

INTERNAL FILES

transactions

Parquet

products

Parquet

stores

Parquet

zipcodes

CSV

usa_holidays

CSV

EXTERNAL FILES FOR DATA ENRICHMENT

Stored Model

Pickle

ETL FOR PREDICTION

transactions

Polars DataFrame

products

Polars DataFrame

stores

Polars DataFrame



transformed

Polars DataFrame

processed_production

Parquet

MODEL PREDICTION

Preprocess

Pandas DataFrame

df_prod

Pandas DataFrame

Load Model

XGBoost Model

Forecast Iteratively

Model in For Loop

Save and Submit

Parquet to Hackathon Platform