Finance & Machine learning Datasets Links:;

<https://fayrix.com/blog/machine-learning-in-finance>

Use case oriented

Interested areas ::

Portfolio management ,

No data Set foundx

Fraudulent detection

<https://www.kaggle.com/gpreda/synthetic-financial-datasets-data-exploration>

Credit Score ::

<https://github.com/JLZml/Credit-Scoring-Data-Sets>

Home Credit Default Risk dataset

<https://www.kaggle.com/c/home-credit-default-risk/data>

<https://www.kaggle.com/ekrembayar/homecredit-default-risk-step-by-step-1st-notebook>

https://www.kaggle.com/ekrembayar/homecredit-default-risk-step-by-step-2nd-notebook

* application\_{train|test}.csv
  + This is the main table, broken into two files for Train (with TARGET) and Test (without TARGET).
  + Static data for all applications. One row represents one loan in our data sample.
* bureau.csv
  + All client's previous credits provided by other financial institutions that were reported to Credit Bureau (for clients who have a loan in our sample).
  + For every loan in our sample, there are as many rows as number of credits the client had in Credit Bureau before the application date.
* bureau\_balance.csv
  + Monthly balances of previous credits in Credit Bureau.
  + This table has one row for each month of history of every previous credit reported to Credit Bureau – i.e the table has (#loans in sample \* # of relative previous credits \* # of months where we have some history observable for the previous credits) rows.
* POS\_CASH\_balance.csv
  + Monthly balance snapshots of previous POS (point of sales) and cash loans that the applicant had with Home Credit.
  + This table has one row for each month of history of every previous credit in Home Credit (consumer credit and cash loans) related to loans in our sample – i.e. the table has (#loans in sample \* # of relative previous credits \* # of months in which we have some history observable for the previous credits) rows.
* credit\_card\_balance.csv
  + Monthly balance snapshots of previous credit cards that the applicant has with Home Credit.
  + This table has one row for each month of history of every previous credit in Home Credit (consumer credit and cash loans) related to loans in our sample – i.e. the table has (#loans in sample \* # of relative previous credit cards \* # of months where we have some history observable for the previous credit card) rows.
* previous\_application.csv
  + All previous applications for Home Credit loans of clients who have loans in our sample.
  + There is one row for each previous application related to loans in our data sample.
* installments\_payments.csv
  + Repayment history for the previously disbursed credits in Home Credit related to the loans in our sample.
  + There is a) one row for every payment that was made plus b) one row each for missed payment.
  + One row is equivalent to one payment of one installment OR one installment corresponding to one payment of one previous Home Credit credit related to loans in our sample.
* HomeCredit\_columns\_description.csv
  + This file contains descriptions for the columns in the various data files.