**Readme File**

**Installations required**

Python 3.7.4

Pandas 0.25.1

scikit-learn 0.21.2

numpy 1.16.4

**Command line Arguments:**

**-EV**

1 – entropy

0 – variance

**-p\_type**

0 – no pruning

1 – reduced error pruning

2 – depth based pruning

**-train\_data**

“Path of train data”

**-test\_data**

“Path of test data”

**-valid\_data**

“Path of valid data”

**Example command:**

**python3 tree.py -EV 1 -p\_type 0 -train\_data “data/train\_c300\_d100.csv” -test\_data “data/test\_c300\_d100.csv” -valid\_data “data/valid\_c300\_d100.csv”**

The above command will run to create decision tree using entropy heuristic without pruning and run on c300\_d100 datasets.