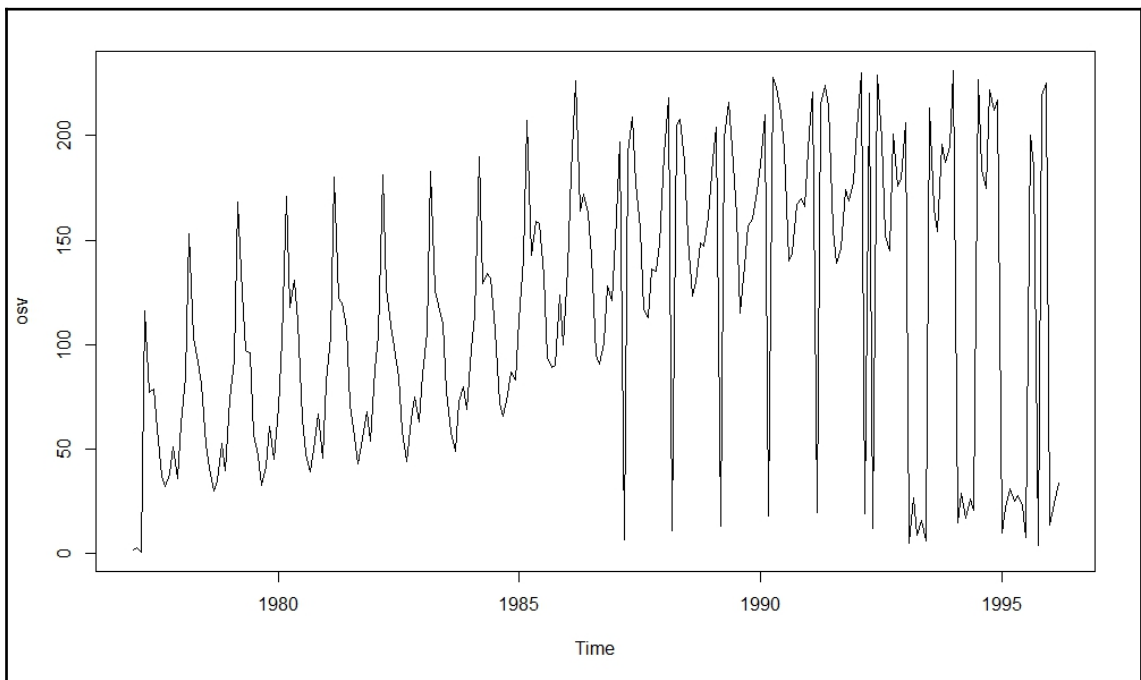
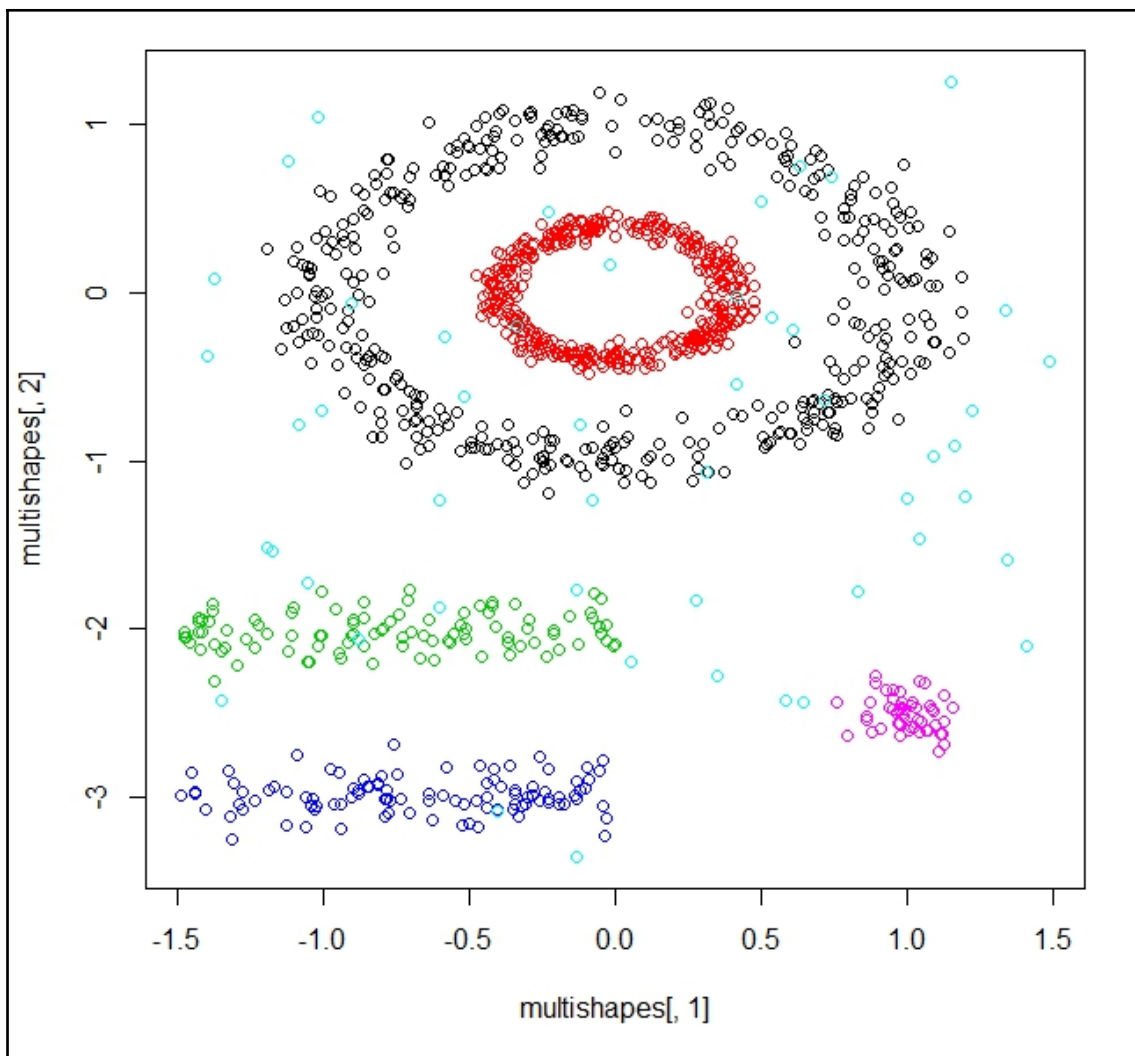
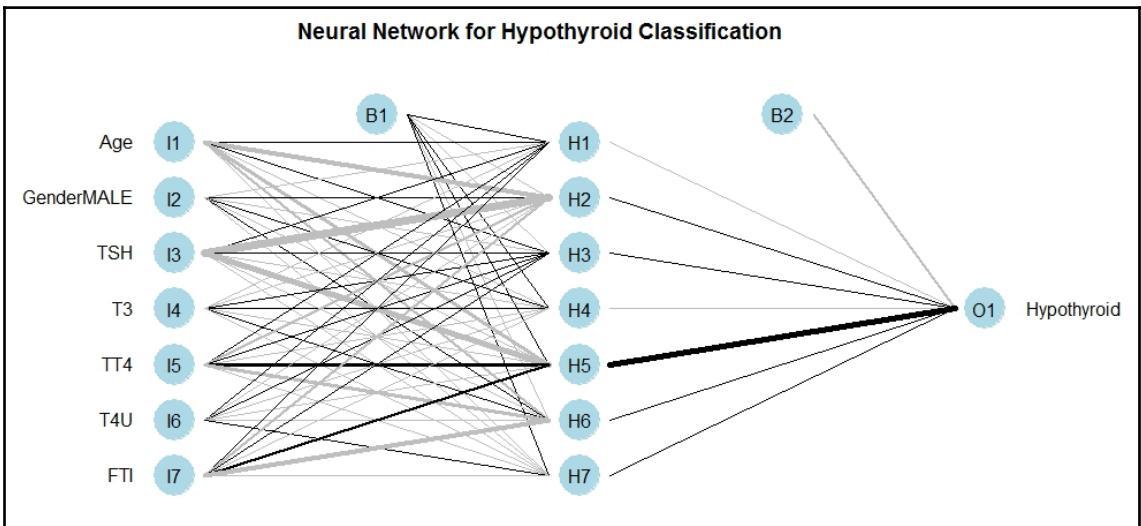
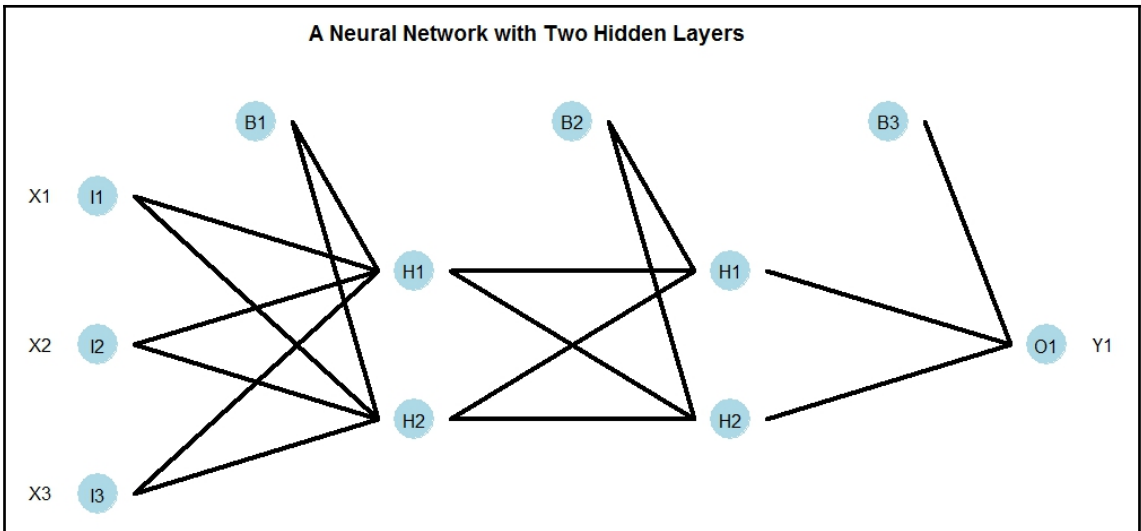


