

Shih-Tien Wang

214.241.9526; shihtienwang@gmail.com

<https://www.linkedin.com/in/shih-tien-wang> | <https://ericstar20.github.io/>

Graduate student pursuing a master's degree in Business Analytics with focus in Data Analysis, Machine Learning, Data Warehousing, ETL, and Data Visualization. Over four years' experience in data analysis and complete 6+ academic projects and one case competition. Proficiency in R, Python, SQL and Tableau and a blend of teamwork, communication, and interpersonal skills.

EDUCATION

M.S., Business Analytics

December 2020

The University of Texas at Dallas

GPA 3.758

Scholarship: 2019-2020 Greater Taiwanese Chamber of Commerce Scholarship

B.S., Computer Science and Information Management

June 2014

Soochow University (SCU), Taipei, Taiwan

CERTIFICATIONS & TECHNICAL SKILLS

Certifications: Elementary Enterprise Resource Planning Planner, Google Analytics Individual Qualification
Languages: Python (numpy, pandas, matplotlib, scikit-learn, SciPy), R (ggplot2, dplyr), PySpark
SAS (logistic, regression, survival analysis)
Databases: SQL, Oracle, PostgreSQL, NoSQL
Visualization Tools: MS Excel (Vlookup, PivotTable), Tableau, PowerBI, Google Analytics
Analysis Concepts: Regression, Classification, Clustering, ANOVA, Hypothesis Testing, PCA, LDA, Gradient Boosting

BUSINESS EXPERIENCE

Kenda Rubber Industrial Co. LTD, Changhua, Taiwan

August 2015 - September 2017

ERP (Enterprise Resource Planning) Programmer & System Coordinator

- Converted the old Delphi system for motorcycle tires specification maintenance to modern TIPTOP platform which saved \$1,000 for the company
- Remodeled the machine equipment maintenance program in the TIPTOP system which deducted 40% of the maintenance time
- Integrated the group's financial statements decreasing 30% of original data processing time for the accounting department
- Administered the Kenda Group's accounting information system team by managing working schedules enhancing 15% of users' satisfaction

ACADEMIC PROJECTS

KPMG Virtual Experience Program Participant, Tableau & Python & MS Excel

June 2020 - June 2020

- Analyzed the existing customer and transaction datasets to reveal customer insight for the client by data visualization
- Assessed the dataset which had over 3000 customer information to ensure the dataset was aligned with KPMG standard data quality framework
- Identified customer trends and behavior by Python seaborn (heat map, swarm plot, box plot, and histograms)
- Generated Tableau Dashboard with interactive views, filters, and maps which made the data exploration easier

Intelligence Analytics Challenge 5.0, The University of Texas at Dallas (Tableau, Python)

March 2020 - March 2020

- Scrubbed and explored the dataset which has 30% missing values via Python (sklearn Imputer and seaborn)
- Exploited sklearn k-means cluster to split the dataset into four clusters by the under 5 mortality rate
- Applied Ridge, Lasso, Polynomial Regression, ElasticNet Regression, SVM (kernel) and Gradient Boosting Regressor to the dataset and the best models is Lasso Regression which R score is 0.74
- Generated the Tableau Story to assemble interactive dashboards and the regression reports, allowing users to understand the output effortlessly

Pricing Cars For Sale on Craigslist, The University of Texas at Dallas (SAS, SQL)

June 2019 - July 2019

- Established the car pricing forecast the model via SAS (PROC GLMSELECT stepwise), the R-square of the model achieved 66% accuracy
- Refined the dataset by SAS (PROC SQL, PROC UNIVARIATE, PROC FREQ), dealt with missing or invalid data
- Collaborated on a team of 5 to clean the dataset in order to maximize the predicted accuracy

LEADERSHIP EXPERIENCE

Taiwanese Student Association, The University of Texas at Dallas

March 2019 - March 2020

Event Coordinator