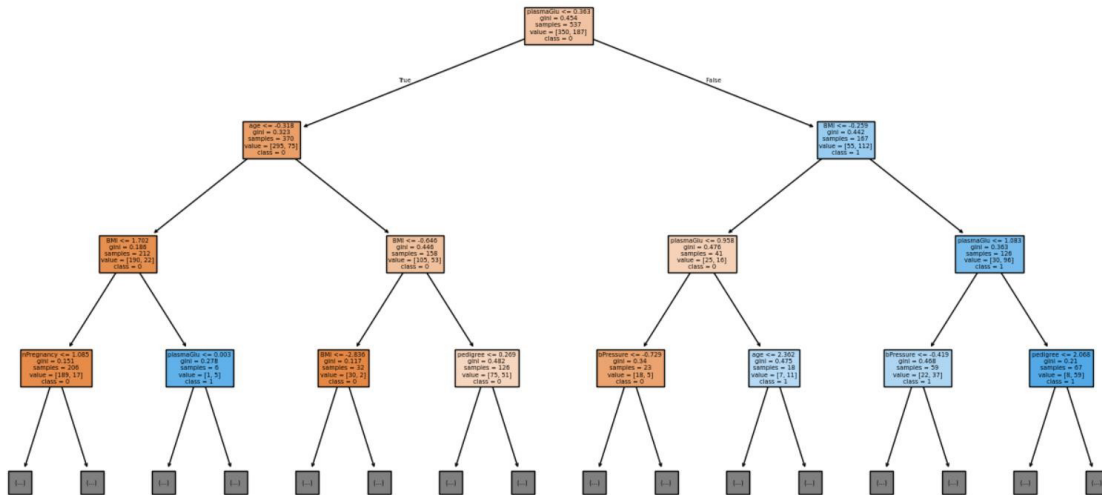


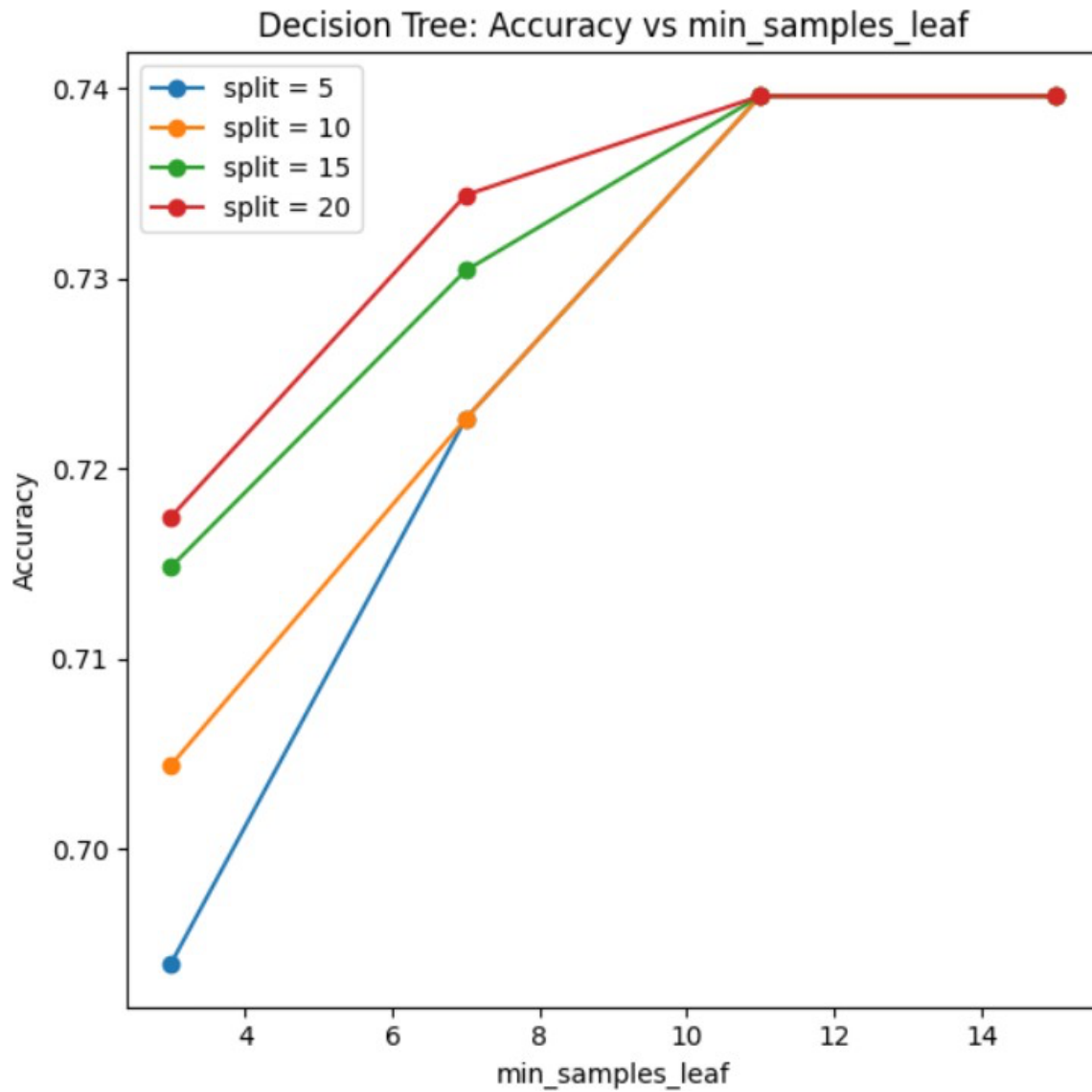
Report for Decision Tree and Random Forest