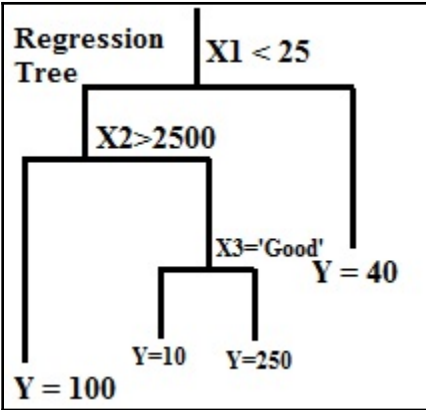
1 Graphics

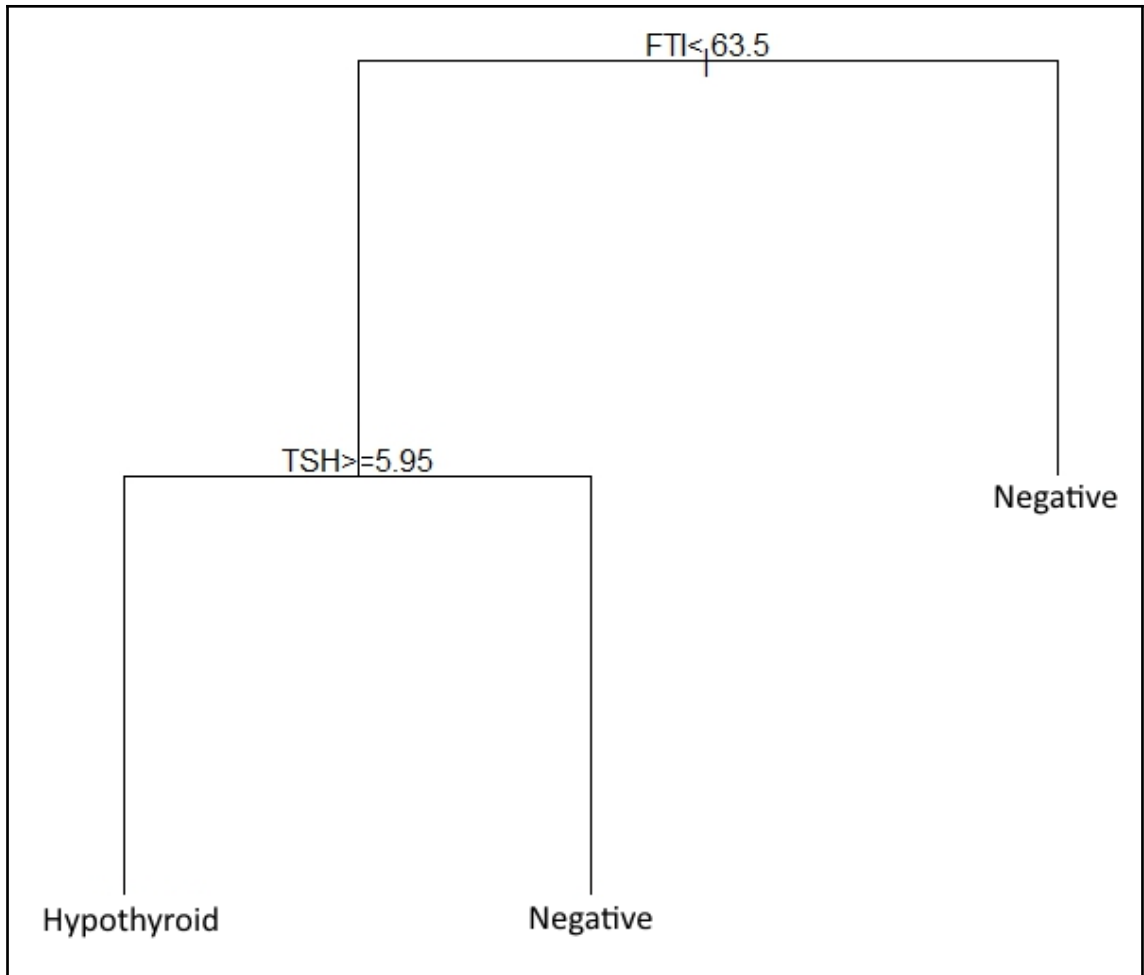
Chapter 1: Introduction to Ensemble Techniques







