sem7a@iselab1:~$ cd Des\*

sem7a@iselab1:~/Desktop$ ls

data1.csv K\_Means.java K\_Means.java~ test.csv

sem7a@iselab1:~/Desktop$ javac K\_Means.java

sem7a@iselab1:~/Desktop$ java K\_Means

2.0 5.0

8.0 4.0

5.0 8.0

7.0 5.0

6.0 4.0

1.0 2.0

4.0 9.0

3.0 9.0

Distance matrix:

0.0 5.0 4.47213595499958 0.0

6.082762530298219 1.4142135623730951 6.4031242374328485 1.0

4.242640687119285 3.605551275463989 1.4142135623730951 2.0

5.0 0.0 5.0 1.0

4.123105625617661 1.4142135623730951 5.385164807134504 1.0

3.1622776601683795 6.708203932499369 7.615773105863909 1.0

4.47213595499958 5.0 0.0 2.0

4.123105625617661 5.656854249492381 1.0 2.0

Counts are 1 4 3

Updated Centroids are:

2.0 and 5.0

5.5 and 3.75

4.0 and 8.666666666666666

Distance matrix:

0.0 3.7165171868296265 4.176654695380555 0.0

6.082762530298219 2.5124689052802225 6.146362971528591 1.0

4.242640687119285 4.2793106921559225 1.201850425154663 2.0

5.0 1.9525624189766635 4.737556801183965 1.0

4.123105625617661 0.5590169943749475 5.0771820705759385 1.0

3.1622776601683795 4.828301978956992 7.310570733153769 1.0

4.47213595499958 5.460082416960389 0.3333333333333339 2.0

4.123105625617661 5.814851674806504 1.05409255338946 2.0

Counts are 1 4 3

Updated Centroids are:

2.0 and 5.0

5.5 and 3.75

4.0 and 8.666666666666666

sem7a@iselab1:~/Desktop$ javac nb.java

sem7a@iselab1:~/Desktop$ java nb

23.0 s 0

13.0 m 1

24.0 l 1

45.0 l 1

35.0 m 0

23.0 s 0

45.0 m 1

20.0 s 1

23.0 s 0

13.0 m 1

24.0 l 1

45.0 l 1

35.0 m 0

23.0 s 0

45.0 m 1

mean for class 0 =27.0

varience for class 0 =6.4

mean for class 1 =30.444444444444443

varience for class 1 =22.819444444444443

Probability of attribute value = S and class 0 is 0.0

Probability of attribute value = S and class 1 is 0.0

Probability of attribute value = M and class 0 is 0.0

Probability of attribute value = M and class 1 is 0.0

Probability of attribute value = L and class 0 is 0.0

Probability of attribute value = L and class 1 is 0.0

enter new value for attr1:

15

enter new value for attr2:

m

Wrong entry

class 0 proabiltiy : 0.0

class 1 probabiltiy:0.0

new tuple belongs to class 0

sem7a@iselab1:~/Desktop$ javac nb.java

sem7a@iselab1:~/Desktop$ java nb

23.0 S 0

13.0 M 1

24.0 L 1

45.0 L 1

35.0 M 0

23.0 S 0

45.0 M 1

20.0 S 1

23.0 S 0

13.0 M 1

24.0 L 1

45.0 L 1

35.0 M 0

23.0 S 0

45.0 M 1

mean for class 0 =27.0

varience for class 0 =6.4

mean for class 1 =30.444444444444443

varience for class 1 =22.819444444444443

Probability of attribute value = S and class 0 is 0.6666666666666666

Probability of attribute value = S and class 1 is 0.1111111111111111

Probability of attribute value = M and class 0 is 0.3333333333333333

Probability of attribute value = M and class 1 is 0.4444444444444444

Probability of attribute value = L and class 0 is 0.0

Probability of attribute value = L and class 1 is 0.4444444444444444

enter new value for attr1:

15

enter new value for attr2:

M

class 0 proabiltiy : 6.839053718855692E-7

class 1 probabiltiy:9.118738291807589E-7

new tuple belongs to class 1

sem7a@iselab1:~/Desktop$

sem7a@iselab1:~/Desktop$ javac simpleLinearReg.java

sem7a@iselab1:~/Desktop$ java simpleLinearReg

41.0

sem7a@iselab1:~/Desktop$ javac confusionmatrix.java

sem7a@iselab1:~/Desktop$ java confusionmatrix

Enter confusion matrixr

50 10

5 100

Sensitivity :83.33333333333333%

Specificity :95.23809523809524%

recall :83.33333333333333%

Precision :90.9090909090909%

Weighted Accuracy :90.9090909090909%

sem7a@iselab1:~/Desktop$