

Data Scientist Homework Assignment

Read all steps before beginning the homework project. The main objective of this assignment is not to just to get the highest accuracy/score, but to be able to explain the process behind each decision you make when building and productionizing a machine learning model.

1. In the data folder you will find two files, use `lucid_dataset_train.csv` to build a simple model classification model. Pickle your model file.
2. In the `old_model` folder, you will find a Dockerfile that creates a Docker container which allows a user to send a file to a URL, it runs that file through the model, and then returns the result.
 - a. Update the version of python to a new version.
 - b. Edit the files in the `old_model` folder to allow the Docker container to pass data to your new model.
 - c. The old model only allowed for a single data point to be passed to the model, update this to allow for the processing of batch data.
3. Write a short report detailing the updates you made to the old model code to get your new model working with it.