

# Result

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## MLPClassifier

	precision	recall	f1-score	support
class 1	0.94	0.98	0.96	45
class 2	0.92	0.96	0.94	450
class 3	0.98	0.93	0.96	450
class 4	0.94	0.90	0.92	288
class 5	0.97	0.95	0.96	396
class 6	0.89	0.94	0.91	378
class 7	0.99	1.00	0.99	90
class 8	0.97	0.96	0.96	288
class 9	0.95	0.98	0.97	288
class 10	0.99	0.98	0.98	297
class 11	0.96	1.00	0.98	405
class 12	0.99	0.96	0.97	270
class 13	0.99	0.93	0.96	423
class 14	0.95	0.99	0.97	432
class 15	1.00	0.98	0.99	162
accuracy			0.96	4662
macro avg	0.96	0.96	0.96	4662
weighted avg	0.96	0.96	0.96	4662

## SVC

	precision	recall	f1-score	support
class 1	1.00	0.84	0.92	45
class 2	0.88	0.93	0.90	450
class 3	0.91	0.84	0.87	450
class 4	0.88	0.67	0.76	288
class 5	0.87	0.89	0.88	396
class 6	0.73	0.79	0.76	378
class 7	1.00	0.98	0.99	90
class 8	0.98	0.58	0.73	288
class 9	0.54	0.91	0.68	288
class 10	1.00	0.89	0.94	297
class 11	0.95	0.97	0.96	405
class 12	1.00	0.93	0.96	270
class 13	0.91	0.94	0.92	423
class 14	0.99	0.98	0.98	432
class 15	1.00	0.98	0.99	162

accuracy			0.87	4662
macro avg	0.91	0.87	0.88	4662
weighted avg	0.90	0.87	0.88	4662

class 6 and class 9

## RandomForestClassifier

	precision	recall	f1-score	support
class 1	1.00	0.91	0.95	45
class 2	0.95	0.97	0.96	450
class 3	0.97	0.96	0.97	450
class 4	0.99	0.97	0.98	288
class 5	0.98	0.97	0.97	396
class 6	0.97	0.97	0.97	378
class 7	1.00	1.00	1.00	90
class 8	0.98	0.95	0.97	288
class 9	0.97	0.98	0.97	288
class 10	0.99	0.99	0.99	297
class 11	1.00	1.00	1.00	405
class 12	1.00	0.99	0.99	270
class 13	0.97	0.99	0.98	423
class 14	0.98	1.00	0.99	432
class 15	1.00	0.99	1.00	162
accuracy			0.98	4662
macro avg	0.98	0.98	0.98	4662
weighted avg	0.98	0.98	0.98	4662