

## AI assignment 2 readMe file

### Problem

Consider a scenario in which a business wants to identify which demographic is most likely to purchase a new model of automobile so that it may target those individuals with advertisements. In order to do this, they got in touch with a social network advertising business that had data from an earlier, similarly successful campaign. They now seek to create a model that aids in achieving their objective.

### Dataset

400 entries make up the dataset, each of which includes the userId, gender, age, estimatedsalary, and purchased history. Age and projected wage are the features that are analyzed to determine whether or not a user would purchase a new car (1=Yes, 0=No).

### Question

Using K-Nearest Neighbors model to predict if a person is going to buy a new car or not based on the available data

### Other information



Once code has run, it will display these graphs, to continue with the prediction process, close them and the terminal will require some inputs from you as shown below

```
Al grp work 2
0    257
1    143
dtype: int64
Accuracy of our model is equal 83.75 %.
Enter Age: 21
Enter Salary: 10000
...The customer will purchase a new car...

Process finished with exit code 0
```

Version Control Run Python Packages TODO Python Console Problems Terminal Services

27:1 CRLF UTF-8 4 spaces Python 3.9 (pythonProject)