

Instructions to Run Code

1.To train the program this is the command:

```
python3 Decision.py train train.txt hypothesis.out dt
```

Arguments:

Decision.py is where the code is in.

train is to train the classifier.

train.txt is the file containing examples.

hypothesis.out is the file where hypothesis is written to
dt/ada for classifier type

2.To predict this is the following command:

```
python3 Decision.py predict hypothesis.out test.txt
```

Arguments:

Decision.py is where the code is in.

predict is to predict the examples.

hypothesis.out is the trained classifier

test.txt is the file to predict

model.out is my best trained model which has given me high accuracy.