Readme :
This project was done in python 3.6 , in part on jupyter notebook and then imported on spider.
The packages that need to be installed are : -sklearn
-numpy
-matplotlib
-seaborn
-pandas

In order to compute the code, download the code file, 2 files are available :

- dataset1 containing : - dataset1.py (clean the dataset)
- decisiontree.py (decision tree classifier algorithm)
- boosting.py (boosting algorithm)
- KNN.py (KNN algorithm)
- SVM.py (SVM algorithm)
- neuralnet.py (ANN algorithm)
-diabetes.csv

- dataset2 containing : - dataset2.py (clean the dataset)
- decisiontreeclassifier2.py (decision tree classifier algorithm)
- boosting2.py (boosting algorithm)
- KNN2.py (KNN algorithm)
- SVM2.py (SVM algorithm)
- neuralnet2.py (ANN algorithm
- letter_recognition.csv

N.B : In the file dataset2, in each .py the part where a loop is done on 100 iterations can take very long, so it can be commented if there is a problem