- Https://yoonkim18.github.io/webportfolio

Statistical Analysis: Google Play Store Data set | R, Kaggle   **May 2023**
- Designed statistical analysis (Hypothesis testing, ANOVA test) to understand Google Play store users' preferences using R (ggplot2)
- Functioned as a team lead communication setting with strong problem-solving skills

Exploratory Data Analysis | Python, Tableau, Kaggle   **Mar 2023**
- Conducted Exploratory Data Analysis on each dataset and identified correlations with relevant indicators (e.g., factors affected by the Titanic disaster, merchandise preference, students' choice in college)
- Developed visualizations to highlight process of asking, discovering, and looking for underlying trends and patterns in each dataset