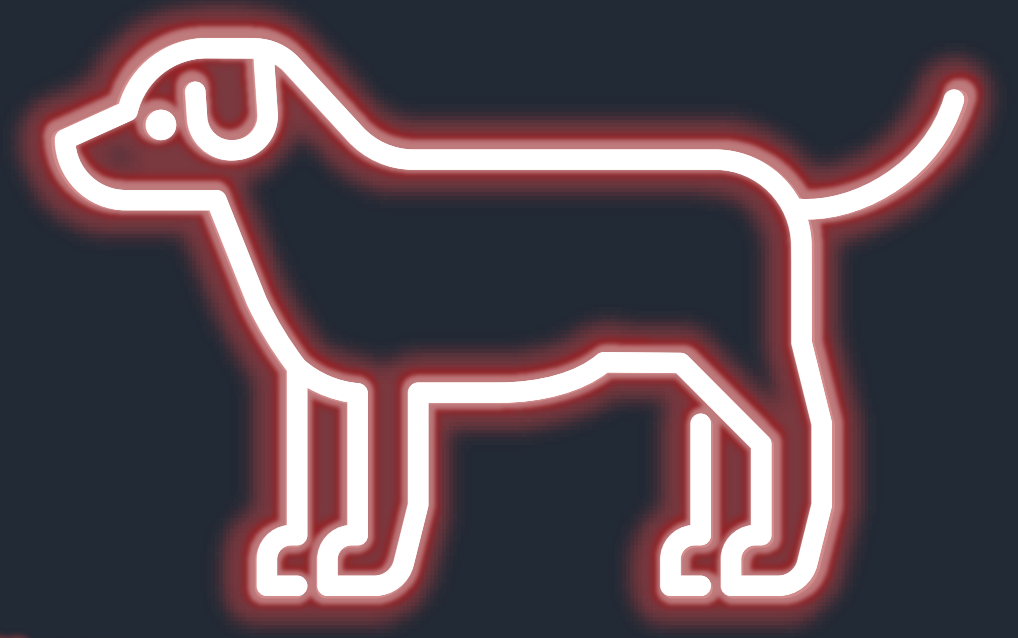
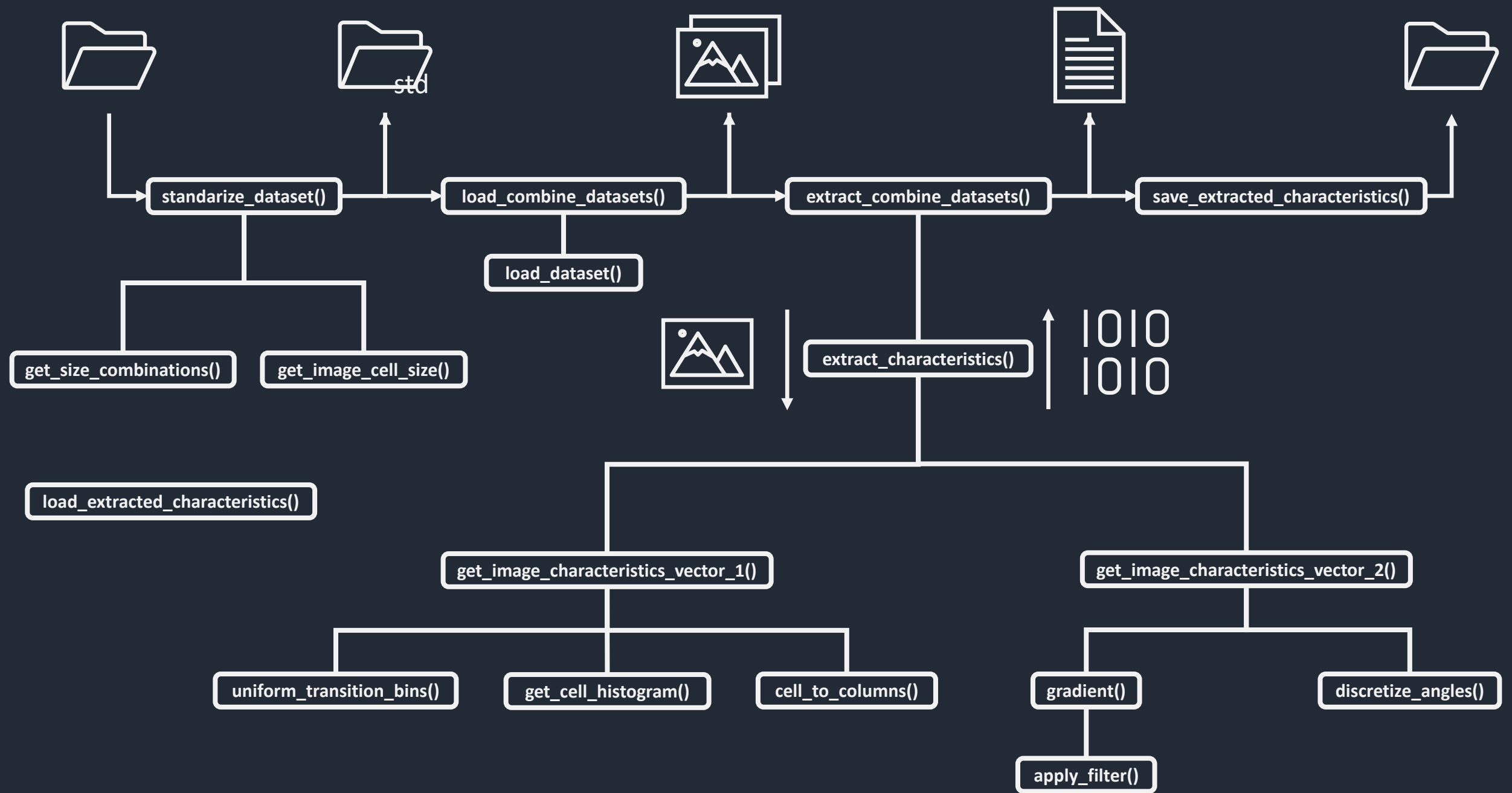


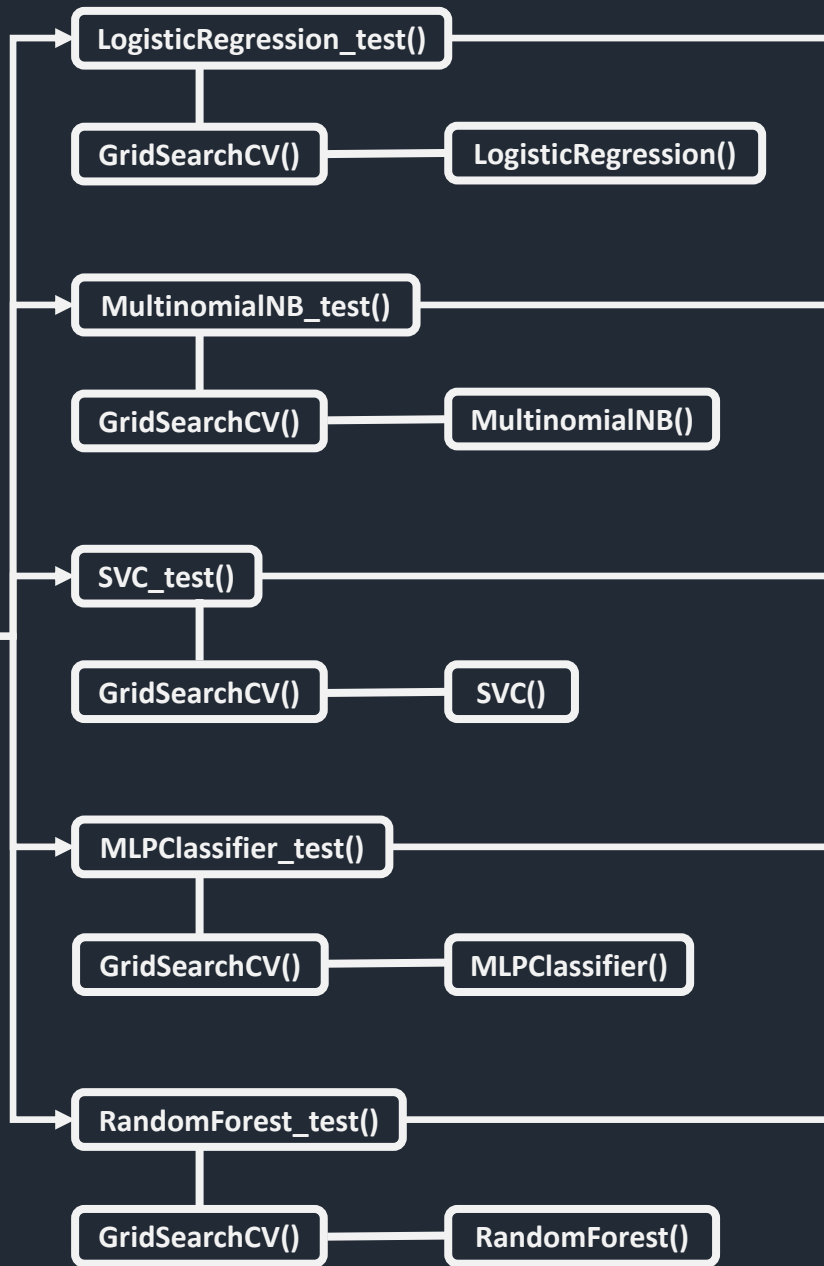
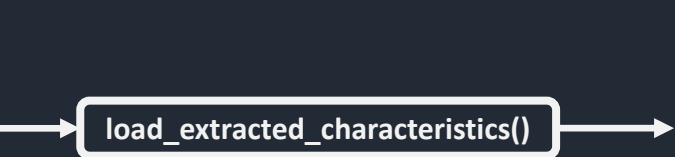
TRABAJO FINAL

VISIÓN ARTIFICIAL

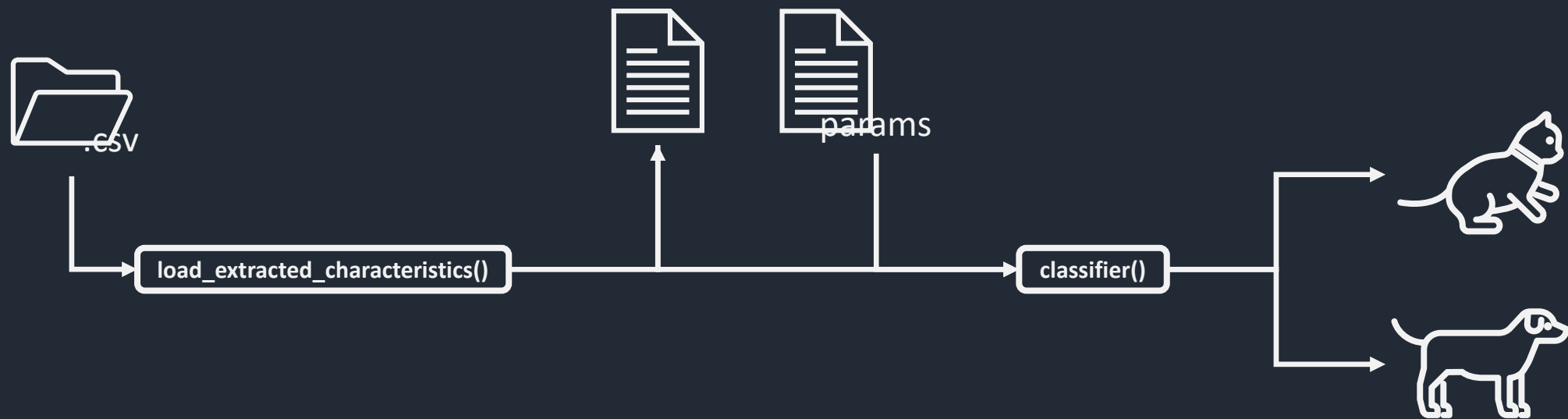


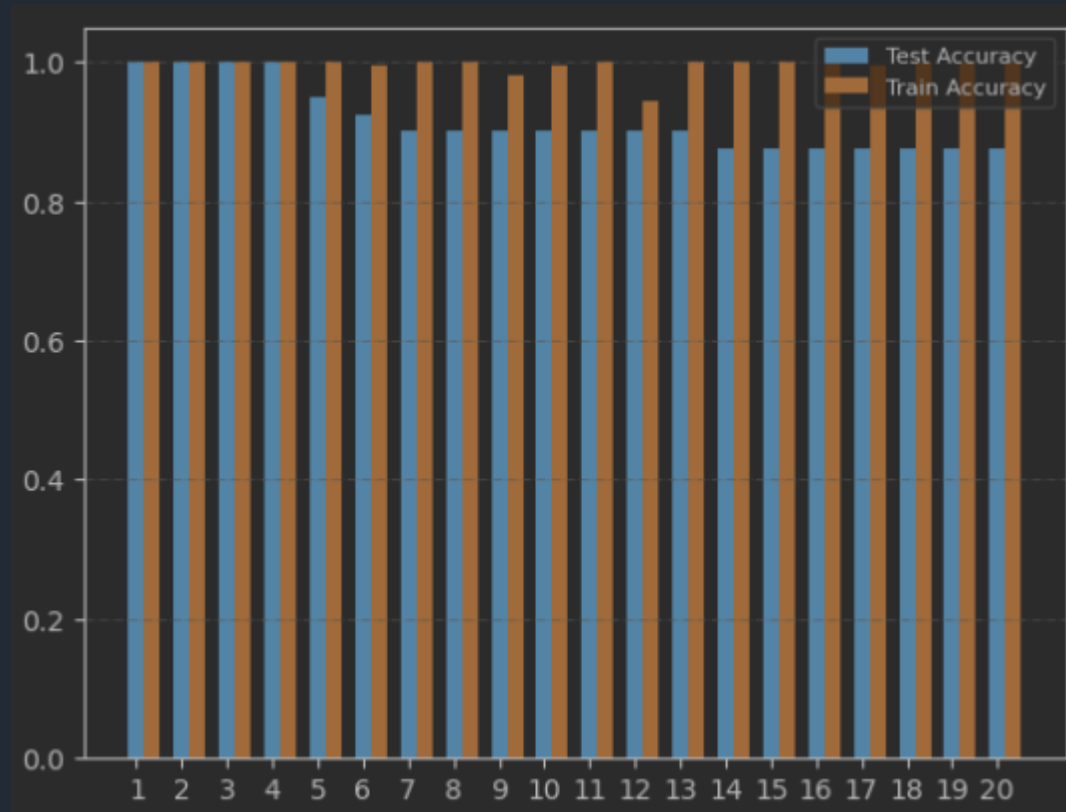
Igor Vons y Aitor Uranga





params





1. Combination of parameters: ('color', 'base', 'v1', 2, 'prewitt', 'SVC'): {'C': 0.01, 'gamma': 0.01}, trainAcc:1.0, testAcc:1.0
2. Combination of parameters: ('color', 'base', 'v2', 2, 'prewitt', 'SVC'): {'C': 0.01, 'gamma': 0.01}, trainAcc:1.0, testAcc:1.0
3. Combination of parameters: ('grayscale', 'base', 'v1', 2, 'prewitt', 'SVC'): {'C': 0.01, 'gamma': 0.01}, trainAcc:1.0, testAcc:1.0
