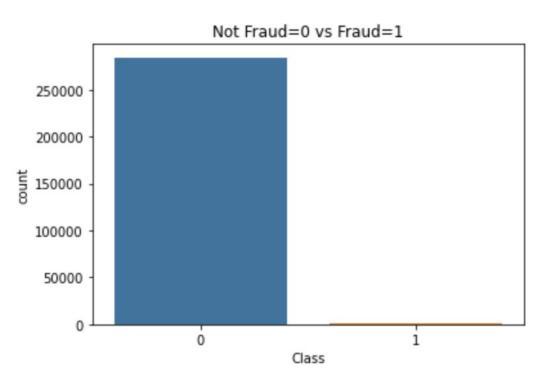
ML Project: Credit Card Fraud



Pre-processing

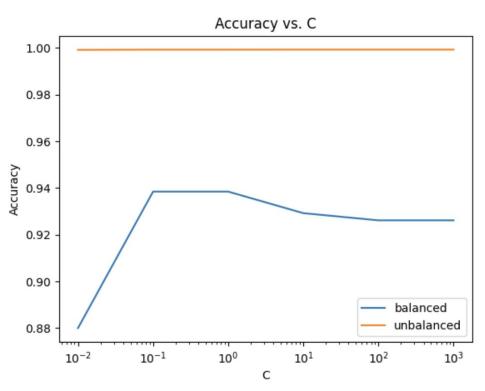


Pre-processing

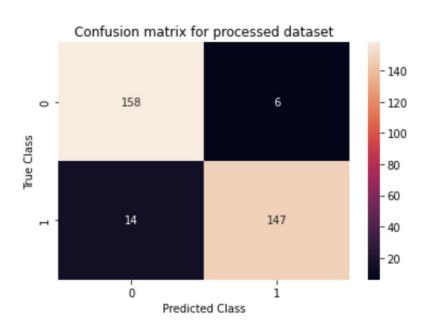
	scaled_amt	scaled_time	V1	V2	V3	V4	V 5	V6	V7	V8	 V20	V21	V22	V23	V24
0	1.783274	-0.994983	-1.359807	-0.072781	2.536347	1.378155	-0.338321	0.462388	0.239599	0.098698	 0.251412	-0.018307	0.277838	-0.110474	0.066928
1	-0.269825	-0.994983	1.191857	0.266151	0.166480	0.448154	0.060018	-0.082361	-0.078803	0.085102	 -0.069083	-0.225775	-0.638672	0.101288	-0.339846
2	4.983721	-0.994972	-1.358354	-1.340163	1.773209	0.379780	-0.503198	1.800499	0.791461	0.247676	 0.524980	0.247998	0.771679	0.909412	-0.689281
3	1.418291	-0.994972	-0.966272	-0.185226	1.792993	-0.863291	-0.010309	1.247203	0.237609	0.377436	 -0.208038	-0.108300	0.005274	-0.190321	-1.175575
4	0.670579	-0.994960	-1.158233	0.877737	1.548718	0.403034	-0.407193	0.095921	0.592941	-0.270533	 0.408542	-0.009431	0.798278	-0.137458	0.141267
284802	-0.296653	1.034951	-11.881118	10.071785	-9.834783	-2.066656	-5.364473	-2.606837	-4.918215	7.305334	 1.475829	0.213454	0.111864	1.014480	-0.509348
284803	0.038986	1.034963	-0.732789	-0.055080	2.035030	-0.738589	0.868229	1.058415	0.024330	0.294869	 0.059616	0.214205	0.924384	0.012463	-1.016226 -
284804	0.641096	1.034975	1.919565	-0.301254	-3.249640	-0.557828	2.630515	3.031260	-0.296827	0.708417	 0.001396	0.232045	0.578229	-0.037501	0.640134
284805	-0.167680	1.034975	-0.240440	0.530483	0.702510	0.689799	-0.377961	0.623708	-0.686180	0.679145	 0.127434	0.265245	0.800049	-0.163298	0.123205
284806	2.724796	1.035022	-0.533413	-0.189733	0.703337	-0.506271	-0.012546	-0.649617	1.577006	-0.414650	 0.382948	0.261057	0.643078	0.376777	0.008797 -

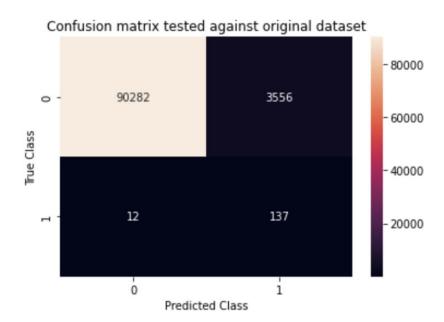
284807 rows × 31 columns

Logistic Regression

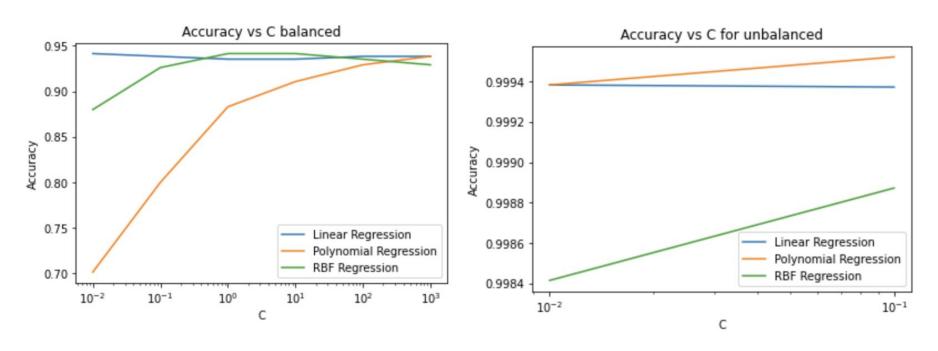


Logistic Regression

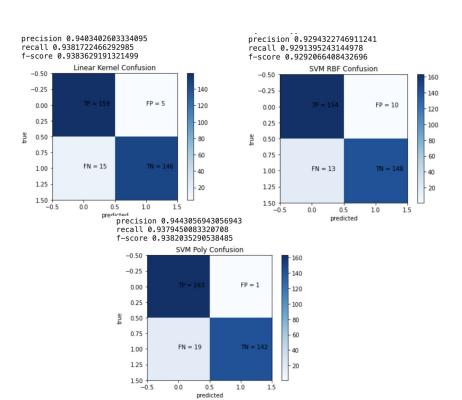


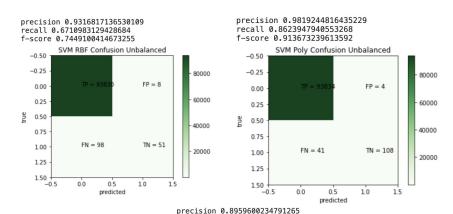


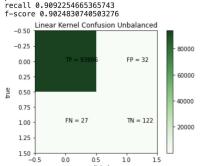
SVM



SVM







Kingston Yip

Neural Networks

Balanced

Average Accuracy

Activation Function ReLU 0.7101538419723511 Tanh 0.8846153914928436 Sigmoid 0.8815384566783905

Unbalanced

Activation Function	Average Accuracy
ReLU	0.9994573593139648
Tanh	0.9994893074035645
Sigmoid	0.9994467496871948

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