



Machine Learning Proyect

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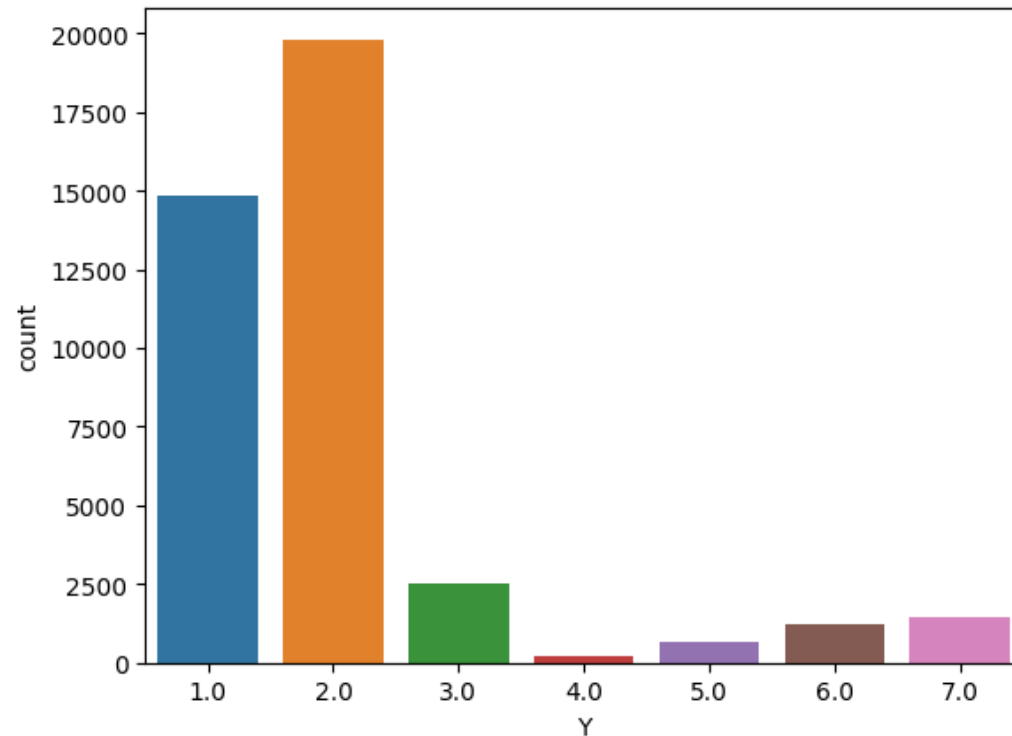
Lamliah Houssam

