https://github.com/jiaoalmond

jinyuecon@gmail.com

Your Website

EDUCATION

MA in Economics, Concordia University, Montreal, Quebec
Recipient of Balvir and Ranjna Singh Memorial Scholarship
2012-2014

CERTIFICATION

Computers and Information Technology Certificate, McGill University
2021-2022

Data Science and Machine Learning Professional Development Certificate, McGill University, Montreal, Quebec
2018-2021

JAYJAY JIAO

ABOUT ME

Analysis-oriented professional with key strengths in modelling and data analysis to conclude and make recommendations with specialized software like Python, SQL, Power BI, and Tableau. Independently handle multiple tasks or complete specific tasks as a team within designated time frames. Excellent ability to grasp new concepts.

SKILLS

- Extensive knowledge of database schema and complex **SQL** queries to implement business logic, perform data conditioning, and conduct backend data verification for consistency and integrity
- Worked on development of **PROC SQL**, built and optimized functions and stored procedures on **SAS**
- Solid experience in **Python** packages like Matplotlib, Seaborn, Pandas, NumPy, and Scikit-learn to develop predictive models and visualized them on BI platforms
- Working knowledge in BI Tools of **Tableau**, **Power BI** (DAX Query) and **SSRS** to analyze and obtain insights into large datasets, create visually powerful and actionable interactive reports and dashboards
- Keen knowledge in using the decision tree, KNN, K-means, GMM, neural network, logistic regression, multiple and rime series regression, survival analysis and association rules for directed and undirected predictive analysis

PROJECTS

Predict Fire Risk in Montreal - Data Science Project   **(GITHub link)**
Design an end-to-end analysis pipeline to predict the high fire risk areas in Montreal
- Managed to build a predicted categorical response model based on the public data from city's databank
- Discovered, acquired, and prepared the data using Alteryx and Python
- Compared the following models, Logistic Regression, Decision Tree Classifier, Random Forest, and Gradient Boosting Classifier in Python to identify a suitable model
- Demonstrated and visualized the results and reports with Tableau

West Municipal Library - Database Management System Project   **(GITHub link)**
- Design and built a relational Library database model from scratch on MS SQL Server according to the business rules
- Created relations and cardinalities, keys, and entities. Applied data integrity to tables with constraints
- Implemented advanced Join, Views and created functions, procedures, and triggers to fulfill daily Library functions like reserving books, checking in and checking out books, enrolling members
- Generated usage reports according to the request

EXPERIENCE

June 2019–Jan. 2021
Data Analyst • Rogers Communications Inc.