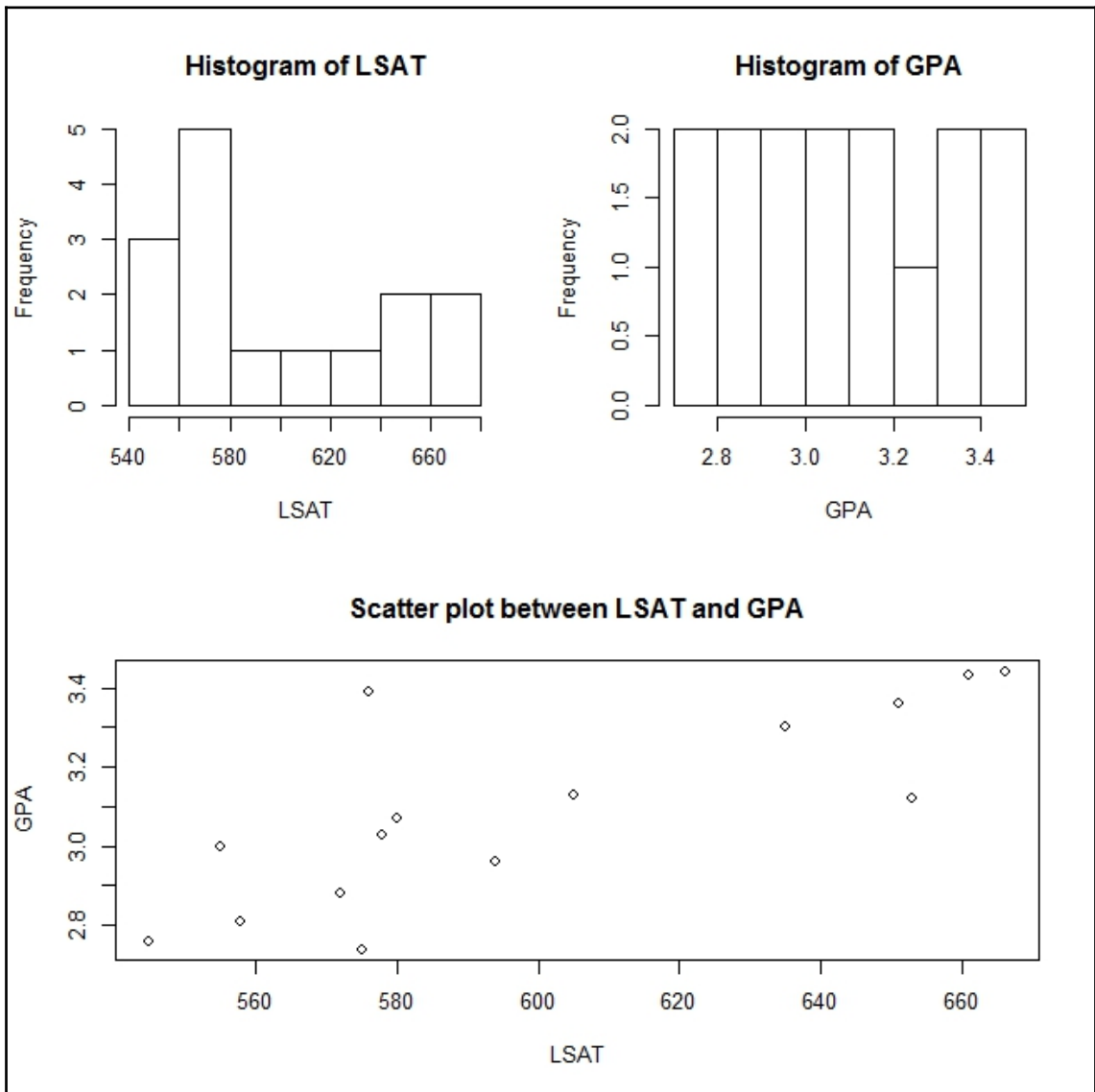


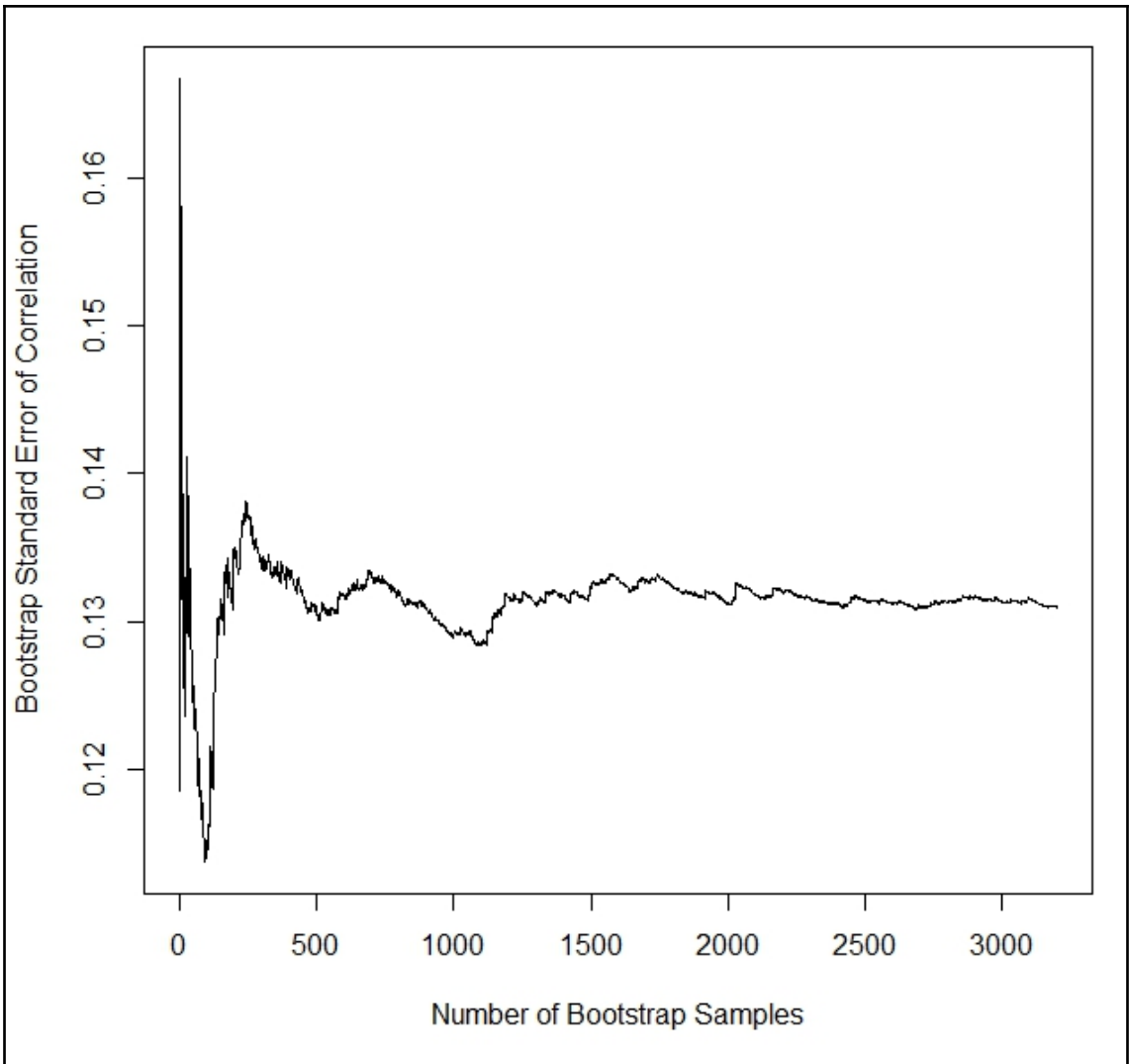


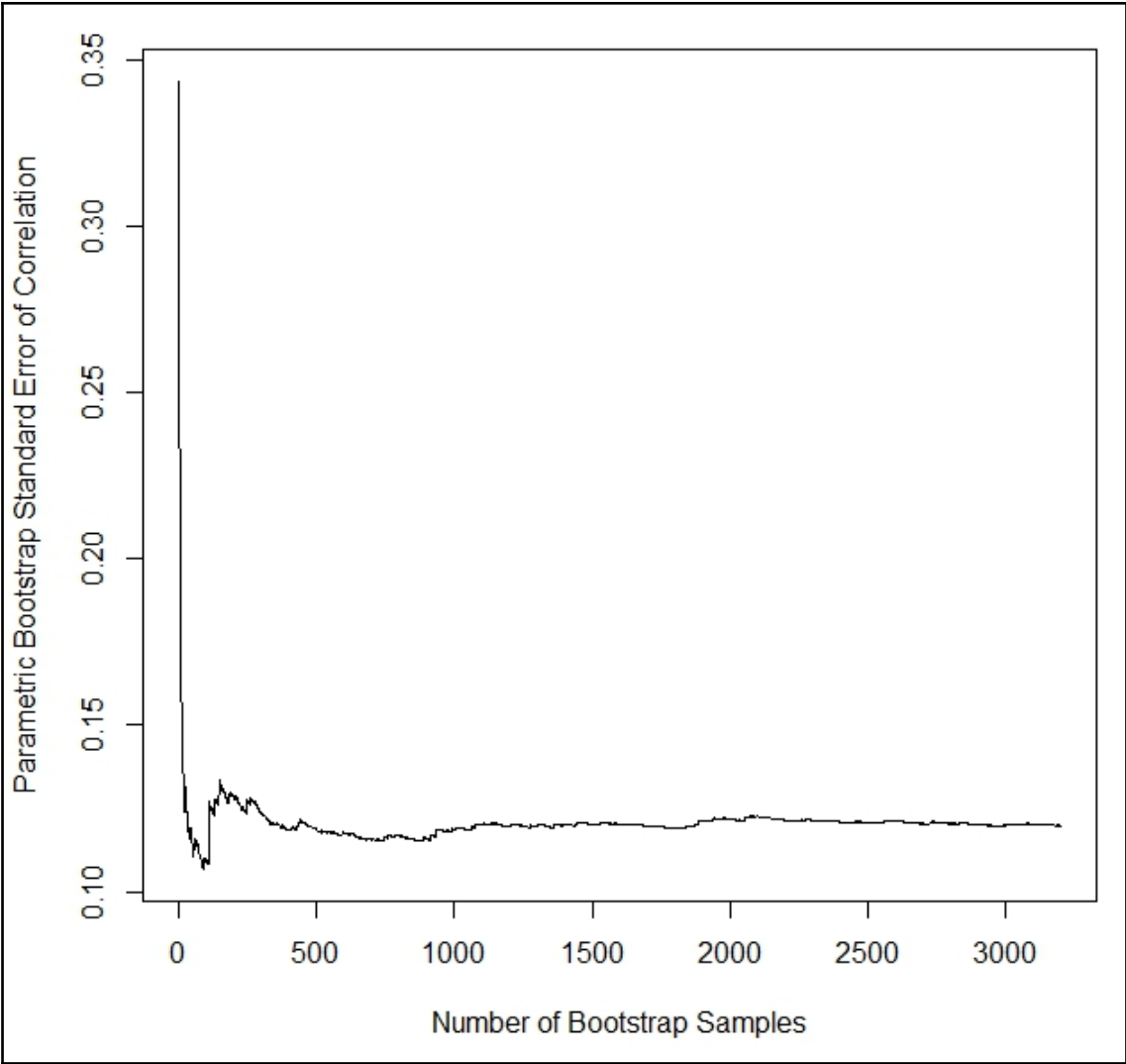
Dataset/ Model	Hypothyroid	Waveform	German	Iris	Pima Indian Diabetes
Neural Network	98.27%	88.40%	72.52%	100.00%	67.32%
Logistic Regression	97.33%	88.73%	75.72%	100.00%	75.10%
Naïve Bayes	97.33%	86.01%	80.83%	100.00%	78.21%
Decision Tree	98.74%	84.35%	70.61%	100.00%	75.88%
SVM	98.43%	91.71%	75.40%	100.00%	76.65%

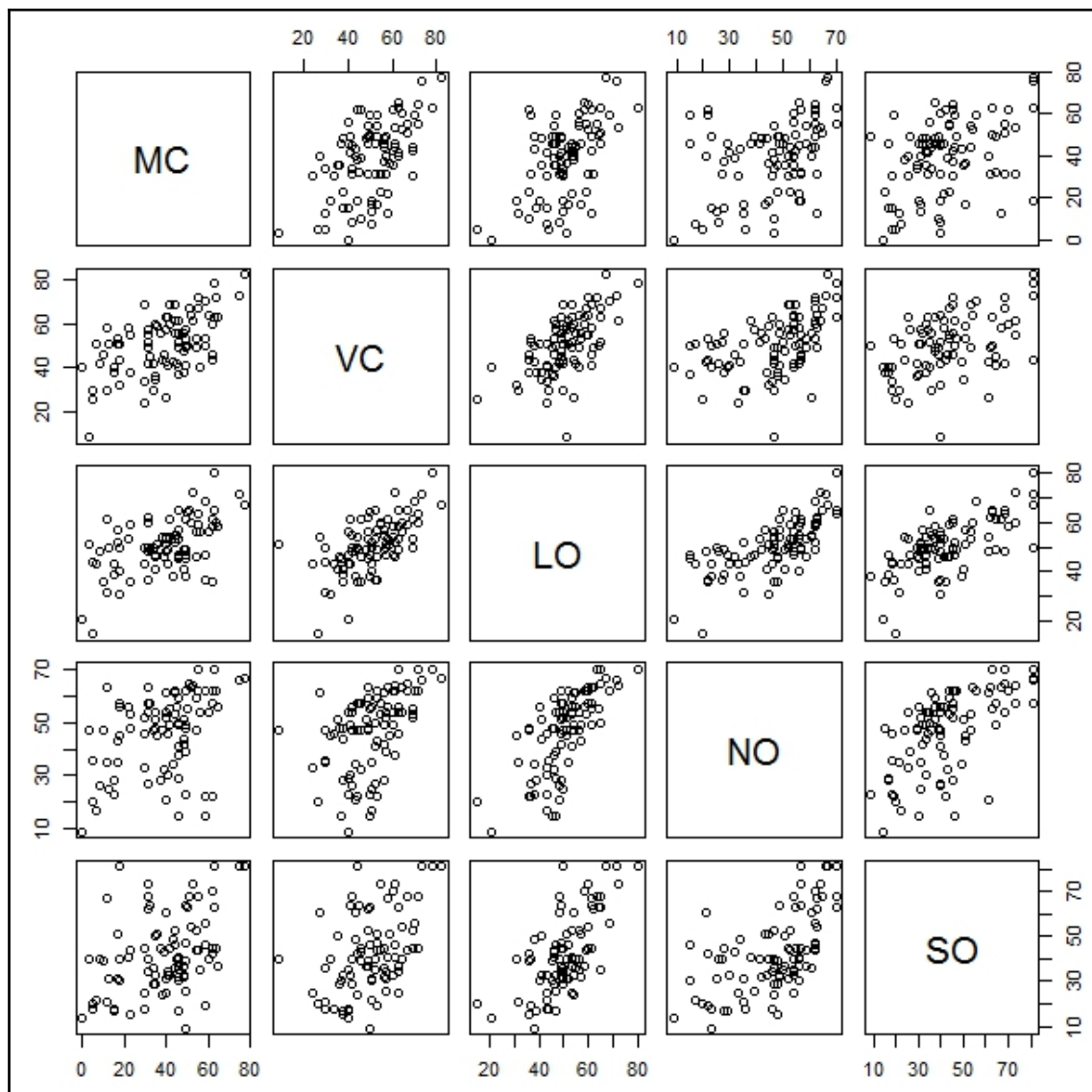
```
1 package is needed for this model and is not installed. (frbs). would you like to
try to install it now?
1: yes
2: no
selection: |
```

