תיעוד ניסויים – מתן זיסמן

Model	Parameters	Accuracy	Percision	Recall	F1 Score	Confusion Matrix
Decision Tree Classifier	random_state = 99	0.938596	0.957143	0.943662	0.950355	[[40, 3], [4, 67]]
	criterion ='gini' random_state = 99 max_depth = 7 min_samples_split= 10	0.947368	0.957746	0.957746	0.957746	[[40, 3], [3, 68]]
	ccp_alpha = 0.015 criterion ='entropy' random_state = 99 max_depth = 10 min_samples_split= 5 min_samples_leaf= 10 max_features= 10	0.921053	0.897436	0.985915	0.939597	[[35, 8], [1, 70]]
	ccp_alpha = 0.015 criterion ='entropy' random_state = 99 max_depth = 7 min_samples_split = 5 min_samples_leaf = 10 max_features = 10 class_weight = 'balanced'	0.964912	0.958904	0.985915	0.972222	[[40, 3], [1, 70]]
	ccp_alpha = 0.015 criterion ='entropy' random_state = 99 max_depth = 7 min_samples_split= 10 min_samples_leaf= 3 max_features= 5	0.991228	1.000000	0.985915	0.992908	[[43, 0], [1, 70]]
Random Forest Classifier	ccp_alpha = 0.01 random_state = 99 n_estimators=200 max_depth=7 min_samples_split =5 min_samples_leaf =3 max_features = 'log2'	0.964912	0.958904	0.985915	0.972222	[[40, 3], [1, 70]]
	random_state = 99 max_depth = 10 n_estimators = 100 min_samples_split = 10 min_samples_leaf = 5 max_features = 10	0.964912	0.958904	0.985915	0.972222	[[40, 3], [1, 70]]
	random_state = 99 max_depth = 7 min_samples_split = 10 n_estimators = 200 min_samples_leaf = 3 max_features = 5 random_state = 99	0.964912	0.958904	0.985915	0.972222	[[40, 3], [1, 70]]

	max_depth = 7 min_samples_split 7= 2 n_estimators = 200 min_samples_leaf = 1 max_features = 'sqrt' bootstrap = True					
	random_state = 99 max_depth = 7 min_samples_split= 2 n_estimators = 200 min_samples_leaf = 1 max_features = 'sqrt' bootstrap = True criterion = 'entropy'	0.964912	0.958904	0.985915	0.972222	[[40, 3], [1, 70]]
Ada Boost Classifier	random_state = 99 estimator = DecisionTreeClassifier(max_depth = 2) n_estimators = 100	0.964912	0.971831	0.971831	0.971831	[[41, 2], [2, 69]]
	random_state = 99 estimator = DecisionTreeClassifier(max_depth = 1) n_estimators = 100 learning_rate = 0.02	0.956140	0.958333	0.971831	0.965035	[[40, 3], [2, 69]]
	random_state = 99 estimator = DecisionTreeClassifier(max_depth = 10) n_estimators = 200 learning_rate = 0.5	0.938596	0.957143	0.943662	0.950355	[[40, 3], [4, 67]]
	random_state = 99 DecisionTreeClassifier(max_depth = 5) n_estimators = 200 learning_rate = 0.5	0.956140	0.958333	0.971831	0.965035	[[40, 3], [2, 69]]
	random_state = 99 estimator = DecisionTreeClassifier(max_depth = 1) n_estimators = 200 learning_rate = 0.99	0.982456	0.972603	1.000000	0.986111	[[41, 2], [0, 71]]