

Yuta Hayashi

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OBJECTIVE

Data analyst with 2 years of experience in R, Python, and SQL. Seeking an employment as a data analyst where I can use my developed analytic skills to produce meaningful insights from a variety of data inputs by combining various data sources into a cogent and well researched summary

EXPERIENCE

Lawrence University

Appleton, WI

Machine Learning Research

January 2019 - June 2019

- Implemented K-means and hierarchical clustering using FIFA 2019 players data with **R** and **Python**
- Utilized Python packages such as **Pandas** and **scikit-learn** to execute clustering on data with 5000 rows
- Created a regression model and leveraged k-fold cross validation to predict players' compensation
- Identified players who were not aligned with their pay using root mean square logarithmic error of 0.1207

Litalico

Tokyo, Japan

Data Analyst Intern

November 2018 - December 2018

- Initiated research to cleanse complex customer feedback data to built predictive models with **R** to establish new user acquisition strategy
- Managed a user history data by extracting, cleaning, and merging from different tables using **SQL**
- Managed KPI such as customer retention and improved number of former paying customers by 6.4%
- Presented data summary report to executive board meeting in visually coherent and non-technical way that was used to achieve 11% sales growth with no negative cost impact.

Cheerio

Tokyo, Japan

Data Analyst Intern

June 2017 - August 2017

- Performed interpretational marketing data models by identifying business trends and issues using **Excel**
- Accomplished 5% sales increase in Tokyo within 2 months by providing income and expenditure forecasts with predictive models by interpreting POS data using **R**
- Created a presentation of the data analysis to executive board with actionable insights and visualization which was credited with generating a 5% sales increase in Tokyo within 2 months with not increase in costs.

Housmart

Tokyo, Japan

Web Consultant Intern

June 2016 - August 2016

- Supported core metrics and KPI and achieved 20,000 website viewers increase by utilizing A/B test
- Maintained user data quality and integrated data using **SQL**

PROJECT

GitHub: <https://github.com/YutaUtah>

- Utilized machine learning techniques and ranked top **32%** in Kaggle Sales Price Prediction Competition using **R**
- Created predictive linear regression models on Human Freedom Index data set using **Python** and **R**

SKILLS

- **Tools:** R (3 years), Python (2 year), SQL (1 year), Excel (V-lookup, Pivot Table), Mathematica (2 years), \LaTeX , teradata
- **Software (Packages):** dplyr, ggplot2, Rshiny, caret, Pandas, NumPy, SciPy, scikit-learn, matplotlib
- **Skills:** Hypothesis testing, Regression analysis, Data mining, Statistical modeling, Data visualization, Machine learning, Cross validation, Optimization, Clustering, Classification, K-means
- **Courseworks:** Scientific Programming, Quantitative Analysis, Linear Algebra, Optimization, Statistical Modeling
- **Co-Curricular Activities:** Men's Varsity Soccer Team, Student Government (Board Member), Sigma Phi Epsilon (VP Finance)
- **Work Authorization:** I am authorized to work in the United states without sponsorship until July 2022

EDUCATION

Lawrence University

Appleton, WI

Bachelor of Arts, Major: Mathematics; Minor: Physics and Anthropology

June 2019

GPA: 3.71 / 4.0 | Dean's Honor List | Lambda Sigma Honor Society