4. Combination of parameters: ('grayscale', 'base', 'v2', 2, 'prewitt', 'SVC'): {'C': 0.01, 'gamma': 0.01}, trainAcc:1.0, testAcc:1.0
5. Combination of parameters: ('grayscale', 'grad', 'v3', 6, 'prewitt', 'SVC'): {'C': 3, 'gamma': 1}, trainAcc:1.0, testAcc:0.95
6. Combination of parameters: ('grayscale', 'grad', 'v3', 2, 'sobel', 'RandomForest'): {'criterion': 'entropy', 'max_depth': 5, 'max_features': 'log2', 'n_estimators': 100}, trainAcc:0.995, testAcc:0.925
7. Combination of parameters: ('color', 'base', 'v2', 2, 'prewitt', 'LogisticRegression'): {'C': 1, 'max_iter': 200, 'solver': 'newton-cg'}, trainAcc:1.0, testAcc:0.9
8. Combination of parameters: ('grayscale', 'base', 'v1', 2, 'prewitt', 'MLPClassifier'): {'hidden_layer_sizes': 15, 'max_iter': 200, 'solver': 'lbfgs'}, trainAcc:1.0, testAcc:0.9
9. Combination of parameters: ('grayscale', 'grad', 'v2', 2, 'sobel', 'RandomForest'): {'criterion': 'entropy', 'max_depth': 5, 'max_features': 'sqrt', 'n_estimators': 100}, trainAcc:0.98, testAcc:0.9
10. Combination of parameters: ('grayscale', 'grad', 'v2', 4, 'sobel', 'SVC'): {'C': 1, 'gamma': 3}, trainAcc:0.995, testAcc:0.9
11. Combination of parameters: ('grayscale', 'grad', 'v3', 6, 'prewitt', 'MLPClassifier'): {'hidden_layer_sizes': 15, 'max_iter': 250, 'solver': 'lbfgs'}, trainAcc:1.0, testAcc:0.9
12. Combination of parameters: ('grayscale', 'grad', 'v3', 6, 'sobel', 'LogisticRegression'): {'C': 1, 'max_iter': 200, 'solver': 'newton-cg'}, trainAcc:0.945, testAcc:0.9