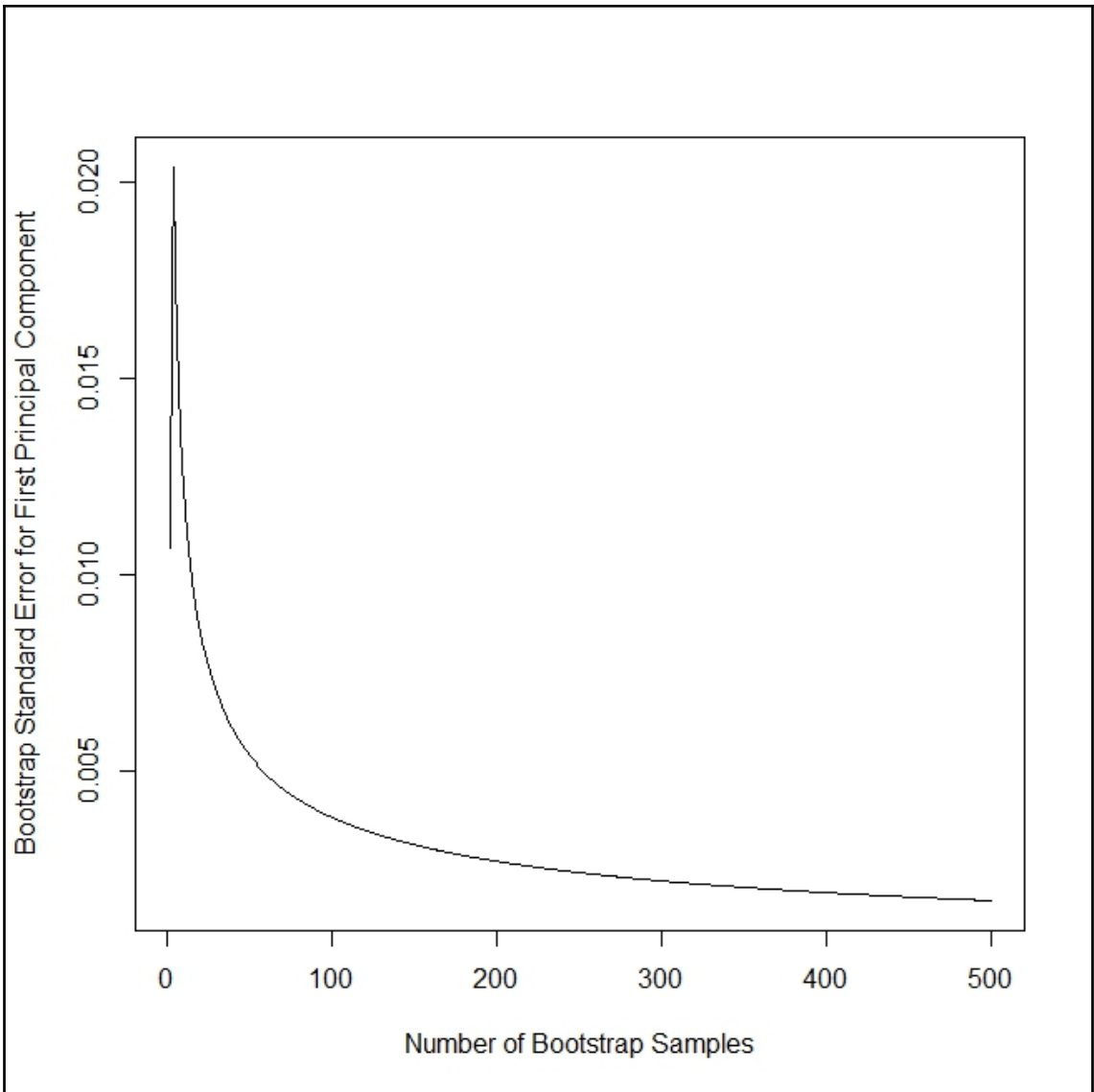
Chapter 2: Bootstrapping



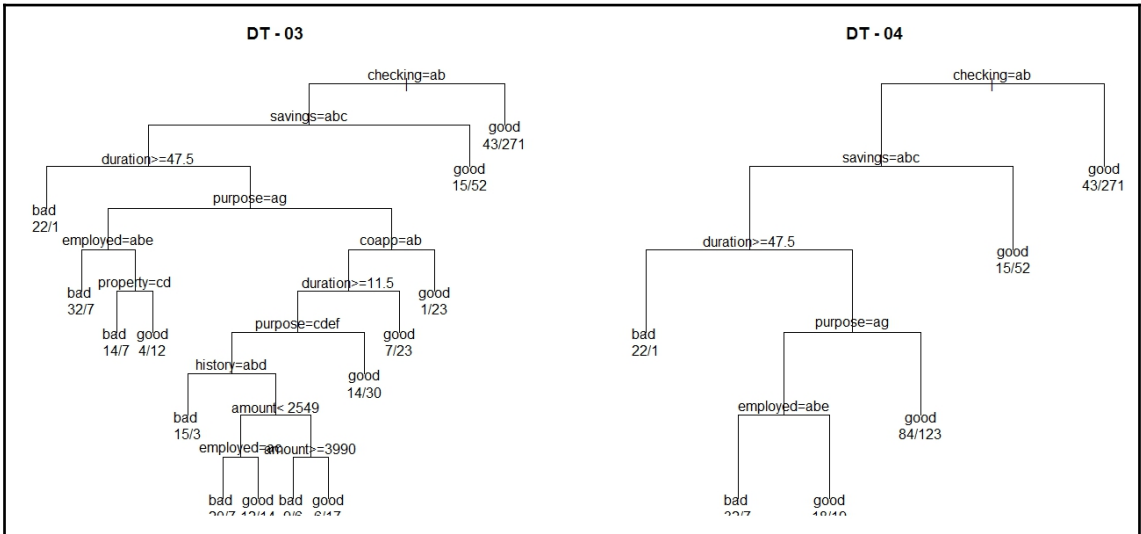
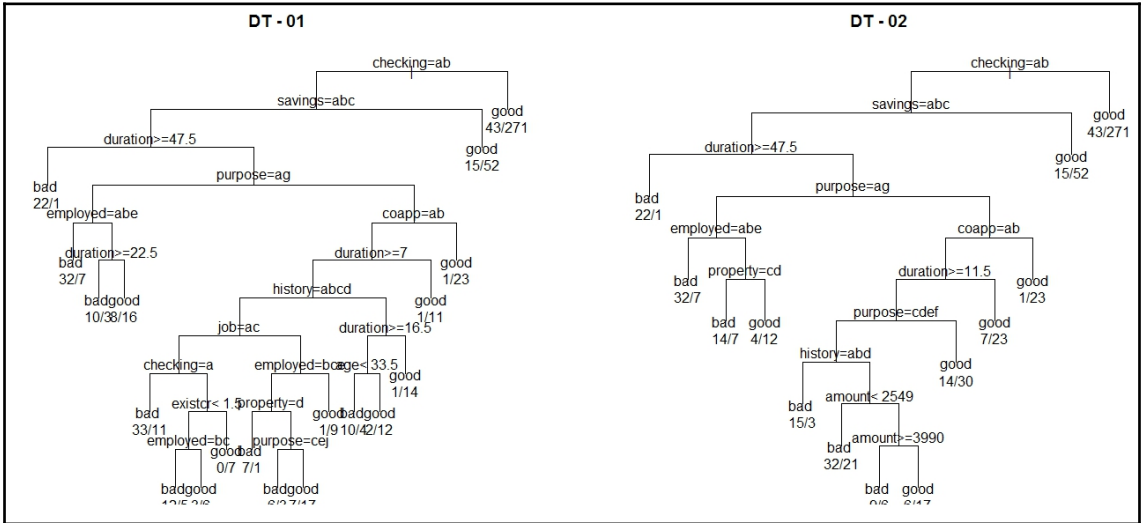


