

Shih-Tien Wang

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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

Visualization Tools: MS Excel (Vlookup, PivotTable), Tableau, PowerBI, Google Analytics

Analysis Concepts: Regression, Classification, Clustering, ANOVA, Hypothesis Testing, PCA, Gradient Boosting

BUSINESS EXPERIENCE

Kenda Rubber Industrial Co. LTD, Changhua, Taiwan

August 2015 - September 2017

ERP (Enterprise Resource Planning) Programmer & System Coordinator

- Refined SQL query and normalized database tables for motorcycle tires specification maintenance system which increased 15% of searching speed
- 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

Intelligence Analytics Challenge 5.0, 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

The US Gun Violence Visualization, Tableau

November 2019 - November 2019

- Utilized Python (pandas) to extract essential columns from the US gun violence between 2013 to 2018 and handled missing value
- Created advanced chart types (symbol maps, horizontal bars, and lines) and visualizations to manipulate the data
- Generated Tableau Dashboard with interactive views, filters, and maps which made the data exploration easier

LEADERSHIP EXPERIENCE

Taiwanese Student Association, The University of Texas at Dallas

March 2019 - Present

Event Coordinator

- Co-organized a welcome party exclusive for 80 Taiwanese students with The University of Texas at Dallas
- Planned and organized a panel discussion event for over 100 participants