13. Combination of parameters: ('grayscale', 'grad', 'v3', 6, 'sobel', 'MLPClassifier'): {'hidden_layer_sizes': 15, 'max_iter': 250, 'solver': 'lbfgs'}, trainAcc:1.0, testAcc:0.9
14. Combination of parameters: ('color', 'base', 'v1', 2, 'prewitt', 'LogisticRegression'): {'C': 1, 'max_iter': 200, 'solver': 'newton-cg'}, trainAcc:1.0, testAcc:0.875
15. Combination of parameters: ('grayscale', 'base', 'v1', 2, 'prewitt', 'LogisticRegression'): {'C': 1, 'max_iter': 200, 'solver': 'newton-cg'}, trainAcc:1.0, testAcc:0.875
16. Combination of parameters: ('grayscale', 'base', 'v2', 2, 'prewitt', 'LogisticRegression'): {'C': 1, 'max_iter': 200, 'solver': 'newton-cg'}, trainAcc:1.0, testAcc:0.875
17. Combination of parameters: ('grayscale', 'grad', 'v2', 4, 'prewitt', 'SVC'): {'C': 1, 'gamma': 3}, trainAcc:0.995, testAcc:0.875
18. Combination of parameters: ('grayscale', 'grad', 'v3', 2, 'prewitt', 'RandomForest'): {'criterion': 'gini', 'max_depth': 5, 'max_features': 'sqrt', 'n_estimators': 200}, trainAcc:1.0, testAcc:0.875
19. Combination of parameters: ('grayscale', 'grad', 'v3', 2, 'sobel', 'SVC'): {'C': 1, 'gamma': 0.1}, trainAcc:1.0, testAcc:0.875
20. Combination of parameters: ('grayscale', 'grad', 'v3', 4, 'sobel', 'RandomForest'): {'criterion': 'entropy', 'max_depth': 15, 'max_features': 'sqrt', 'n_estimators': 50}, trainAcc:1.0, testAcc:0.875