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Exploratory Data Analysis

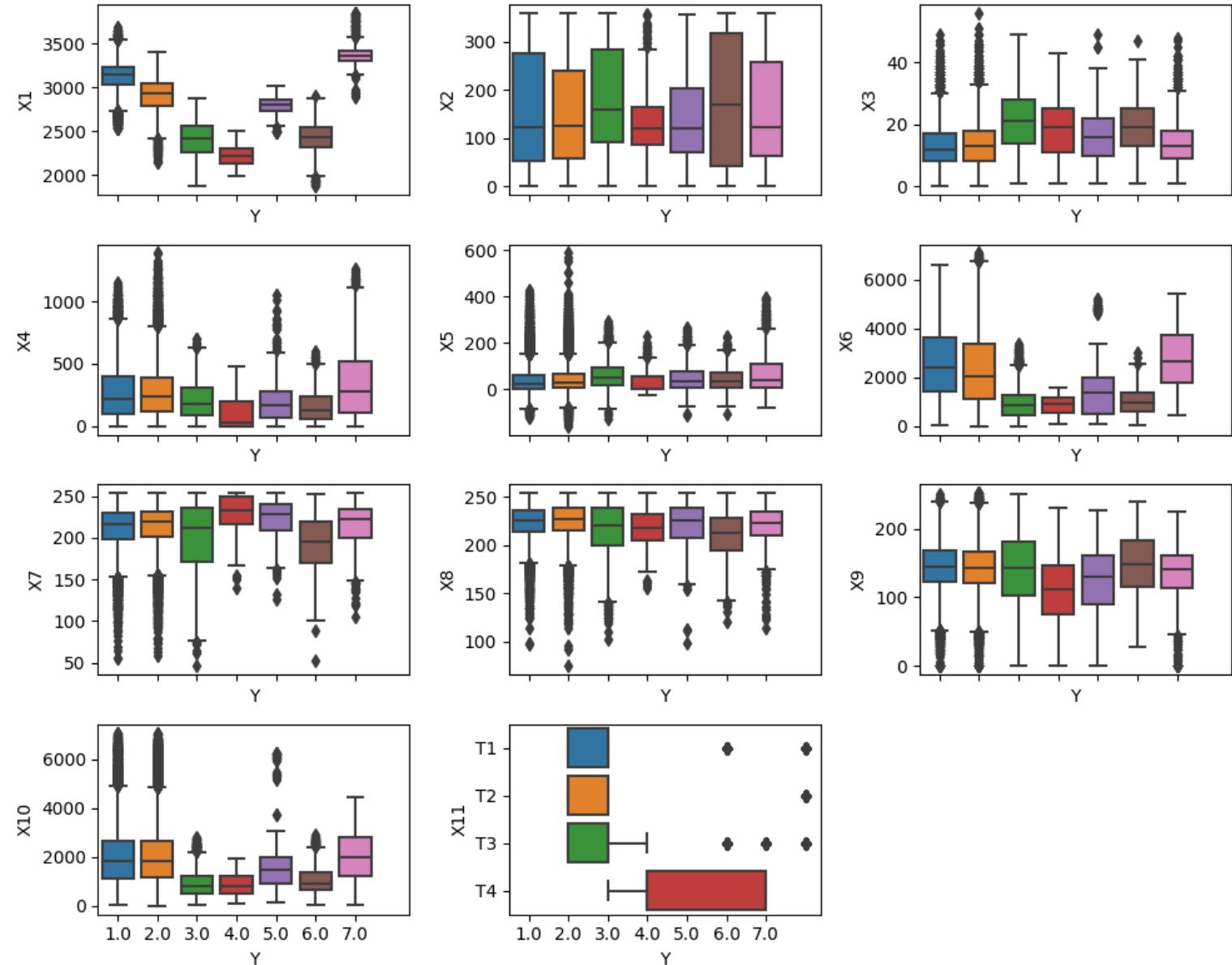
	X1	X2	X3	X4	X5	X6	X7	X8	X9	X10	X11	X12	Y
0	3215.0	206.0	8.0	127.0	14.0	5588.0	215.0	248.0	168.0	1057.0	T1	T29	1.0
1	3022.0	18.0	7.0	0.0	0.0	3012.0	215.0	226.0	148.0	1476.0	T1	T23	1.0
2	3008.0	18.0	19.0	382.0	92.0	4715.0	201.0	197.0	127.0	3616.0	T1	T29	1.0
3	2595.0	296.0	24.0	85.0	28.0	1252.0	144.0	224.0	216.0	780.0	T3	T33	6.0
4	3261.0	87.0	4.0	42.0	-2.0	3719.0	226.0	233.0	142.0	3784.0	T1	T38	7.0



