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Tetsuya Chau

Education

Bachelor of Science, *Brigham Young University (BYU)* | Provo, UT | April 2022 - Major: Applied Statistics & Analytics

Skills

- Experience with using data programming languages such as R, Python, SQL, SAS, and C++
- Experience with using spreadsheet software such as MS Excel and Google Sheets
- Read, write, and speak Japanese fluently

Work Experience

Data Analyst Intern, *Taiyo Pacific Partners LP* | Kirkland, WA | June 2021 - August 2021
- Learned data analytics skills on Python using pandas, NumPy, and scikit-learn
- Applied data analytics skills to create charts, graphs, and other data visualizations using seaborn
- Created visualizations for stock price data that was used to provide investors with specific investment insights

Translator, *JCPayne LLC* | Provo, UT | Feb 2019 - Apr 2019
- Developed translation and localization skills in Japanese
- Translated and localized board games so they could be played in other countries of the world

Academic Projects

LCD Projector Lamp Failure Data Analysis Project
- Used Bayesian inference to calculate the mean and the median of the lamp failure time to estimate how long the lamps will last given the data and prior knowledge
- Used the library, R2jags, in R to obtain samples from the posterior distribution and the posterior predictive distribution to calculate the prediction interval for the next observation of the lamp failure time data

Tachycardia Data Analysis Project
- Used a longitudinal multivariate linear regression model in R to find which explanatory variables had a significant effect on Tachycardia
- Tested and compared different correlation structure models using Akaike Information Criterion (AIC)
- Conducted a hypothesis test for diabetes being a potential risk factor for Tachycardia by calculating the p-value and the 95% confidence interval to check for significance

MySQL Connector Project
- Used a connect() constructor in Python to access the MySQL database
- Used the pandas library in Python to conduct an exploratory data analysis of the student's test scores
- Created charts, graphs, and other data visuals by using the matplotlib and the seaborn libraries in Python

Volunteer Experience

Missionary, *The Church of Jesus Christ of Latter-day Saints* | Honolulu, HI | Dec 2016 - Dec 2018
- Developed and exercised excellent communication skills on a day-to-day basis
- Developed leadership skills by helping and training new missionaries
- Regularly created a strict schedule and followed it without any supervision