jdquote1.csv

#jdquote1.csv

The original jdquote file attached with the column of Base/Implement and combined CustomerName.

Stock-joint-table.csv   ## joint_stock_name.csv

#Stock-joint-table.csv

#Joint_stock_name.csv

The first dataset is the inner join table on stock number of jdquote1 and sales table, the second one is the table with deletion of unmatched records of both customer name columns by filtering out fuzzy wuzzy score less than 80%, and with two columns of customer name replaced by same name.

sales_ljoint_innerstk.csv

#sales_ljoint_innerstk.csv

Original sales tables left joins with "Stock-joint-table.csv" above on stockID.

sales_ljoint_posmargin.csv

#sales_ljoint_posmargin.csv

Keep records of positive average gross margins from "sales_ljoint_innerstk.csv".

catratio.csv

catratio.csv

A data frame containing frequencies of equipment types in jdquote1 and "sales_ljoint_innerstk.csv", and their ratio as generation rates.

stateratio.csv

A data frame containing frequencies of states in jdquote1 and "sales_ljoint_innerstk.csv", and their ratio as generation rates.
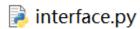
finalized_model.sav

finalized_model.sav

The saved XGBoost Timeline Analytics model which could be harnessed in the Streamlit interface.

streamlitdata.csv

streamlitdata.csv
We saved the Stock-joint-table and extracted the relevant columns with the timeline analytics model as the streamlitdata csv file. This file aims to provide data visualization in the Streamlit Interface.

interface.py

interface.py
The code for visualizing the interface through the Streamlit Interface. The interface could be executed through running the code of 'streamlit run interface.py' in the Python Command Prompt.

sales_with_category.csv

#sales_with_category.csv
This dataset is the left outer join table which connects the table 'Sales' with the table 'stock_joint_table'. The data volume of the new table should be consistent with the original 'Sales' table, 55377 entries.

jdquote5.csv

jdquote5.csv
This dataset is a cleaned vision of jdquote1, with all valuable variables remained, unvaluable variables removed and all null value that showed in the final model deleted. The Creationdate was also converted to format "Year-Month".