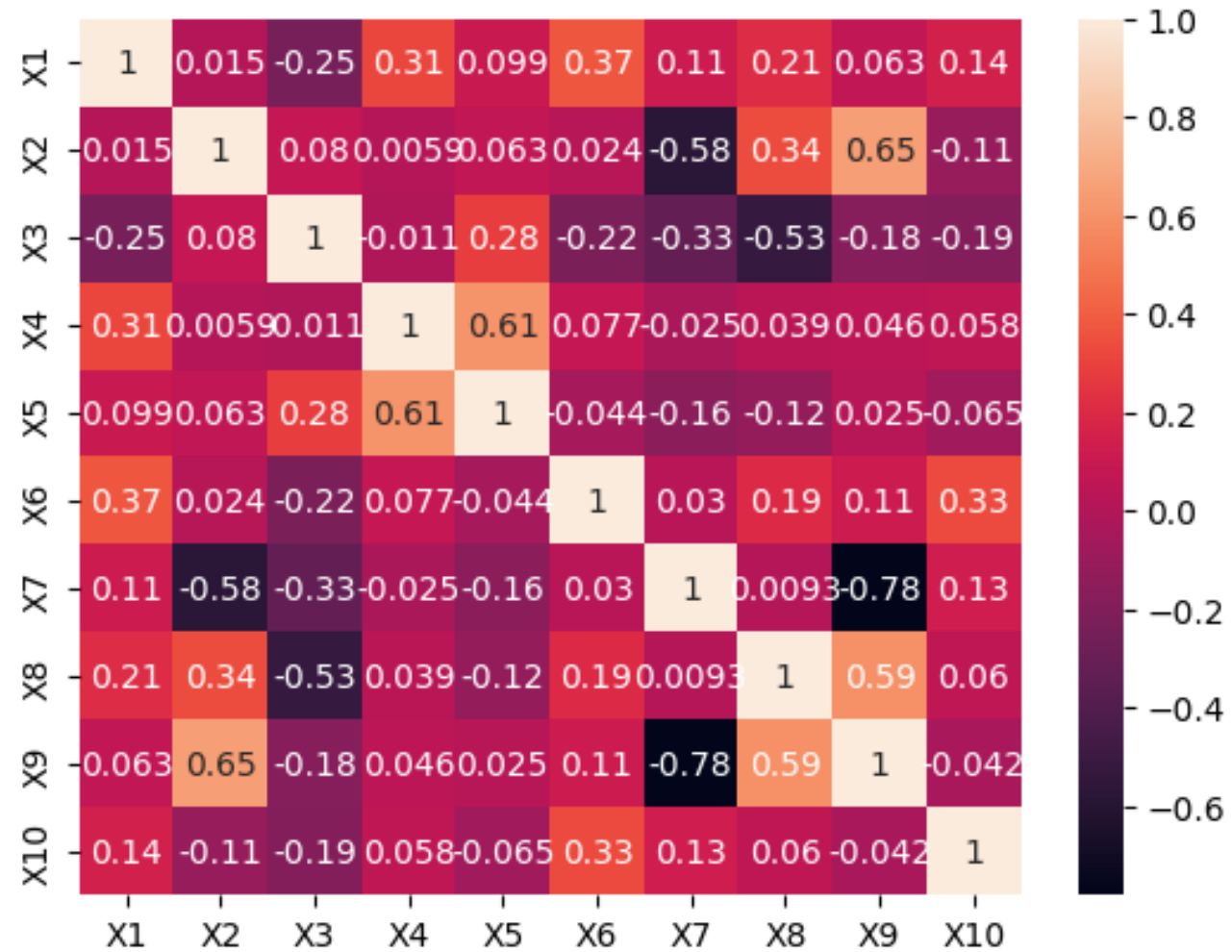
Exploratory Data Analysis

- Initial understanding of the dataset
- X_1 , X_3 , X_6 or X_{10} are going to be suitable for using for predicting the value of Y
- X_2 or X_9 are not adequate to predict the label