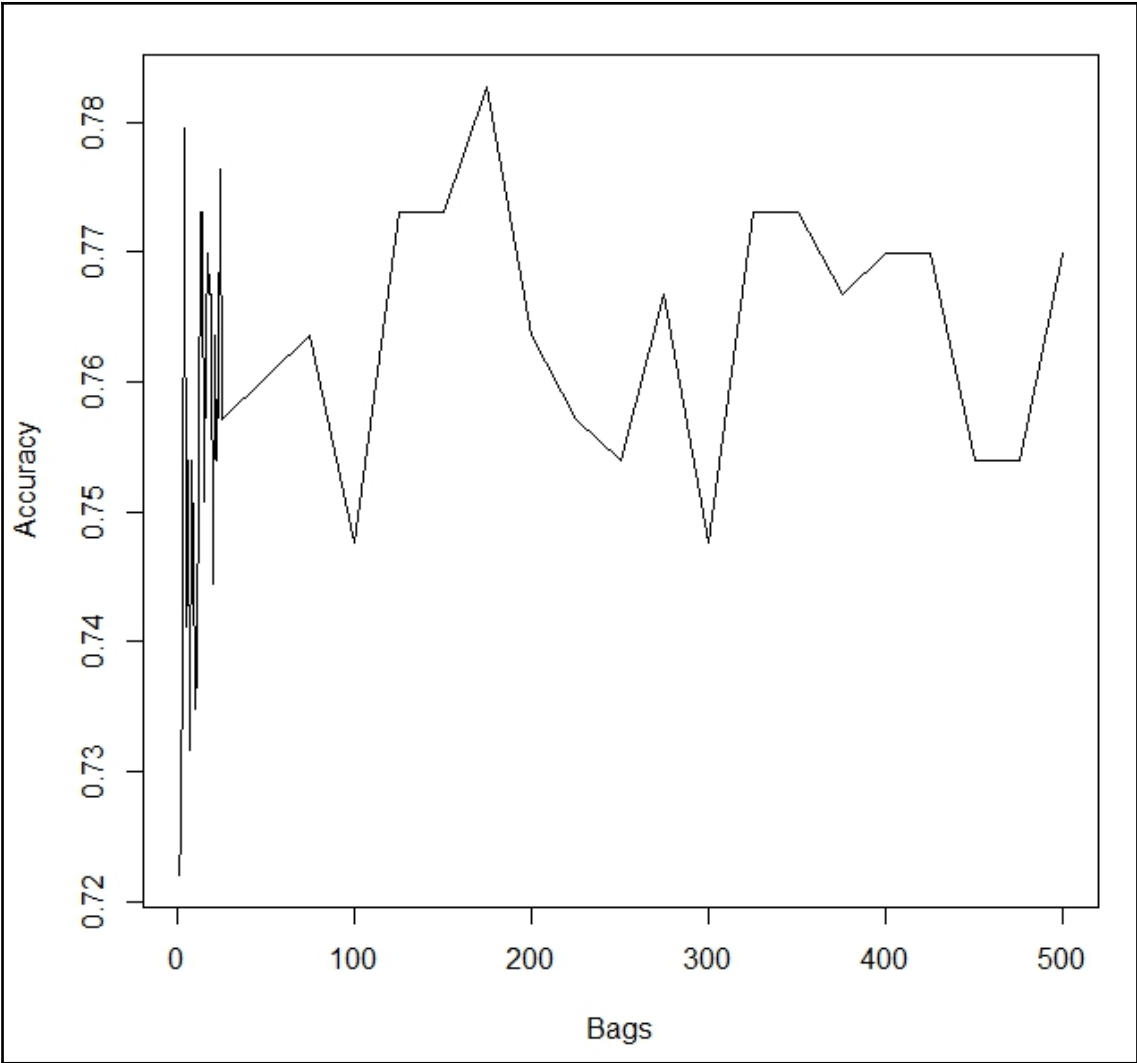


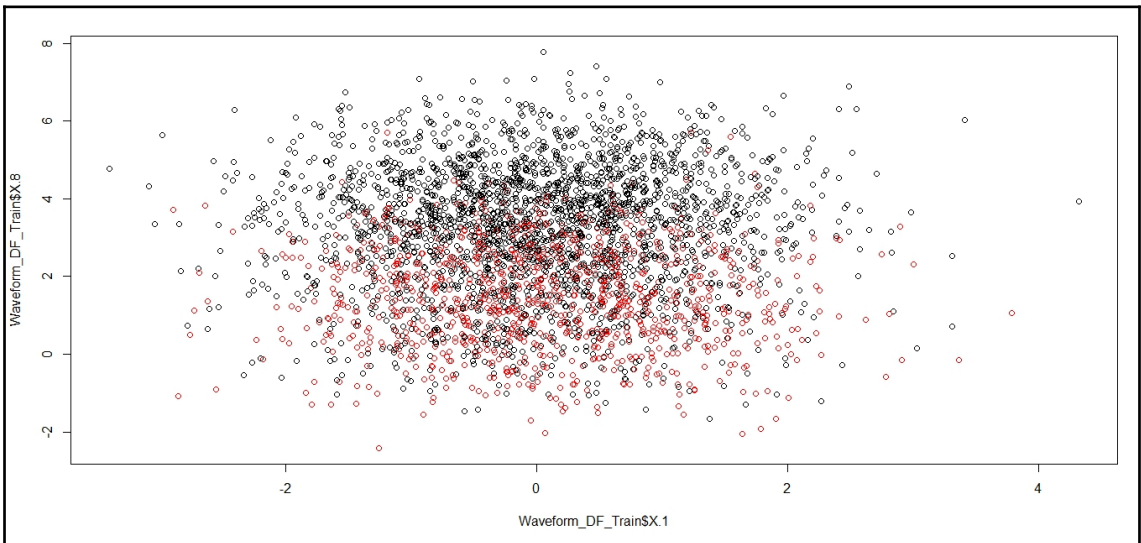
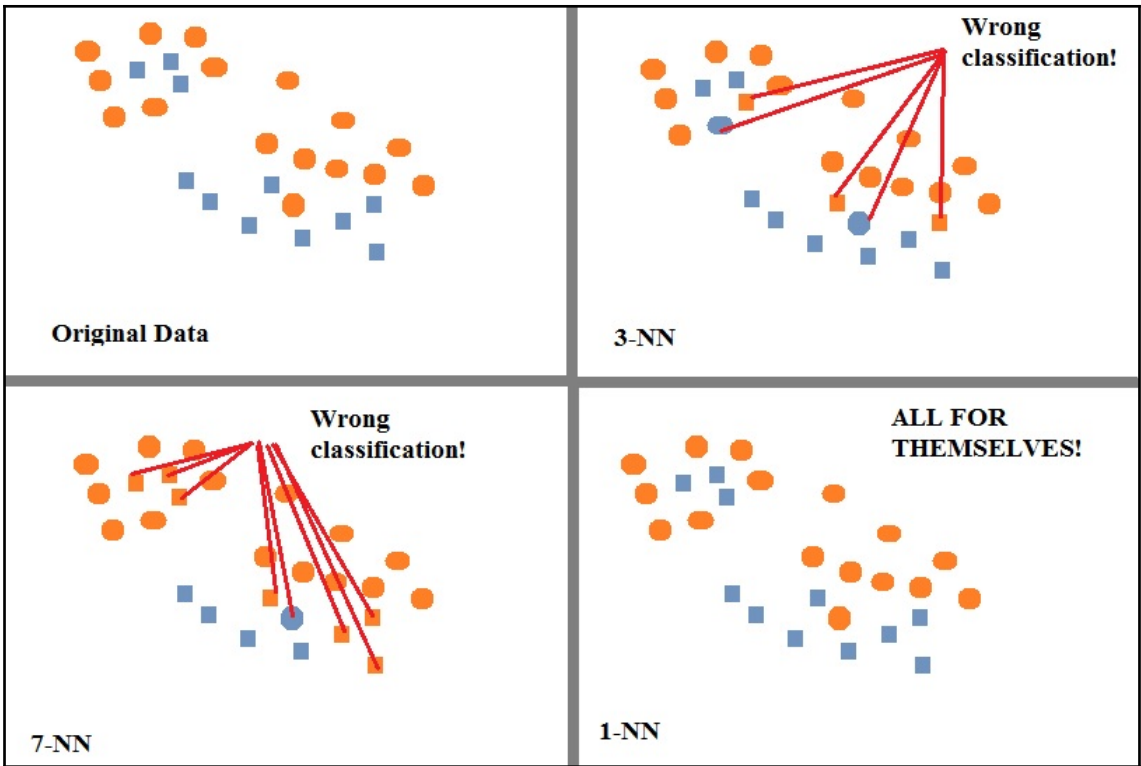


