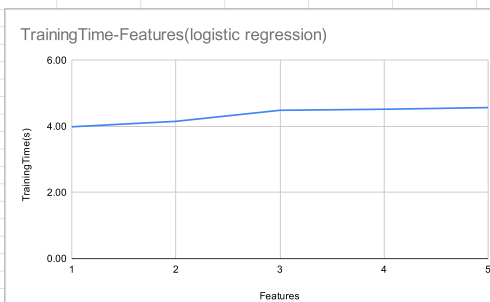
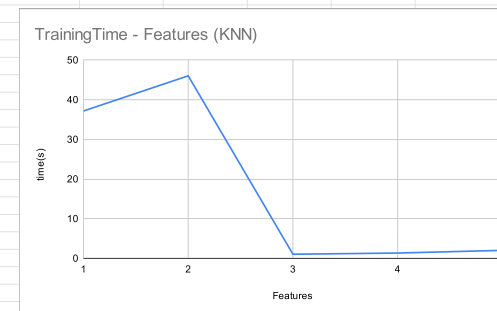
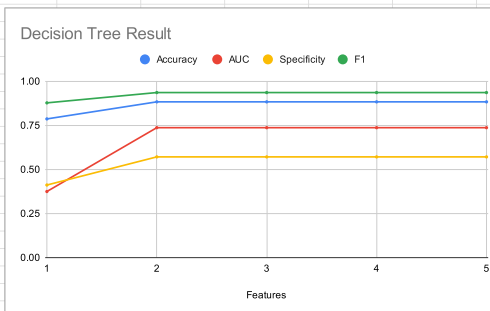
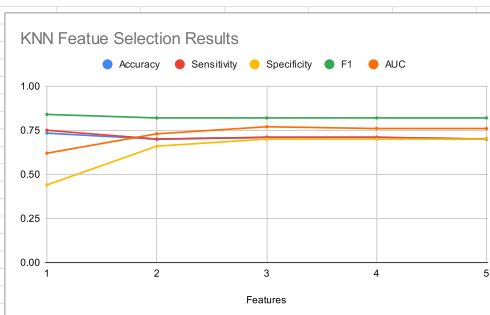
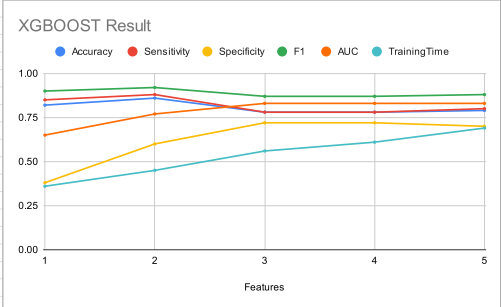
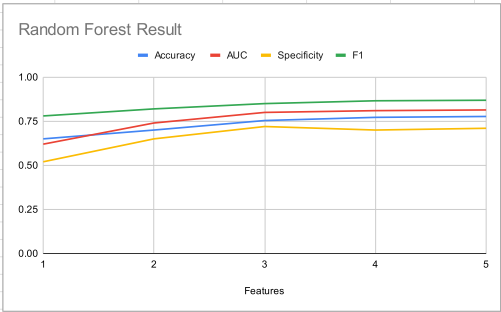