Exploratory Data Analysis

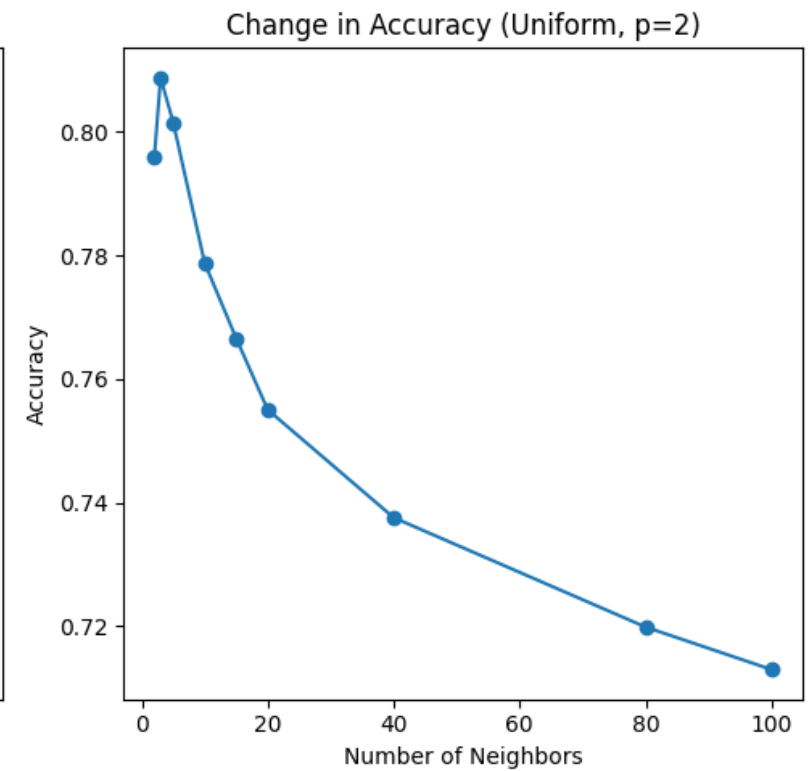
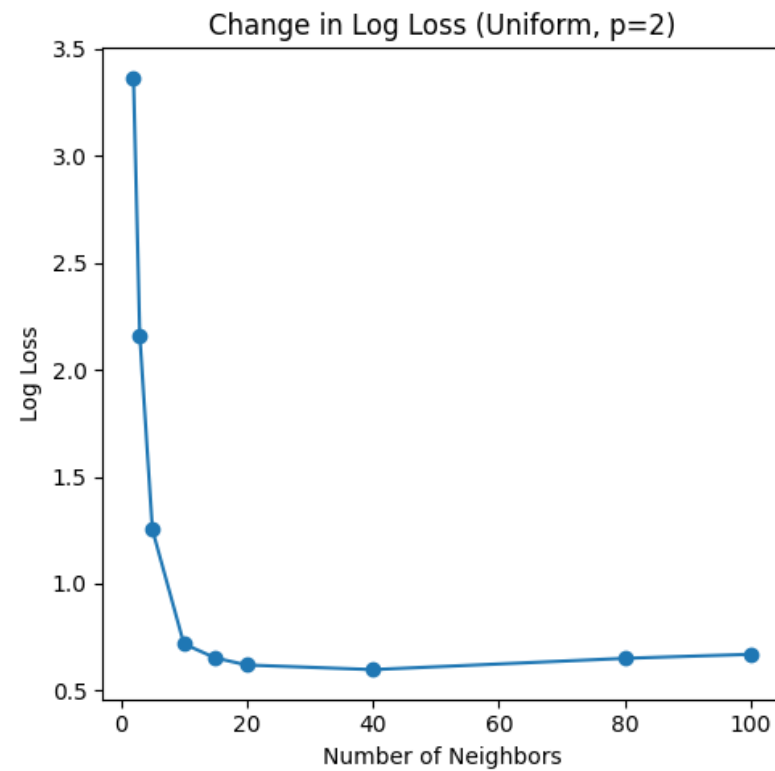


