

Body Posture Experiment

	Grid	Device	Sample S	Classifier	Mean Accuracy	Accuracy STD	Mean Kappa	Kappa STD	ratio_index	ratio_sitting	ratio_standing	ratio_thumb
0	(2, 2)	iPhone 6	347	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.00390625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.7737649605296663	0.10410387034120573	0.7385014457458403	0.13866960594945776	1	0	1	0
1	(2, 2)	iPhone 6	347	SVC(C=8, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.009765625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.8395650891935722	0.0791287018059373	0.7853117286727438	0.105911874222396	1	1	0	0
2	(4, 3)	iPhone 6	1026	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.4370152395608118	0.08491928418087885	0.4184412939264161	0.09257891037753788	1	0	1	0
3	(4, 3)	iPhone 6	1026	SVC(C=64, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.009765625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.491347372737481	0.04577321030842076	0.4446982374288451	0.05010796979957618	1	1	0	0
4	(5, 4)	iPhone 6	1710	SVC(C=16, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.000244140625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.30409147300141937	0.07905408284594044	0.2989958998138108	0.08319452699195405	1	0	1	0
5	(5, 4)	iPhone 6	1710	MLPClassifier(activation='relu', alpha=0.001, batch_size='auto', beta_1=0.9, beta_2=0.999, early_stopping=False, epsilon=1e-08, hidden_layer_sizes=(8,), learning_rate='constant', learning_rate_init=0.001, max_iter=10000, momentum=0.9, nesterovs_momentum=True, power_t=0.5, random_state=None, shuffle=True, solver='adam', tol=0.0001, validation_fraction=0.1, verbose=False, warm_start=False)	0.3492476482882101	0.03385418927301683	0.3147668174150482	0.03560063008050158	1	1	0	0
6	(2, 2)	iPhone 7	144	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.9543910256410256	0.041113949928196204	0.9390873015873016	0.05488577260793058	1	1	0	0
7	(2, 2)	iPhone 7	144	SVC(C=8, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.000244140625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.8254042770954536	0.09912381635282216	0.807739387986248	0.13010574357515325	1	0	1	0
8	(4, 3)	iPhone 7	430	SVC(C=16, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.0001220703125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.7315953453453453	0.08494814254425473	0.7071976630779375	0.0927336495646166	1	1	0	0
9	(4, 3)	iPhone 7	430	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.6059701470672147	0.07585040178312948	0.6021492937592853	0.08285216755286841	1	0	1	0
10	(5, 4)	iPhone 7	719	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.0009765625, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.5831390532814583	0.10528529382754886	0.5611648024059116	0.110878625768175	1	1	0	0
11	(5, 4)	iPhone 7	719	MLPClassifier(activation='relu', alpha=0.001, batch_size='auto', beta_1=0.9, beta_2=0.999, early_stopping=False, epsilon=1e-08, hidden_layer_sizes=(10,), learning_rate='constant', learning_rate_init=0.001, max_iter=10000, momentum=0.9, nesterovs_momentum=True, power_t=0.5, random_state=None, shuffle=True, solver='adam', tol=0.0001, validation_fraction=0.1, verbose=False, warm_start=False)	0.42591187959036925	0.05133691005548805	0.4268983299452625	0.05404864252647587	1	0	1	0
12	(2, 2)	iPhone 6s	321	SVC(C=2, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.8725378787878789	0.08711421249878659	0.8301969143321154	0.116010744501473	1	1	0	0

13	(2, 2)	iPhone 6s	321	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.8157075858202518	0.05496292370824566	0.7934607026501002	0.07426259838625503	1	0	1	0
14	(4, 3)	iPhone 6s	962	SVC(C=16, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.00048828125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.6092403504880213	0.10547935677519908	0.5736876904532384	0.11509373371085893	1	1	0	0
15	(4, 3)	iPhone 6s	962	SVC(C=16, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.5338738251558857	0.028849795880474212	0.5238139322422672	0.031390650613314905	1	0	1	0
16	(5, 4)	iPhone 6s	1600	SVC(C=4, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.001953125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.4723580360275842	0.07548152978238902	0.44456073066582497	0.07945875095236536	1	1	0	0
17	(5, 4)	iPhone 6s	1600	SVC(C=16, cache_size=200, class_weight=None, coef0=0.0, decision_function_shape=None, degree=3, gamma=0.00048828125, kernel='rbf', max_iter=-1, probability=False, random_state=None, shrinking=True, tol=0.001, verbose=False)	0.370687150057806	0.02540504507306502	0.3687092783594823	0.02673075110156016	1	0	1	0