HUANG, KUAN

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EDUCATION

Robert H. Smith School of Business, University of Maryland, College Park, MD Dec 2022
Master of Science in Business Analytics, GPA 3.75
- GPA: 3.75, GMAT: 720
- Graduate Assistant: Part-time Assistant in Information Systems Department
- Course: Data Mining and Predictive Analytics, Big Data and Artificial Intelligence for Business

College of Economics and Management, Northwest A & F University, Yangling, Shaanxi July 2018
Bachelor of Management

SKILLS

- Programming: SQL, Python (NumPy | SciPy | Pandas | Scikit Learn | Keras | PyTorch | Tensorflow | Seaborn), R
- Analytical tools: Tableau, MS Excel (Pivot Tables, VLOOKUP), Power BI, Web Analytics, Google Analytics
- Key Competencies: Data visualization, Machine learning (Neural Networks, Clustering, Decision Tree), Data Mining, Statistics, Problem-Solving, Team player

PROFESSIONAL EXPERIENCE

Mercer, Shanghai Mar 2021 – Jul 2021
Consulting Intern, Auto Group
- Conducted market research and significant data cleansing and designed SQL queries for specific market data.
- Collaborated to review, analyze, and improve strategies and solutions for clients.
- Developed human resource analysis and reporting based on market research and Mercer database.

Meizhi Technology, Shanghai Oct 2020 - Jan 2021
Data Analyst Intern
- Performed information extraction of useful insights from large structured and unstructured data sets.
- Initiated SQL queries to increase the efficiency of data entry and manipulation by 33% in terms of labor hours.
- Utilized SQL, Excel, and Tableau to analyze data and draw conclusions to provide insights to clients.
- Analyzed reports for errors and crafted database solutions to reduce the chances of errors by 28%.

China Construction Bank, Ganzhou, Jiangxi Sep 2018 – Oct 2019
Assistant Manager
- Processed credit business, reviewed loan applications, arranged over 5,600 credit record files from 10 years.
- Maintained solid client relationships with potential and current customers.
- Provided customer services and financial products to increased customers' annual returns. (4.05% result average)

PROJECT EXPERIENCE

Machine Learning with Python | Python Scikit Learn, PyTorch, Tensorflow, Seaborn (GitHub)
- Classified Fashion MNIST images and MNIST digits images using PyTorch and improve accuracy by adding layers, changing the batch size, the epochs and/or the validation split (accuracy 98.05%)
- Used multiple linear regression from Scikit-learn to fit a model to predict sales price using Boston Housing price regression dataset, and visualized data with Seaborn.

Database Management System for Apartment Searching | SQL Server, Tableau, Python
- Applied Python packages-requests and json to scrape data of over 5,000 customers and 12 apartments near campus and Built ER diagrams and established a DBMS using SQL Server to achieve data analysis performing.
- Designed SQL queries to extract data in SQL Server and created two dashboards for completed storyline using Tableau for apartment searching, leading to an at least 50%-time reduction for customers apartment searching.

Semi-finished Dishes Products Market Research for Market Entering| MySQL, Excel
- Collected and cleansed over 120,000 records market data of fast-food products market of three continents to predict trends of market and consumer insights.
- Studied products of each category and investigated online marketing methods of six selected competitive companies to provide ways to enter target market, leading to cost reduced by 22%.

Business Analytics Consulting for Alumni Association for Higher Attendance | Python, Excel
- Analyzed data over seven years to construct insights by identifying variables that correlated with attendance and events attracted the target groups to forecast attendees and prospects at events.
- Developed data model, using NumPy and Pandas for data manipulation, Scikit Learn for predictive modeling, and refined model by modifying variables choice to a result of 4.5% R-squared improved.