Exploratory Data Analysis



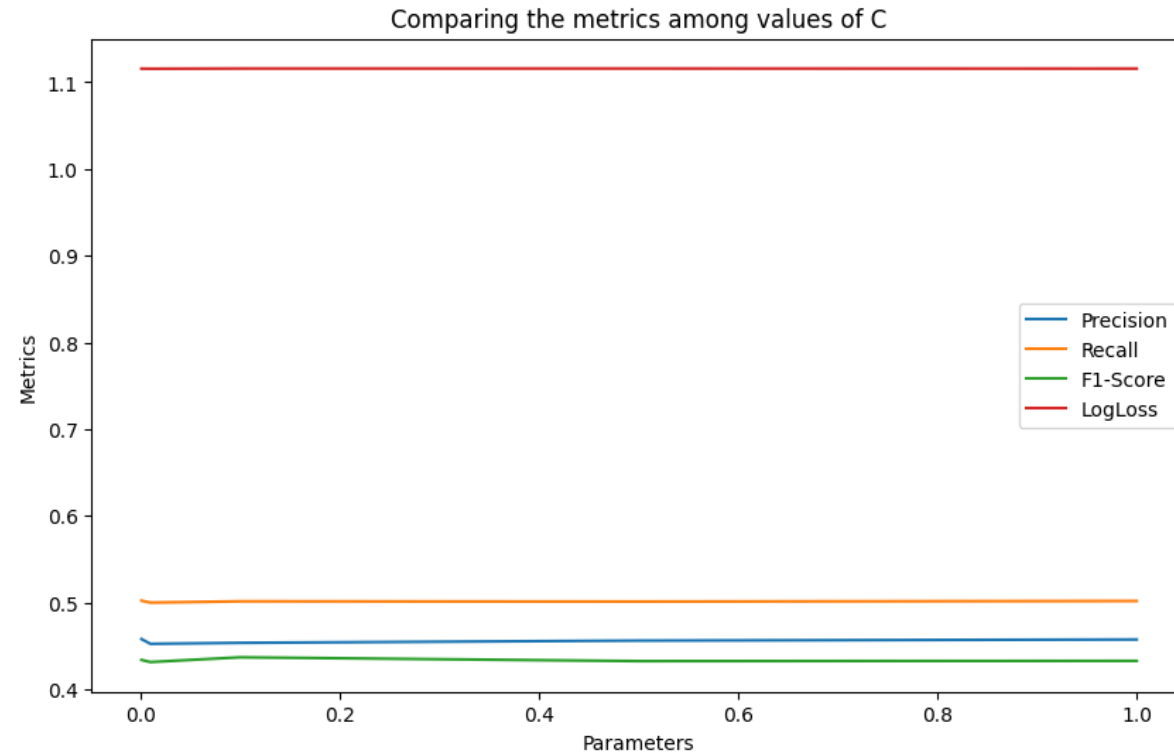
Methodology

KNN



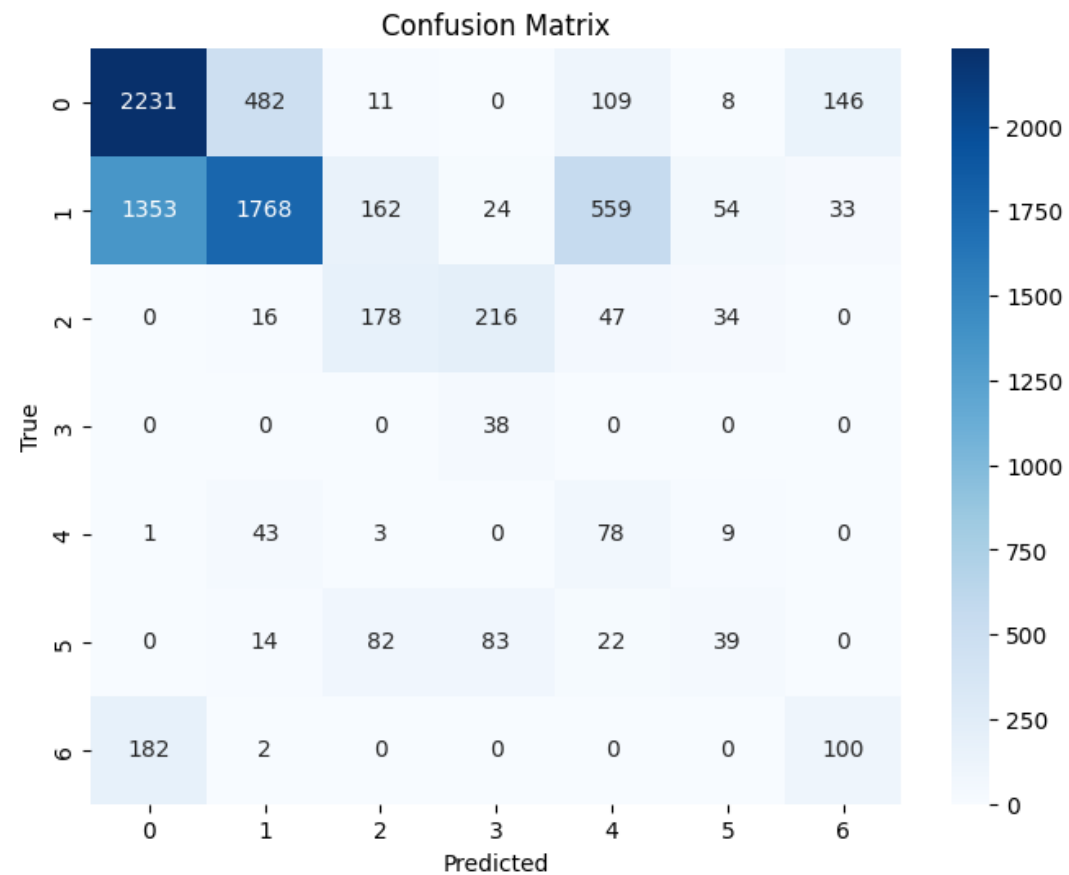