max_depth=None, min_samples_split=6, min_samples_leaf=2

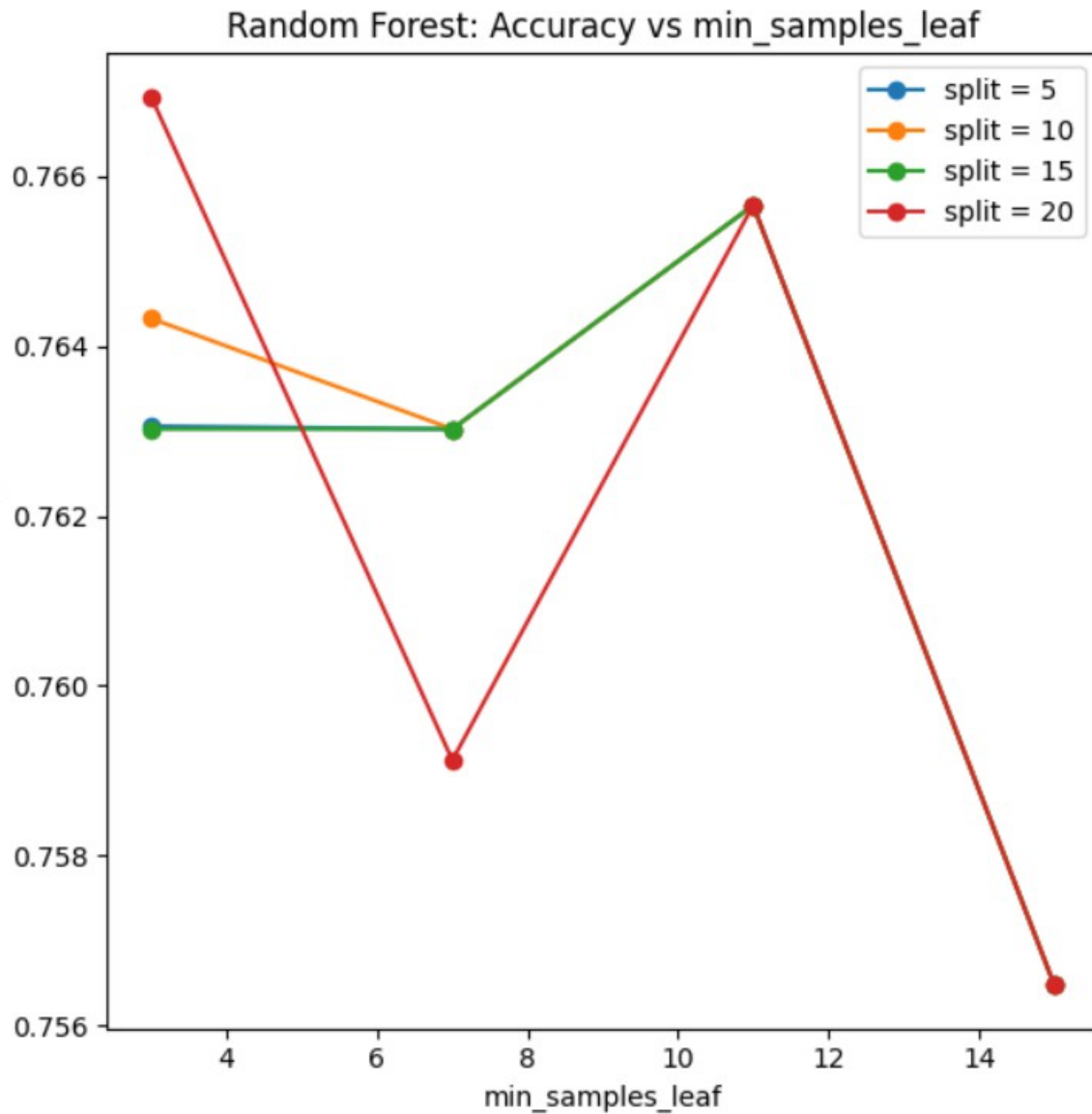


Classifier	min_samples_split	min_samples_leaf	Overall Accuracy	Precision	Recall	F1-score
Decision Tree	5	3	0.69	0.68	0.69	0.68
Decision Tree	5	7	0.72	0.71	0.72	0.71
Decision Tree	5	11	0.73	0.73	0.73	0.73
Decision Tree	5	15	0.73	0.74	0.73	0.73
Decision Tree	10	3	0.70	0.70	0.70	0.69
Decision Tree	10	7	0.72	0.71	0.72	0.71
Decision Tree	10	11	0.73	0.73	0.73	0.73
Decision Tree	10	15	0.73	0.74	0.73	0.73
Decision Tree	15	3	0.71	0.71	0.71	0.70
Decision Tree	15	7	0.73	0.72	0.73	0.72
Decision Tree	15	11	0.73	0.73	0.73	0.73
Decision Tree	15	15	0.73	0.74	0.73	0.73
Decision Tree	20	3	0.71	0.71	0.71	0.71
Decision Tree	20	7	0.73	0.73	0.73	0.72
Decision Tree	20	11	0.73	0.73	0.73	0.73
Decision Tree	20	15	0.73	0.74	0.73	0.73
Random Forest	5	3	0.76	0.76	0.76	0.75
Random Forest	5	7	0.76	0.75	0.76	0.75
Random Forest	5	11	0.76	0.76	0.76	0.75
Random Forest	5	15	0.75	0.75	0.75	0.74
Random Forest	10	3	0.76	0.76	0.76	0.75
Random Forest	10	7	0.76	0.75	0.76	0.75
Random Forest	10	11	0.76	0.76	0.76	0.75
Random Forest	10	15	0.75	0.75	0.75	0.74
Random Forest	15	3	0.76	0.75	0.76	0.75
Random Forest	15	7	0.76	0.76	0.76	0.75
Random Forest	15	11	0.76	0.76	0.76	0.75
Random Forest	15	15	0.75	0.75	0.75	0.74
Random Forest	20	3	0.76	0.76	0.76	0.75
Random Forest	20	7	0.75	0.75	0.75	0.74
Random Forest	20	11	0.76	0.76	0.76	0.75
Random Forest	20	15	0.75	0.75	0.75	0.74

Graph 1 for Decision Tree: Accuracy versus min_samples_leaf, it must have four lines, one line for each value of min_samples_split.



Graph 2 for Random Forest: Accuracy versus min_samples_leaf, it must have four lines, one line for each value of min_samples_split.



I got both graphs together like this while executing the code pasting that as well:

