Shih-Tien (Eric) 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:	AWS Certified Solutions Architect – Associate, Google Analytics Individual Qualification, Elementary Enterprise Resource Planning Planner
Languages:	Python (numpy, pandas, matplotlib, scikit-learn, SciPy), R (ggplot2, dplyr), PySpark, SAS (logistic, regression, survival analysis)
Databases:	MySQL, 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
Data Analyst & ERP (Enterprise Resource Planning) Programmer
- Extracted data from MySQL and Oracle databases using ETL process to create a data collection system that decreasing 30% of original data processing time
- Perform data cleaning and exploratory data analysis tasks to summarize the KPIs of the data sets using MySQL and MS Excel to ensure intelligible data visualizations
- 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

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 effortless

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