Methodology

Logistic Regression



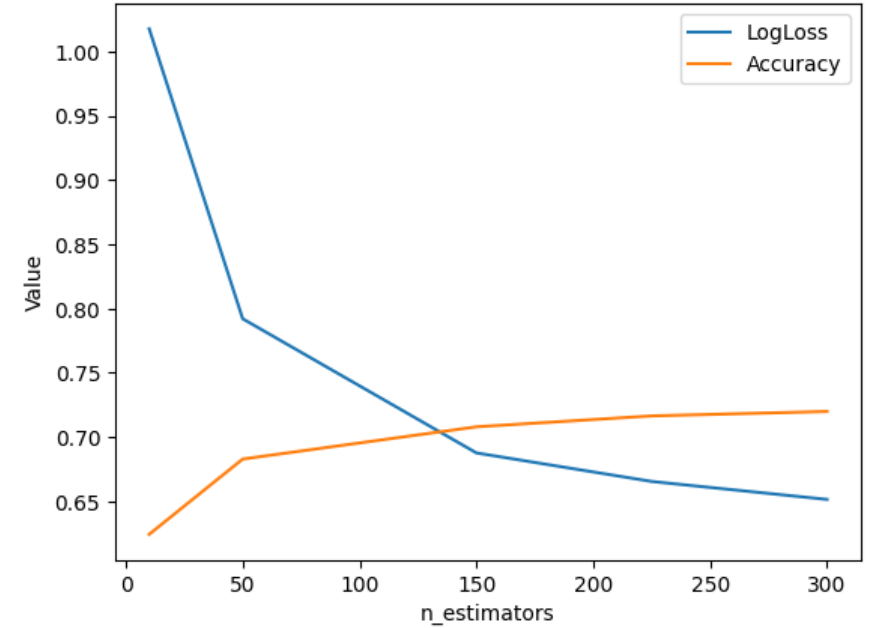
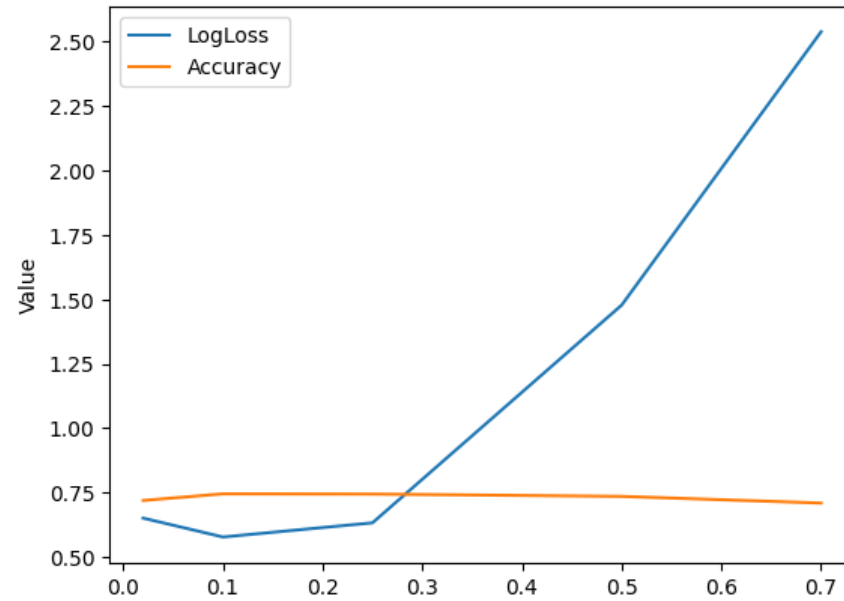
Methodology

