Instructions for running the Model

Prerequisite : Docker Desktop installed in the PC running this model.

Training Machine details : x64 Based, Intel i5 CPU 2.4Ghz, 8GB RAM

Estimated Running time for 100,000 records : 1-2 minutes. Docker execution may introduce some delay due to model load.

1. **How to get the files for running the Model?**
   Download "sriram-docker" directory from https://github.com/get2sriram/Regression_Test to a working directory

2. **How to run the next set of commands?**
   Open a Windows command prompt. ***Run all the below docker commands in the command prompt***

3. **Build the docker image. Change the highlighted file path to the downloaded docker directory**
   docker build -t image-sriram C:\Users\Sriram\WalletHub\sriram-docker

4. **Create a contain from the image**
   docker create --name container-sriram image-sriram

5. **Copy the hold-out dataset from local to the docker location. Change the file path highlighted below to the file path of the hold-out dataset**
   docker cp C:\Users\Sriram\WalletHub\test_file.csv container-sriram:/code/test.csv

6. **Start and execute the docker container. This will display the RMSE, Accuracy and other regression metrics. It also creates a dataset "predictions.csv" with the predictions**
   docker start -i container-sriram

7. **Copy the predictions dataset from docker location to local location. Change the local file path highlighted below to the filepath to copy the predictions**
   docker cp container-sriram:/code/predictions.csv C:\Users\Sriram\WalletHub\

8. **Remove the container to free up space**
   docker container rm container-sriram

9. **Remove the image to free up space**
   docker image rm image-sriram