

# Classification report

## Metrics by model wise

=== Random Forest ===

	precision	recall	f1-score	support
0	0.74	0.66	0.70	1106
1	0.75	0.82	0.78	1416
accuracy		0.75		2522
macro avg	0.75	0.74	0.74	2522
weighted avg	0.75	0.75	0.75	2522

=== Multinomial NB ===

	precision	recall	f1-score	support
0	0.61	0.52	0.56	1106
1	0.66	0.74	0.70	1416
accuracy		0.64		2522
macro avg	0.64	0.63	0.63	2522

weighted avg	0.64	0.64	0.64	2522
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=== Logistic Regression ===

	precision	recall	f1-score	support
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0	0.64	0.55	0.59	1106
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1	0.68	0.76	0.72	1416
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accuracy		0.67		2522
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macro avg	0.66	0.65	0.66	2522
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weighted avg	0.66	0.67	0.66	2522
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=== SVC ===

	precision	recall	f1-score	support
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0	0.63	0.57	0.60	1106
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1	0.69	0.74	0.72	1416
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accuracy		0.67		2522
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macro avg	0.66	0.66	0.66	2522
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weighted avg	0.66	0.67	0.66	2522
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=== XGBoost ===

	precision	recall	f1-score	support
0	0.73	0.68	0.70	1106
1	0.76	0.80	0.78	1416
accuracy		0.75		2522
macro avg	0.74	0.74	0.74	2522
weighted avg	0.75	0.75	0.75	2522

Comparison between the models accuracy and other metics

	accuracy	precision	recall	f1
Random Forest	0.747423	0.746635	0.747423	0.745380
XGBoost	0.747423	0.746427	0.747423	0.746323
Logistic Regression	0.667328	0.664667	0.667328	0.663288
SVC	0.667328	0.664878	0.667328	0.664696
Multinomial NB	0.643537	0.640050	0.643537	0.639058