Naive Bayes



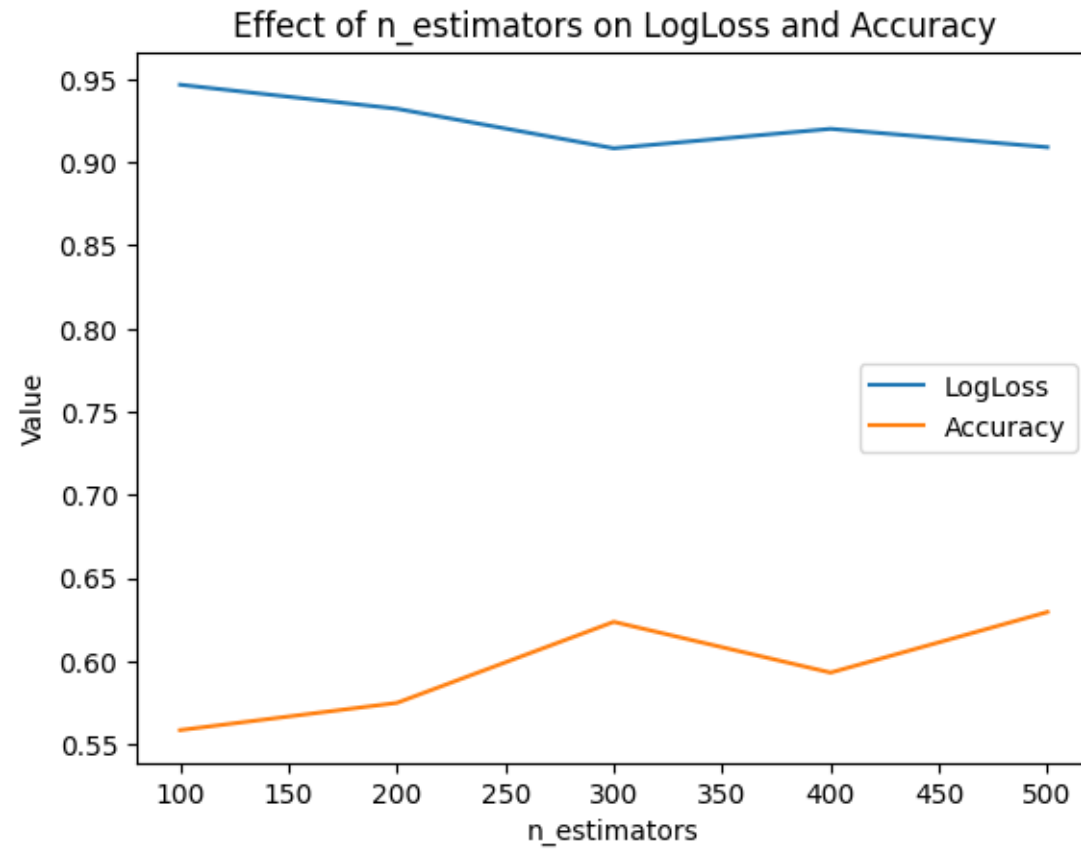
Methodology

Gradient Boosting