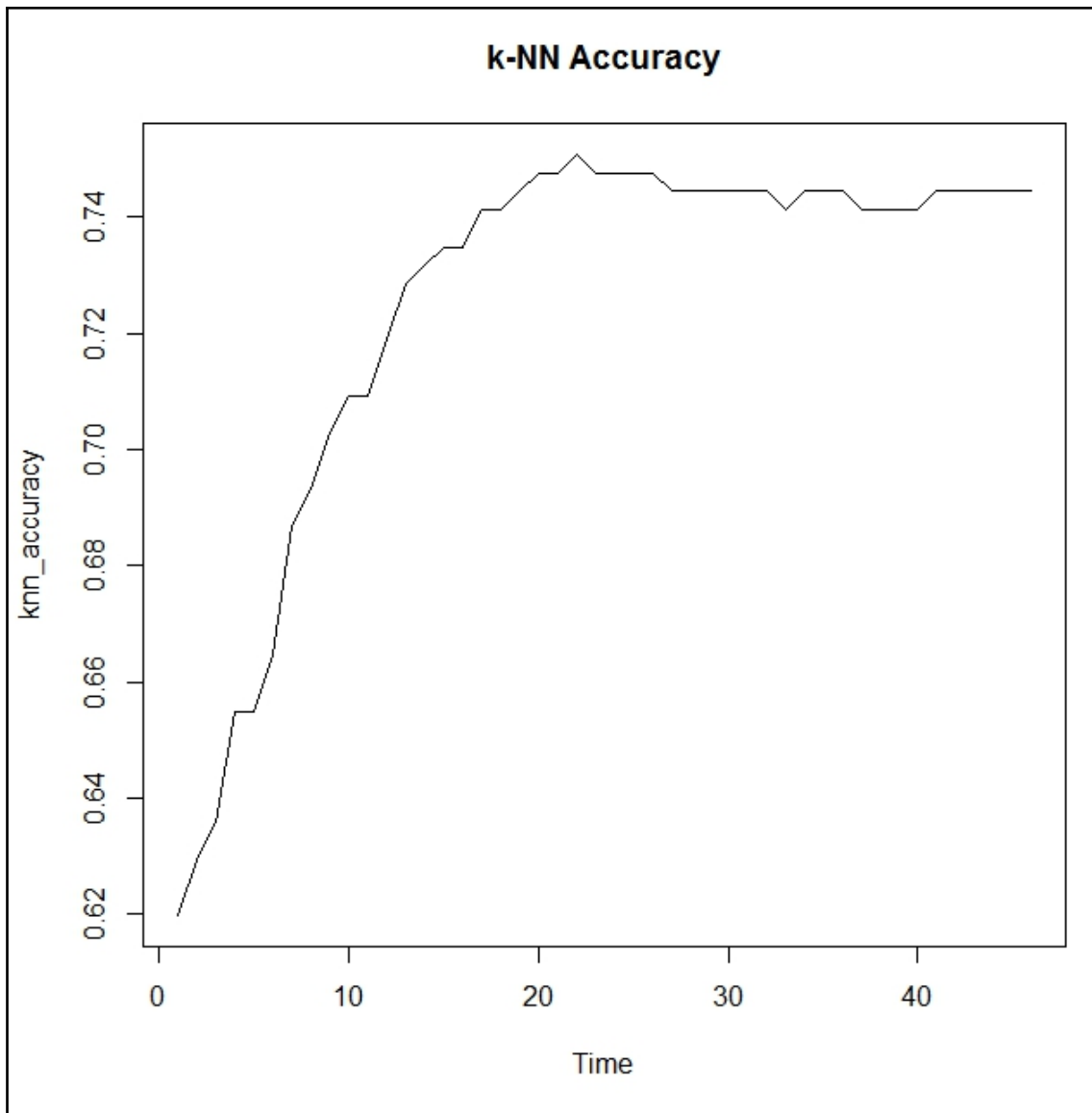


Chapter 3: Bagging

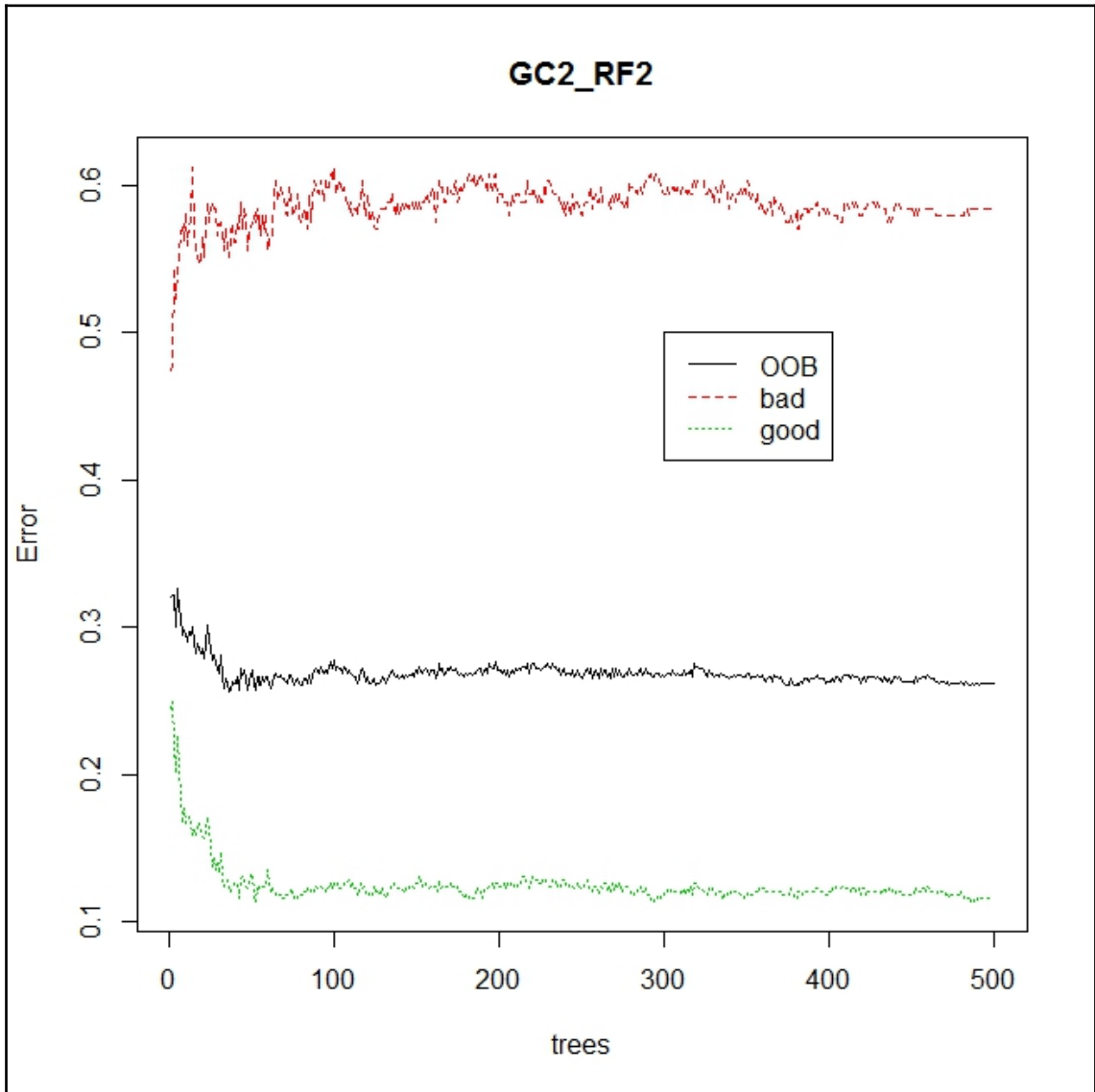


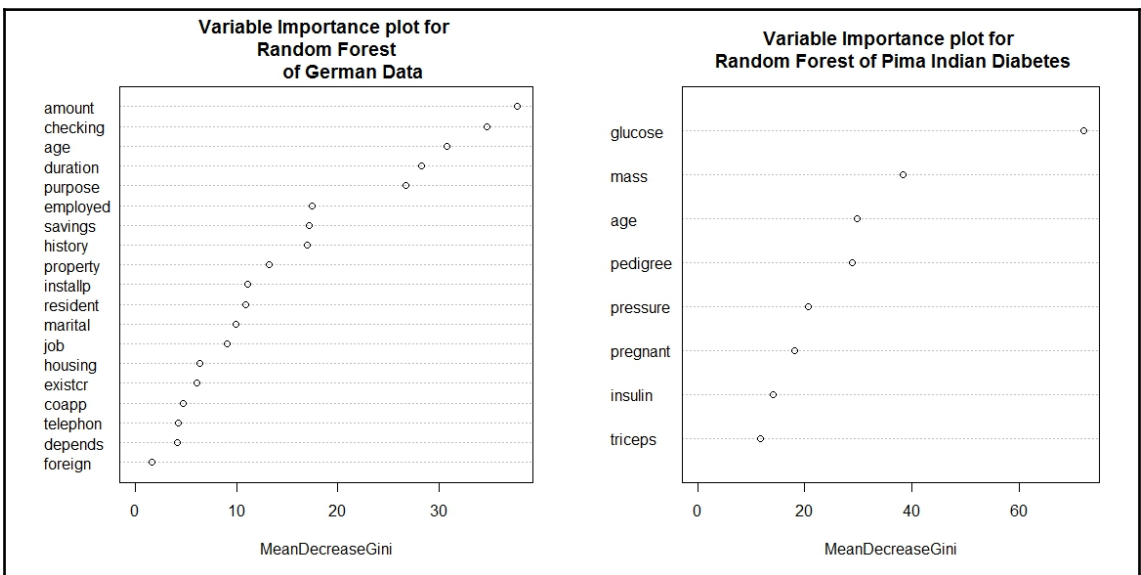
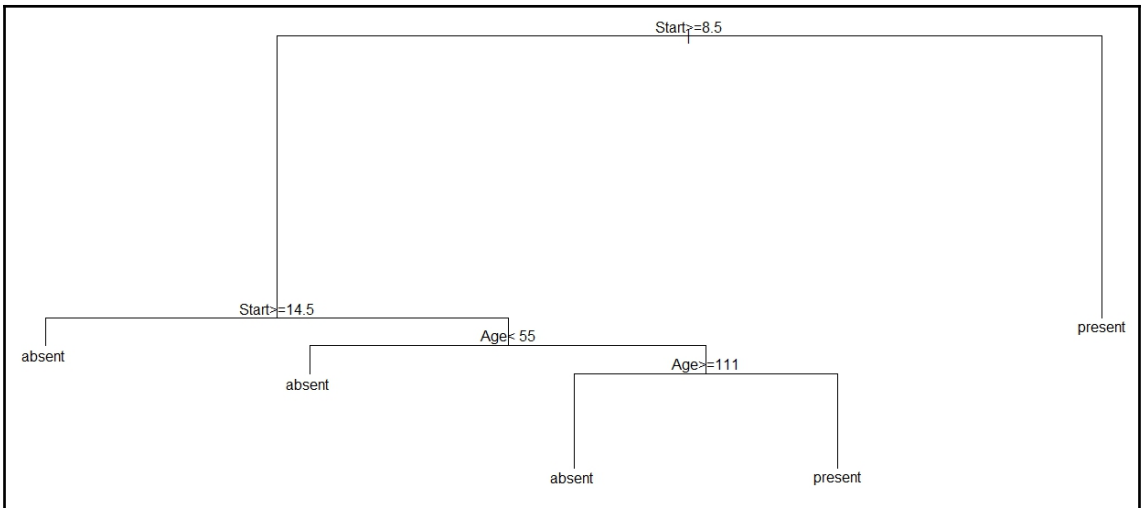