Feature Selection (with undersampling)								
Classifier	Accuracy	AUC	Specificity	F1	TrainingTime	Features		
Logistic Regression	0.76	0.65	0.43	0.43	0.86	3.99	1	
Decision Tree	0.79	0.37	0.41	0.41	0.88	6.76	1	
Logistic Regression	0.70	0.74	0.69	0.69	0.81	4.15	2	
Decision Tree	0.88	0.74	0.57	0.57	0.94	8.29	2	
Logistic Regression	0.72	0.78	0.69	0.69	0.83	4.49	3	
Decision Tree	0.88	0.74	0.57	0.57	0.94	9.74	3	
Logistic Regression	0.72	0.78	0.69	0.69	0.83	4.52	4	
Decision Tree	0.88	0.74	0.57	0.57	0.94	11.18	4	
Logistic Regression	0.72	0.78	0.69	0.69	0.83	4.57	5	
Decision Tree	0.88	0.74	0.57	0.57	0.94	12.16	5	
Logistic Regression	0.72	0.78	0.69	0.69	0.83	13.36	all	
Decision Tree	0.74	0.74	0.57	0.57	0.94	237.00	all	
Feature Selection (with undersampling)								
Classifier	Accuracy	Sensitivity	Specificity	F1	AUC	TrainingTime	Features	
KNN	0.73	0.75	0.44	0.44	0.84	0.62	37.18	1
KNN	0.70	0.7	0.66	0.66	0.82	0.73	46.04	2
KNN	0.71	0.71	0.7	0.7	0.82	0.77	1.04	3
KNN	0.71	0.71	0.7	0.7	0.82	0.76	1.34	4
KNN	0.70	0.7	0.7	0.7	0.82	0.76	2.02	5
XGBOOST								
Accuracy	Sensitivity	Specificity	F1	AUC	TrainingTime	Features		
XGBOOST	0.82	0.85	0.38	0.38	0.9	0.65	0.36	1
XGBOOST	0.86	0.88	0.6	0.6	0.92	0.77	0.45	2
XGBOOST	0.78	0.78	0.72	0.72	0.87	0.83	0.56	3
XGBOOST	0.78	0.78	0.72	0.72	0.87	0.83	0.61	4
XGBOOST	0.79	0.8	0.7	0.7	0.88	0.83	0.69	5
Accuracy	Sensitivity	Specificity	F1	AUC	TrainingTime	Features		
SVM	0.79	0.82	0.40	0.40	0.88	0.63	12.39	1
SVM	0.8	0.81	0.63	0.63	0.89	0.76	9.52	2
SVM	0.8	0.8	0.68	0.68	0.88	0.81	8.89	3
SVM	0.8	0.8	0.68	0.68	0.88	0.81	9.56	4
SVM	0.79	0.8	0.68	0.68	0.88	0.81	13.98	5
Accuracy	AUC	Specificity	F1	TrainingTime	Features			
Logistic Regression	0.76	0.65	0.43	0.86	3.99	1		
Logistic Regression	0.70	0.74	0.69	0.81	4.15	2		
Logistic Regression	0.72	0.78	0.69	0.83	4.49	3		
Logistic Regression	0.72	0.78	0.69	0.83	4.52	4		
Logistic Regression	0.72	0.78	0.69	0.83	4.57	5		
Logistic Regression	0.72	0.78	0.69	0.83	5.43	all		
Accuracy	AUC	Specificity	F1	TrainingTime	Features			
Decision Tree	0.79	0.37	0.41	0.88	6.76	1		
Decision Tree	0.88	0.74	0.57	0.94	8.29	2		
Decision Tree	0.88	0.74	0.57	0.94	9.74	3		
Decision Tree	0.88	0.74	0.57	0.94	11.18	4		
Decision Tree	0.88	0.74	0.57	0.94	12.16	5		
Decision Tree	0.74	0.74	0.57	0.94	13.36			
Training Time								
feature	Decision Tree	logistic Regression	SVM	XGBOOST	KNN	Random forest		
1	6.76	3.99	12.39	0.36	37.18	305		
2	8.29	4.15	9.52	0.45	46.04	295		
3	9.74	4.49	8.89	0.56	1.04	531		
4	11.18	4.52	9.56	0.61	1.34	840		
5	12.16	4.57	13.98	0.69	2.02	931		
random forest								
Accuracy	AUC	Specificity	F1	TrainingTime	Features			
	0.65	0.62	0.52	0.78	305	1		



0.74	0.74	0.65	0.82	295	2
0.8	0.8	0.72	0.85	531	3
0.808	0.81	0.7	0.866	840	4
0.814	0.814	0.71	0.869	931	5

Features	Accuracy	AUC	Specificity	F1
1	0.65		0.62	0.52
2	0.7		0.74	0.65
3	0.754		0.8	0.72
4	0.772		0.81	0.7
5	0.777		0.814	0.71



ACCURACY							
Features	KNN	XGBOOST	SVM	logistic regression	Decision Tree	Random Forest	
1	0.73	0.82	0.79	0.76	0.79	0.65	
2	0.70	0.86	0.8	0.70	0.88	0.7	
3	0.71	0.78	0.8	0.72	0.88	0.754	
4	0.71	0.78	0.8	0.72	0.88	0.772	
5	0.70	0.79	0.79	0.72	0.88	0.777	