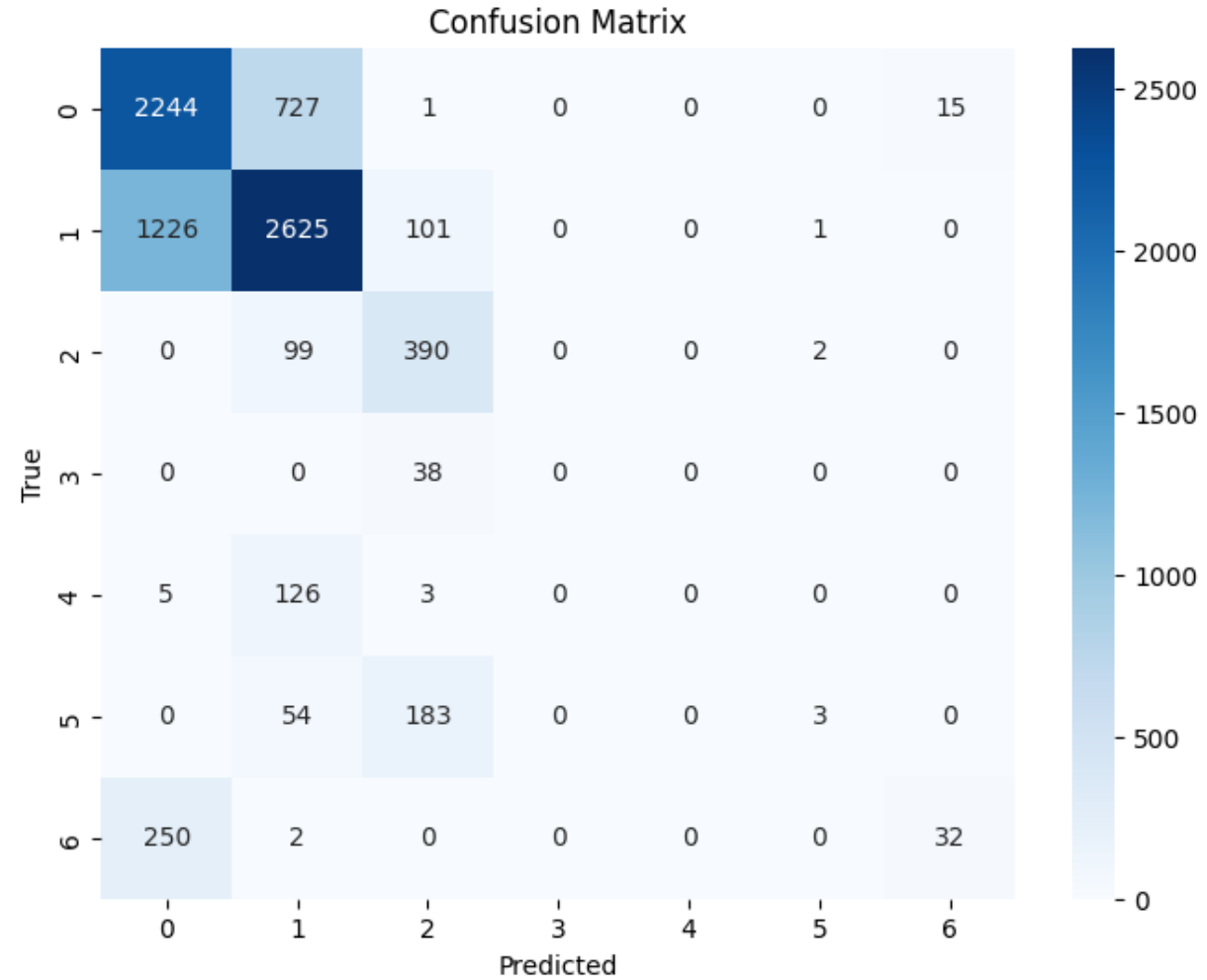
Methodology

Random Forest



Methodology

Random Forest



Conclusions