Replication

In order to replicate the results shown in my report, first you must ensure that the workspace you are running the fairness tool script from contains a folder called 'dataset' which contains all of the datasets that were tested with the same names. These are the names:

- processed_adult.csv
- processed_communities_crime.csv
- processed_compas.csv
- processed_credit_with_numerical.csv
- processed_dutch.csv
- processed_german.csv
- processed_kdd.csv
- processed_law_school.csv

Then make sure there is another folder in the workspace called DNN which contains the corresponding models for each dataset named with the following naming convention model_(dataset name).h5 with one exception being the model for the credit dataset which should be called model_processed_credit.h5.

If you have all the correct models and datasets, then you should be able to run the program with the following command to run the exact same experiment that I used to collect the results for the report:

```
python Fairness_testing_tool.py
```

The program will create a folder in the workspace called results and store the results from the experiments within that file.

If you already have a results file with results contained, then you may want to make a copy to prevent overwriting of previous results.