Assignment SVM

Patel Prit 301219548

Written response

exercise1

d. In you written response write a paragraph explaining your findings about each column.

A screenshot of a computer

Description automatically generated with medium confidence

Here we can see that this dataset has 10 columns where every columns has same numbers accept id one.

6.Using Pandas, Matplotlib, seaborn (you can use any or a mix) generate 3-5 plots and add them   
to your written response explaining what are the key insights and findings from the plots

A picture containing text, crossword puzzle

Description automatically generated

10. Print out two accuracy score one for the model on the training set i.e. X\_train, y\_train and the   
other on the testing set i.e. X\_test, y\_test. Record both results in your written response

Here accuracy of this training dataset is showed in figure.

11. Generate the accuracy matrix. Record the results in your written response.

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Accuracy matrix for given dataset.

Exercise2

14. Fit your training data to the gird search object. (This will take some time but you will see the   
results on the console)

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15. Print out the best parameters and note it in your written response

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17. Fit the test data the grid search object and note it in your written response

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18. Printout the accuracy score and note it in your written response.

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Accuracy of this model is 0.95