1.Decision Trees

Experiment #	Cross Validation Fold	Parameter (splitter)	Parameter (max_depth)	Average Accuracy (in %)
1	10	best	None	68.87
2	10	best	5	74.79
3	10	random	5	72.78
4	10	random	None	70.30

2.Perceptron

Experiment #	Cross Validation Fold	Parameter (n_iter)	Average Accuracy (in %)
1	10	default=5	67.24
2	10	7	70.19
3	10	10	72.57

3.Neural Net

Experiment #	Cross Validation Fold	Parameter (hidden_layer_ sizes)	Parameter (learning_rate_ init)	Average Accuracy (in %)
1	10	(3 , 2)	.01	69.93
2	10	(3 , 2)	.1	71.10
3	10	(4 , 2)	.01	73.19

4.Deep Learning

Experiment #	Cross Validation Fold	Parameter (hidden_layer_ sizes)	Parameter (learning_rate_ init)	Average Accuracy (in %)
1	10	(18 , 6)	.005	73.67
2	10	(15 , 6)	.01	76.82
3	10	(38 , 10)	.01	74.18

5.SVM

Experiment #	Cross Validation Fold	Parameter (kernel)	Average Accuracy (in %)
1	10	rbf	75.91
2	10	linear	76.69
3	10	sigmoid	72.39
4	10	poly	65.10

6.Naïve Bayes

Experiment #	Cross Validation Fold	Parameter (fit_prior)	Average Accuracy (in %)
1	10	True	65.10
2	10	False	64.24

7.Logistic Regression

Experiment #	Cross Validation Fold	Parameter (Tol)	Average Accuracy (in %)
1	10	.1	75.91

2	10	0.00001	76.05
3	10	0.1	73.06

8.k-Nearest Neighbors

Experiment #	Cross Validation Fold	Parameter (n_neighbors)	Parameter (weights)	Average Accuracy (in %)
1	10	5	distance	74.62
2	10	10	distance	73.24
3	10	5	uniform	74.07

9.Bagging

Experiment #	Cross Validation Fold	Parameter (n_estimators)	Average Accuracy (in %)
1	10	50	75.91
2	10	100	76.44
3	10	150	76.19

10.Random Forests

Experiment #	Cross Validation Fold	Parameter (n_estimators)	Parameter (max_features)	Average Accuracy (in %)
1	10	100	3	76.56
2	10	100	5	74.31
3	10	100	2	77.21

11.AdaBoost

Experiment #	Cross Validation Fold	Parameter (n_estimators)	Average Accuracy (in %)
1	10	30	74.60
2	10	60	75.54
3	10	90	74.80

12.Gradient Boosting

Experiment #	Cross Validation Fold	Parameter (n_estimators)	Average Accuracy (in %)
1	10	50	76.56
2	10	100	76.07
3	10	150	75.90