Prediction Instructions

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Install Required Packages

The GitHub repo includes a requirements.txt file with the following libraries:

- numpy==1.20.1
- pandas==1.2.3
- scikit-learn==0.24.1
- statsmodels==0.12.2
- xgboost==1.3.3
- lightgbm==3.1.1
- joblib==1.0.1

1. Either manually install the packages or use pip / conda to install the requirements.txt
2. Load project files
   a) Either decompress saved files into a newly created project directory, or
   b) Clone the github repository
      i. https://github.com/sysgenerated/CreditScoring
3. Place required files in the same folder
   a) predictions.py
   b) saved_model.joblib
   c) input_data.csv
4. From the CLI enter "python prediction.py input_file.csv"
5. Review output
   a) RMSE and Percent Accuracy will be output to the console
   b) predictions will be saved to saved_scores.csv

Hardware Specs

OS: Linux Manjaro
CPU: Core i7-6700
RAM: 8GB
SSD: Samsung M.2

Estimated Memory / Runtime

Maximum memory usage: 1.2GB
Running time: 2.0 seconds