

ReadMe file for ALDA Homework 3 fall 2018

There are the following programming assignments :

3b, 4, 6.

3b: Linear Regression

To execute it, please give the command :

```
$> python3 3b-linReg.py
```

There are 2 tasks here : 3b i) and 3b ii)

Since the code is taking too long , I commented part i.

In case it has to be run and verified, please uncomment the part I and run so that answers for 2 parts are printed.

4: Neural Net

To execute this, we should have Python3 installed in the system.

On Ubuntu, it's available once Ubuntu 64 bit is installed.

The file nn4.py has the code for question 4

Before executing , make sure these packages are already there: keras and tensorflow.

Else we can install using :

```
sudo apt install python3-pip
```

```
sudo pip3 install tensor-flow
```

```
sudo pip3 install keras
```

```
sudo pip3 install pandas
```

```
sudo pip3 intall numpy
```

I have mentioned in the report the execution environment.

To execute this, make sure the 6 data files are present in the same directory where code is there.

```
$ > python3 nn4.py
```

6 : SVM

The code for this question is in the file svm6.py

To execute, please give the command :

```
$> python3 svm6.py
```