

Report About Dataset Training Testing And Result

With Stratification

Test Size=10% Train size 90%

After Train Data Train (862, 9) After Test Data Train (96)

Counter

positive 626 negative 332

using Gaussian Method

Accuracy Score : 75.0 %

Precision Score : 72.41379310344827 %

Recall Score : 100.0 %

F1 Score : 84.00000000000001 %

Using Multinomial Method Accuracy Score : 66.666 %

Using Bernoulli Method Accuracy Score : 65.625 %

classification_report

		precision	recall	f1-score	support
	0	1.00	0.21	0.35	42
	1	0.62	1.00	0.77	54
	accuracy			0.66	96
	macro avg	0.81	0.61	0.56	96
	weighted avg	0.79	0.66	0.59	96

Without Stratification

Test Size=10% Train size 90%

After Train Data Train (862, 9) After Test Data Train (96)

Counter

positive 626 negative 332

using Gaussian Method

Accuracy Score : 70.83333333333334 %

Precision Score : 68.23529411764706 %

Recall Score : 98.30508474576271 %

F1 Score : 80.55555555555557 %

Using Multinomial Method Accuracy Score : 58.333 %

Using Bernoulli Method Accuracy Score : 58.333 %

classification_report

.		.precision	recall	f1-score	support
	0	1.00	0.38	0.55	40
	1	0.69	1.00	0.82	56
	accuracy			0.74	96
	macro avg	0.85	0.69	0.68	96
	weighted avg	0.82	0.74	0.70	96

Check Some of Data For Testing

```
y_test[:10]
301    1
514    1
205    1
174    1
655    0
685    0
583    1
882    0
77     1
222    1
Name: New_Class, dtype: int64

classifier.predict(x_test[:15])
array([1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1])
```