USER INSTRUCTION DOCUMENT

User Instruction:

Welcome to the AI\_Assessment Net Worth Prediction AI. This AI has been created to predict The Net Worth of a person using AI. The modules that are presented in this User instruction document are Data Load, Preprocessing Data, Train Models and Model Performance Plotting.

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Data Load:

The Data Load is the most important part of the code. This is the part that imports the file for the AI to read. For you as the user to be able to use this website, make sure that your data path is correct. For you to know that the data path is correct scroll to the area where the Data Load is and check that the file name is the same, if it is not then change the data path to the correct.

A computer screen shot of a computer screen

Description automatically generated

Here is an example of the Data Load and the data path.

Preprocessing Data:

The Preprocessing data is almost as important as the Data Load as this is the part where the AI gets rid of any unwanted columns in the Data such as name, email, country, etc… the preprocessing data helps the AI to understand what columns are needed and what are not. All that is needed is to check that the data is dropping the correct data as this is vital in the process of calculating the Net Worth.

A black background with text

Description automatically generated

Here is an example of the preprocessing data dropping unwanted columns in the data to make sure the data is clean.

Train Models:

Training the models is needed as this helps the model get as close as it can to the most accurate prediction that it can get. Training the models is useful as the prediction would be far off the real value if the models weren’t trained.

Model Performance Plotting:

The performance plotting is needed to show to the user what is the fastest model that is being used. This is needed so that the user can save the best model and retrain it so that the AI gets a more accurate prediction for the Users Net Worth.

A graph with different colored squares

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Here is an example of the plotting, the lower the number the faster the plot took.