

# Instruction on compiling and running

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Instructions on compiling and running program NaiveBayesionClassifier.py:

IDE: Anaconda-Spyder with python 3.6

1. Open NaiveBayesionClassifier.py
2. Set to current directory (where the NaiveBayesionClassifier.py is).
3. Execute the program.

Result:

```
RemoveMissing_cat
Matrix : [[9298, 2062], [803, 2897]]
Accuracy : 0.809761
Percision : 0.920503
Recall : 0.818486
F1 : 0.866502
Matthew's correlation coefficient : 0.550956
ReplaceMissing_cat
Matrix : [[10207, 2228], [835, 3011]]
Accuracy : 0.811867
Percision : 0.924380
Recall : 0.820828
F1 : 0.869532
Matthew's correlation coefficient : 0.548927
RemoveMissing
Matrix : [[9350, 2010], [883, 2817]]
Accuracy : 0.807902
Percision : 0.913711
Recall : 0.823063
F1 : 0.866021
Matthew's correlation coefficient : 0.539102
ReplaceMissing
Matrix : [[10284, 2151], [924, 2922]]
Accuracy : 0.811130
Percision : 0.917559
Recall : 0.827021
F1 : 0.869940
Matthew's correlation coefficient : 0.538145
```