Iris OUTPUT

alex@alex-Lenovo-G580:~$ gedit iris.py

alex@alex-Lenovo-G580:~$ python iris.py

(150, 5)

sepal-length sepal-width petal-length petal-width class

0 5.1 3.5 1.4 0.2 Iris-setosa

1 4.9 3.0 1.4 0.2 Iris-setosa

2 4.7 3.2 1.3 0.2 Iris-setosa

3 4.6 3.1 1.5 0.2 Iris-setosa

4 5.0 3.6 1.4 0.2 Iris-setosa

5 5.4 3.9 1.7 0.4 Iris-setosa

6 4.6 3.4 1.4 0.3 Iris-setosa

7 5.0 3.4 1.5 0.2 Iris-setosa

8 4.4 2.9 1.4 0.2 Iris-setosa

9 4.9 3.1 1.5 0.1 Iris-setosa

10 5.4 3.7 1.5 0.2 Iris-setosa

11 4.8 3.4 1.6 0.2 Iris-setosa

12 4.8 3.0 1.4 0.1 Iris-setosa

13 4.3 3.0 1.1 0.1 Iris-setosa

14 5.8 4.0 1.2 0.2 Iris-setosa

15 5.7 4.4 1.5 0.4 Iris-setosa

16 5.4 3.9 1.3 0.4 Iris-setosa

17 5.1 3.5 1.4 0.3 Iris-setosa

18 5.7 3.8 1.7 0.3 Iris-setosa

19 5.1 3.8 1.5 0.3 Iris-setosa

sepal-length sepal-width petal-length petal-width

count 150.000000 150.000000 150.000000 150.000000

mean 5.843333 3.054000 3.758667 1.198667

std 0.828066 0.433594 1.764420 0.763161

min 4.300000 2.000000 1.000000 0.100000

25% 5.100000 2.800000 1.600000 0.300000

50% 5.800000 3.000000 4.350000 1.300000

75% 6.400000 3.300000 5.100000 1.800000

max 7.900000 4.400000 6.900000 2.500000

class

Iris-setosa 50

Iris-versicolor 50

Iris-virginica 50

dtype: int64

LR: 0.966667 (0.040825)

LDA: 0.975000 (0.038188)

KNN: 0.983333 (0.033333)

CART: 0.975000 (0.038188)

NB: 0.975000 (0.053359)

SVM: 0.991667 (0.025000)