

Logistic Regression with Discretization

precision	recall	f1-score	support	
No	0.88	0.72	0.79	1283
Yes	0.49	0.73	0.59	473
accuracy			0.73	1756

macro avg 0.69 0.73 0.69 1756 weighted avg 0.78 0.73 0.74 1756

ADABOOST MODEL with Discretization

precision	recall	f1-score	support	
No	0.82	0.81	0.81	1283
Yes	0.49	0.51	0.50	473
accuracy			0.73	1756

macro avg 0.65 0.66 0.66 1756 weighted avg 0.73 0.73 0.73 1756

SVM MODEL with Discretization

precision	recall	f1-score	support	
No	0.85	0.77	0.81	1283
Yes	0.50	0.63	0.56	473
accuracy			0.73	1756

macro avg 0.67 0.70 0.68 1756 weighted avg 0.76 0.73 0.74 1756

Logistic Regression

precision	recall	f1-score	support	
0	0.85	0.91	0.88	1141
1	0.68	0.55	0.61	404
accuracy			0.82	1545

macro avg 0.77 0.73 0.75 1545 weighted avg 0.81 0.82 0.81 1545

SVM MODEL

precision	recall	f1-score	support	
0	0.74	1.00	0.85	1141
1	0.00	0.00	0.00	404
accuracy			0.74	1545

macro avg 0.37 0.50 0.42 1545 weighted avg 0.55 0.74 0.63 1545

ADABOOST MODEL

precision	recall	f1-score	support	
0	0.92	0.73	0.81	1141
1	0.52	0.81	0.63	404

accuracy	0.75	1545
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macro avg 0.72 0.77 0.72 1545 weighted avg 0.81 0.75 0.77 1545

gender seniorcitizen partner dependents tenure phoneservice ... streamingmovies contract
paperlessbilling paymentmethod monthlycharges totalcharges 4938 1 0 1 1 17 1 ... 0 0 1 2 89.40 1539.45
5835 0 0 1 1 30 1 ... 1 2 0 3 19.30 602.90 358 1 1 1 0 27 0 ... 0 0 0 1 30.75 805.10 4561 0 0 1 1 8 1 ... 0 0 0 2 55.75
446.80 3708 1 0 0 0 11 1 ... 1 2 0 3 20.40 231.45
49.45 1031.40 564 1 0 0 0 7 1 ... 0 0 0 0 64.30 445.95 3794 1 0 1 0 8 1 ... 0 0 1 3 54.75 445.85 939 0 0 0 0 15 1 ...
1 0 0 3 19.90 320.45 1408 0 0 1 0 7 1 1 ... 2 1 1 1 104.10 7412.25

[1545 rows x 19 columns]