- The details of each parameter setting is explained in the research paper, section 2.3. Below is a list of examples for the different parameter spaces used at each parameter setting.

Caret Model	Examples for Parameter Space Values		
	Default Setting	**Trivial Setting**	**Optimized Setting**
C5.0	model={rules}, winnow = {FALSE},trials={1}	model = {tree}, winnow = {TRUE},trials = {40}	model={rules, tree}, winnow={FALSE,TRUE}, trials= {1,10,20,40}
AdaBoost.M1	mfinal={50}, maxdepth ={1},coeflearn={Breiman}	mfinal={250}, maxdepth={5}, coeflearn={Breiman}	mfinal={50, 100, 150, 200, 250}, maxdepth={1, 2,3,4,5}, coeflearn={Breiman}
avNNet	size ={1}, decay ={0},bag ={FALSE}	size ={9}, decay = {0.1},bag ={TRUE}	size ={1, 3, 5, 7, 9} , decay = {0, 0.0001, 0.001, 0.01, 0.1} , bag ={FALSE, TRUE}
pcaNNet	size ={1}, decay ={0}	size ={9}, decay ={0.1}	size ={1, 3, 5, 7, 9}, decay={0, 0.0001, 0.001, 0.01, 0.1}
nnet	size ={1}, decay ={0}	size ={9}, decay ={0.1}	size ={1, 3, 5, 7, 9}, decay = {0, 0.0001, 0.001, 0.01, 0.1}
fda	degree = {1}, nprune ={10}	degree ={1}, nprune = {50}	degree = {1}, nprune = {10, 20, 30, 40,50}
mlpWeightDecay	size ={1}, decay ={0}	size ={9}, decay = {0.1}	size={1, 3, 5, 7, 9}, decay = {0, 0.0001, 0.001, 0.01, 0.1}
mlp	size ={1}	size ={9}	size ={1, 3, 5, 7, 9}
LMT	iter={1}	iter ={81}	iter ={1, 21, 41, 61, 81}
gpls	K.prov = {1}	K.prov = {5}	K.prov = {1, 2, 3, 4, 5}
LogitBoost	nIter = {11}	nIter = {51}	nIter = {11,21,31,41,51}
knn	k = {1}	k = {17}	k ={1, 5, 9, 13, 17}
xgbTree	nrounds={100}, eta={0.3},max_depth ={1},gamma={0}, colsam-ple_bytree=0.8, min_child_weight={1}, subsample={0.5}	nrounds = {250},eta={0.3}, max_depth={5}, gamma={0}, colsample_bytree={0.8}, min_child_weight={1}, subsample={0.5}	nrounds= {50, 100, 150, 200, 250}, eta={0.3}, max_depth={1, 2, 3, 4, 5}, gamma=0, colsample_bytree=0.8, min_child_weight=1, subsample=0.5
gbm	n.trees = {100}, interaction.depth = {1}, shrinkage = {0.1}, n.minobsinnode={10}	n.trees = {250}, interaction.depth = {5}, shrinkage = {0.1}, n.minobsinnode={10}	n.trees ={50, 100, 150, 200, 250}, interaction.depth ={1, 2, 3, 4, 5}, shrinkage = {0.1}, n.minobsinnode={10}
rbf	size={11}	size={19}	size={11, 13, 15, 17, 19}
svmRadial	C ={1}, sigma ={0.5}	C ={4}, sigma = {0.9}	C = {0.25, 0.5, 1, 2, 4}, sigma={0.1, 0.3, 0.5, 0.7, 0.9}
gamboost	mstop={50},prune={no}	mstop={250},prune={yes}	mstop={50, 100, 150, 200, 250},prune={no,yes}
rf	mtry={10}	mtry={50}	mtry={10, 20, 30, 40, 50}
JRip	NumOpt={2}, NumFolds={3}, MinWeights={2}	NumOpt={5}, NumFolds={3}, MinWeights={2}	NumOpt={1,2,3,4,5}, NumFolds={3}, MinWeights={2}
multinom	decay = {0}	decay ={0.1}	decay = {0, 0.0001, 0.001, 0.01, 0.1}
pda	lambda = {1}	lambda ={5}	lambda = {1, 2, 3, 4, 5}
rpart	cp=c(0.01)	cp={0.5}	cp={0.0001, 0.001, 0.01, 0.1, 0.5}