

Input Modality 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	877	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)	0.8180825496342738	0.0741752792376117	0.7573812091589754	0.09889618092356801	1	0.6043329532497149	0.3956670467502851	0
1	(2, 2)	iPhone 6	877	SVC(C=32, 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)	0.7882362564036334	0.05060226365640569	0.7176055532952732	0.0675287811466476	0	0.6180159635119726	0.38198403648802737	1
2	(4, 3)	iPhone 6	2645	SVC(C=32, 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)	0.475190766109911	0.05572766172205045	0.4273808777415645	0.060787851693725435	1	0.6120982986767486	0.3879017013232514	0
3	(4, 3)	iPhone 6	2645	SVC(C=8, 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)	0.4973052731134006	0.035537003953800696	0.4515825820944143	0.03877587071588279	0	0.6260869565217392	0.3739130434782609	1
4	(5, 4)	iPhone 6	4366	MLPClassifier(activation='relu', alpha=0.0001, 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)	0.37808746383269703	0.05954744510980747	0.3453293496229858	0.06265391712754917	1	0.608337150710032	0.3916628492899679	0
5	(5, 4)	iPhone 6	4366	MLPClassifier(activation='relu', alpha=0.0001, 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)	0.3484548897581443	0.012238546052772732	0.31415300387092226	0.012887400414416056	0	0.6209344938158498	0.3790655061841503	1
6	(2, 2)	iPhone 7	413	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)	0.9148499458567524	0.06758189648711756	0.8864574314574314	0.09010624932191684	1	0.6513317191283293	0.3486682808716707	0
7	(2, 2)	iPhone 7	413	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)	0.8045520404156251	0.05085004463707687	0.739088102657018	0.067599968640882	0	0.7433414043583535	0.2566585956416465	1
8	(4, 3)	iPhone 7	1240	SVC(C=8, 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)	0.7021972833741505	0.07674519782238533	0.6751402746719375	0.08371953706713611	1	0.6532258064516129	0.3467741935483871	0
9	(4, 3)	iPhone 7	1240	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)	0.5196531778162952	0.026147742366760908	0.4759770770736599	0.028529142892401323	0	0.7411290322580645	0.25887096774193546	1
10	(5, 4)	iPhone 7	2076	SVC(C=8, 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)	0.5353595370332939	0.04192495582087044	0.5109105221216261	0.044141694105773184	1	0.6536608863198459	0.3463391136801541	0
11	(5, 4)	iPhone 7	2076	MLPClassifier(activation='relu', alpha=0.0001, 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)	0.3753634098622863	0.03517820472390807	0.34234966733206296	0.03699254981367977	0	0.7384393063583815	0.2615606936416185	1
12	(2, 2)	iPhone 6s	858	SVC(C=4, 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)	0.8649614828070181	0.027580892075838703	0.8199648515838748	0.03672314959125757	1	0.6258741258741258	0.3741258741258741	0

13	(2, 2)	iPhone 6s	858	SVC(C=16, 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)	0.7774436922104264	0.030274630302597843	0.7030648846583103	0.04044232389726461	0	0.6247086247086248	0.3752913752913753	1
14	(4, 3)	iPhone 6s	2603	SVC(C=64, 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)	0.6105936692073823	0.07227056920174561	0.5751836870383816	0.0788352179288022	1	0.6304264310411064	0.3695735689588936	0
15	(4, 3)	iPhone 6s	2603	SVC(C=32, 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)	0.4674343685422794	0.026918026410318933	0.4189107167534016	0.029397337935336786	0	0.6242796772954283	0.3757203227045717	1
16	(5, 4)	iPhone 6s	4314	SVC(C=32, 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)	0.44394128829801865	0.06367926463991158	0.4146606779838947	0.06702132742826558	1	0.6291145108947612	0.3708854891052388	0
17	(5, 4)	iPhone 6s	4314	MLPClassifier(activation='relu', alpha=0.0001, 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)	0.3660334097332968	0.02399842882293271	0.3325735726681685	0.025281793977112936	0	0.6367640241075568	0.3632359758924432	1