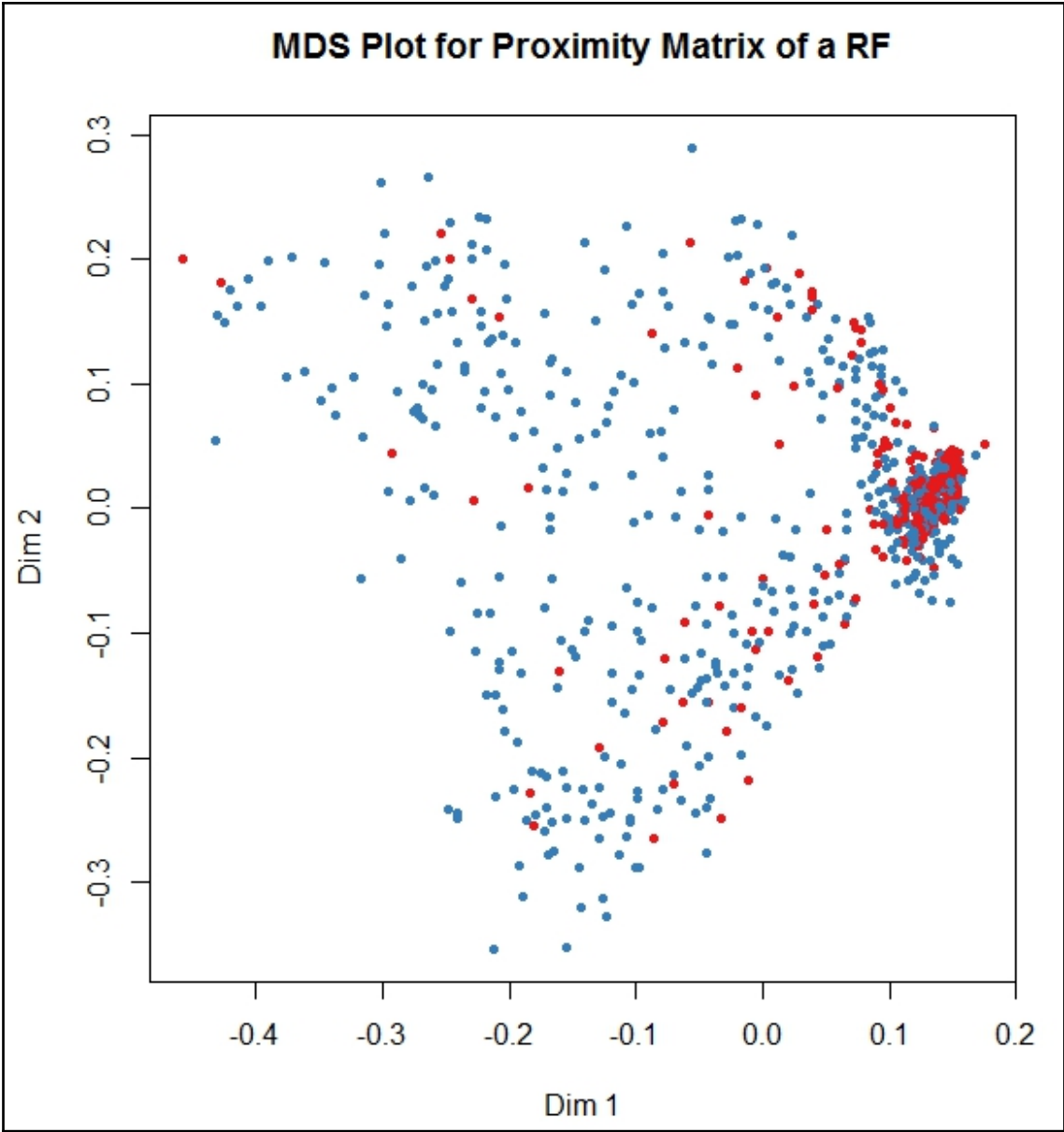


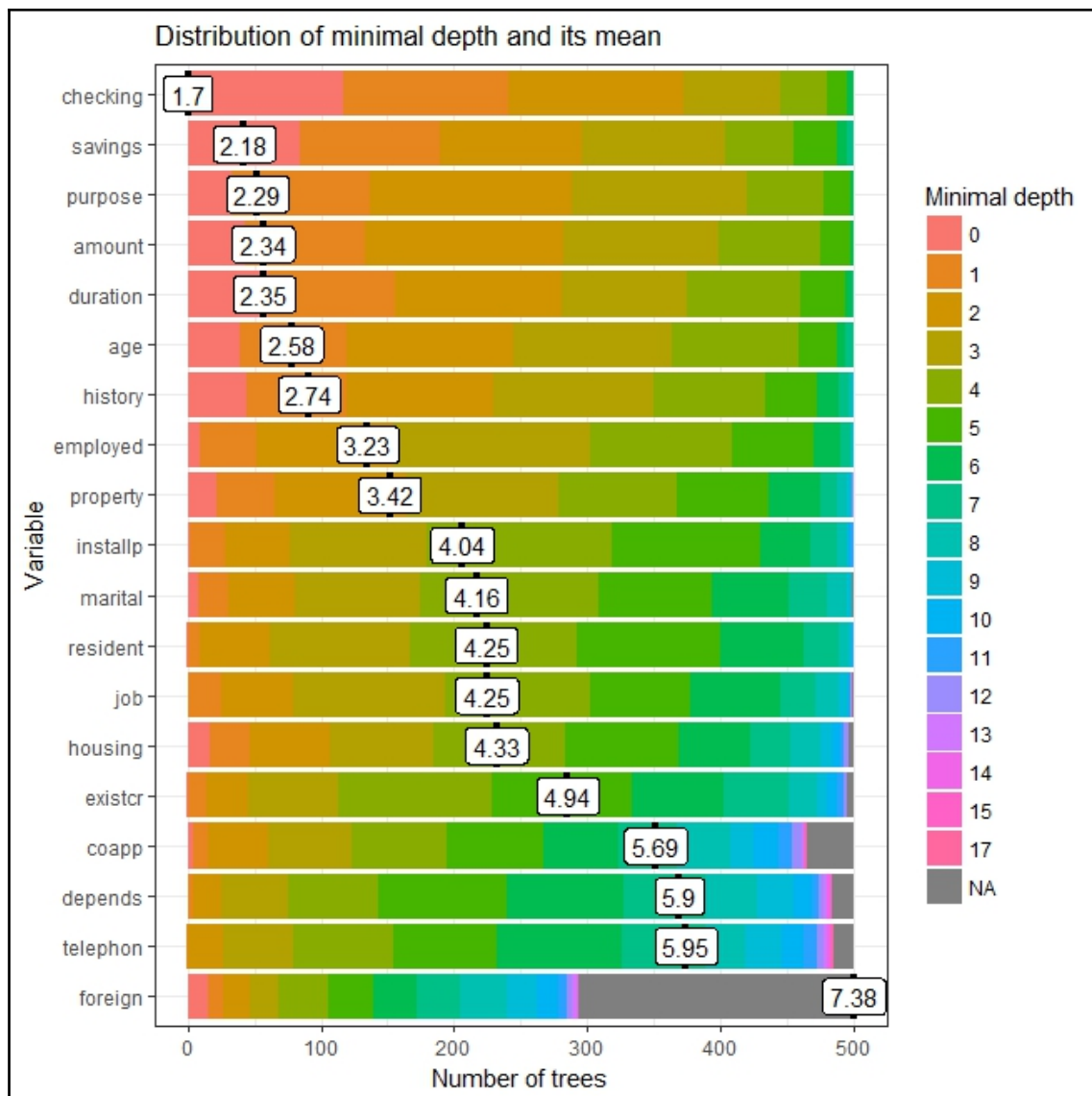


Chapter 4: Random Forests



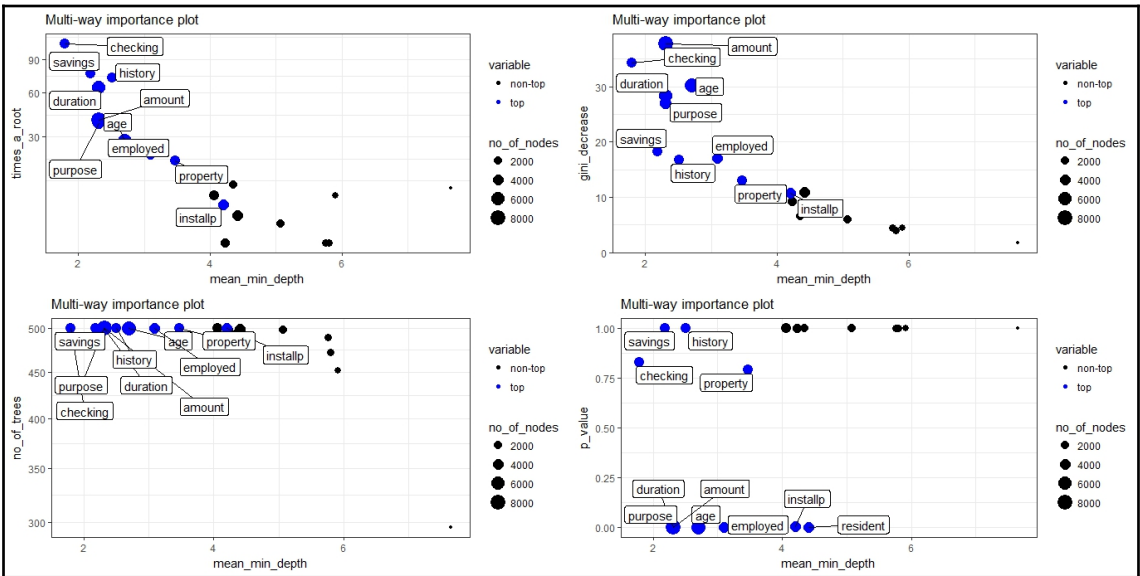


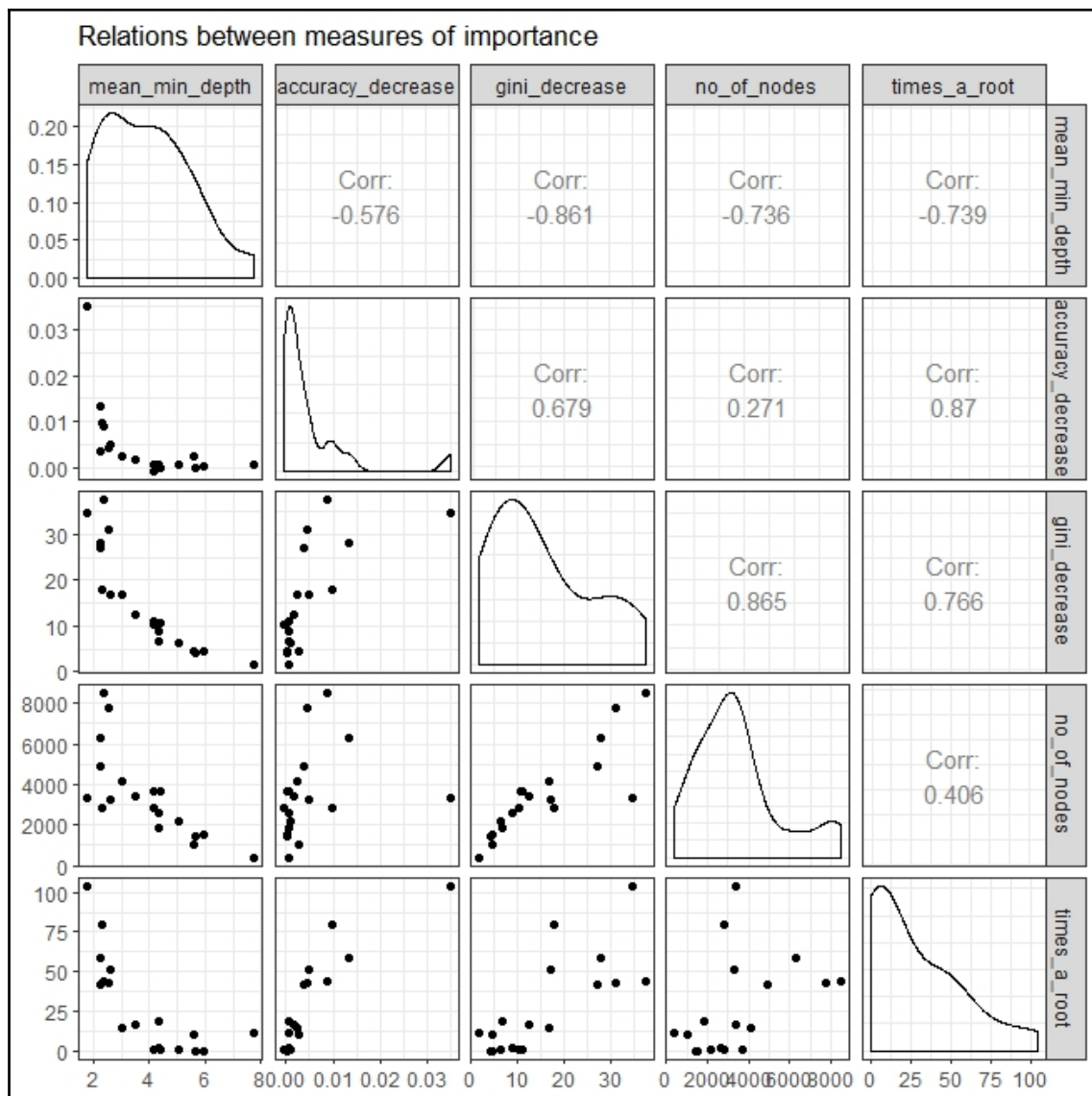


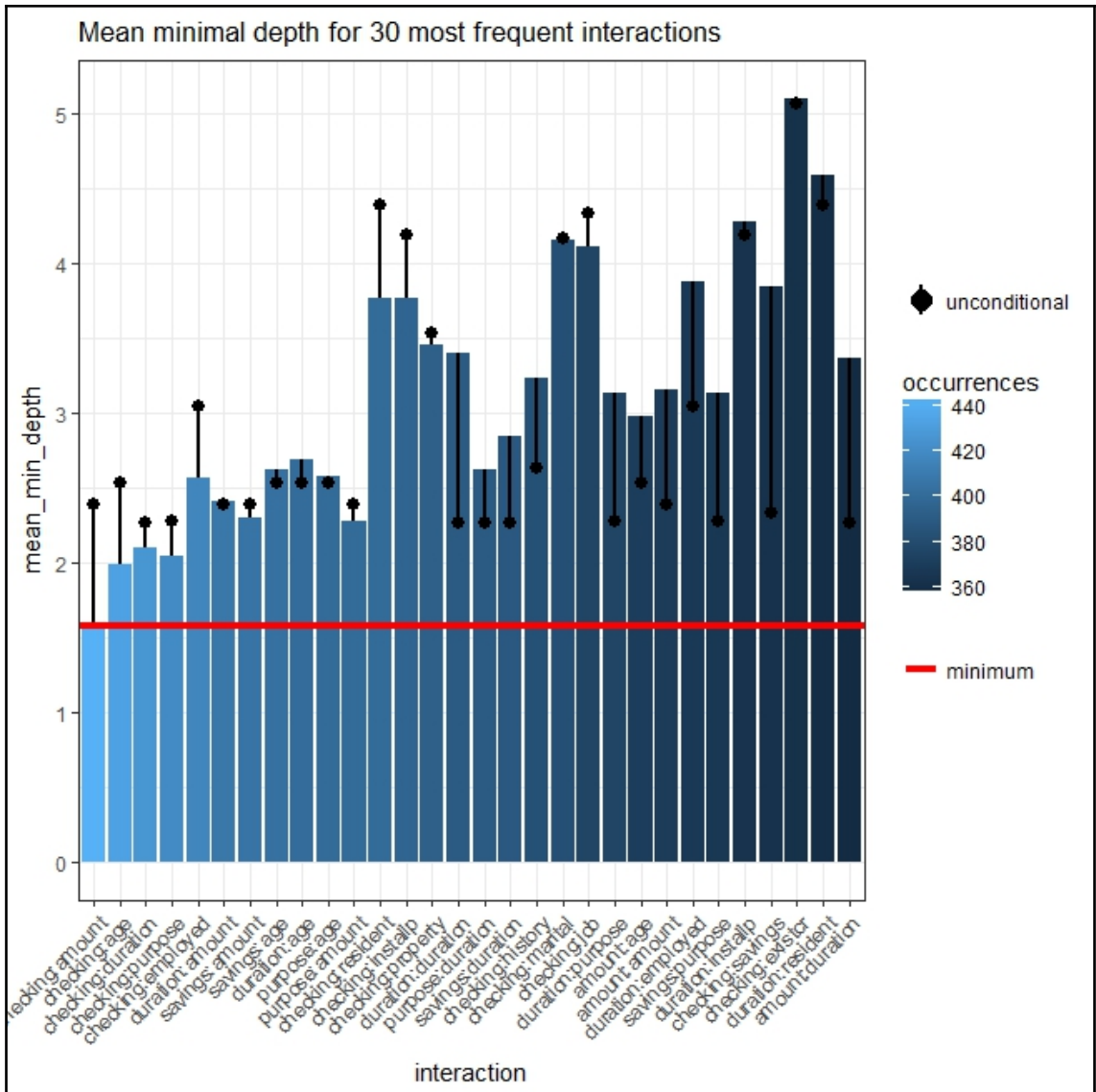


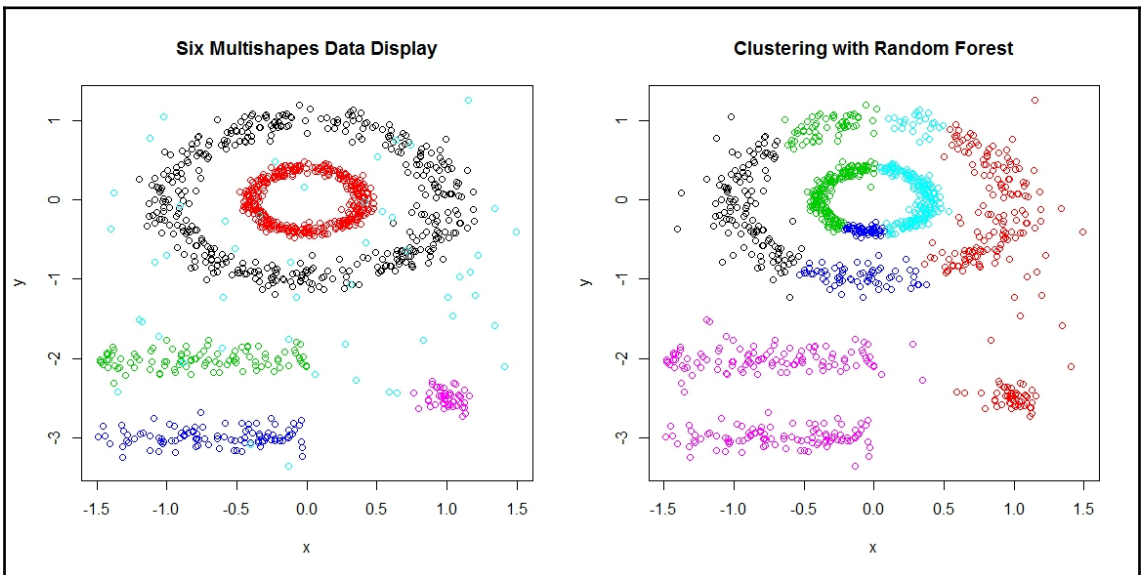
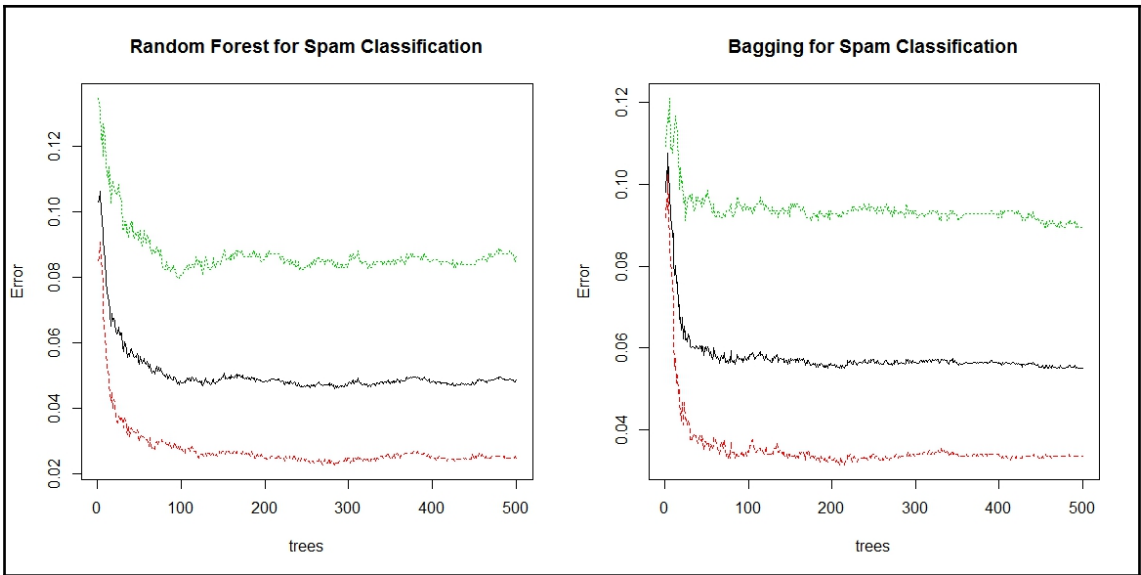

```
> GC2_RF4_VIM
```

	variable	mean_min_depth	no_of_nodes	accuracy_decrease	gini_decrease	no_of_trees	times_a_root	p_value
1	age	2.5	7750	0.00455	31.2	500	43	0.0e+00
2	amount	2.4	8512	0.00890	37.7	500	44	0.0e+00
3	checking	1.8	3347	0.03490	34.6	500	104	9.8e-01
4	coapp	5.6	1009	0.00272	4.5	456	10	1.0e+00
5	depends	5.6	1461	0.00022	4.3	486	0	1.0e+00
6	duration	2.3	6319	0.01343	28.1	500	59	0.0e+00
7	employed	3.0	4147	0.00254	16.8	500	14	2.3e-31
8	existcr	5.1	2186	0.00084	6.2	499	1	1.0e+00
9	foreign	7.8	403	0.00067	1.6	300	11	1.0e+00
10	history	2.6	3290	0.00499	17.0	500	51	1.0e+00
11	housing	4.3	1845	0.00071	6.6	496	19	1.0e+00
12	installp	4.2	3699	0.00065	11.1	500	1	2.4e-05
13	job	4.3	2612	0.00061	9.0	500	2	1.0e+00
14	marital	4.2	2847	-0.00059	10.3	499	1	1.0e+00
15	property	3.5	3401	0.00180	12.6	500	17	8.6e-01
16	purpose	2.3	4930	0.00372	27.3	500	42	4.3e-129
17	resident	4.4	3684	0.00024	10.7	500	1	6.9e-05
18	savings	2.3	2820	0.00995	17.9	500	80	1.0e+00
19	telephon	5.9	1539	0.00034	4.6	487	0	1.0e+00

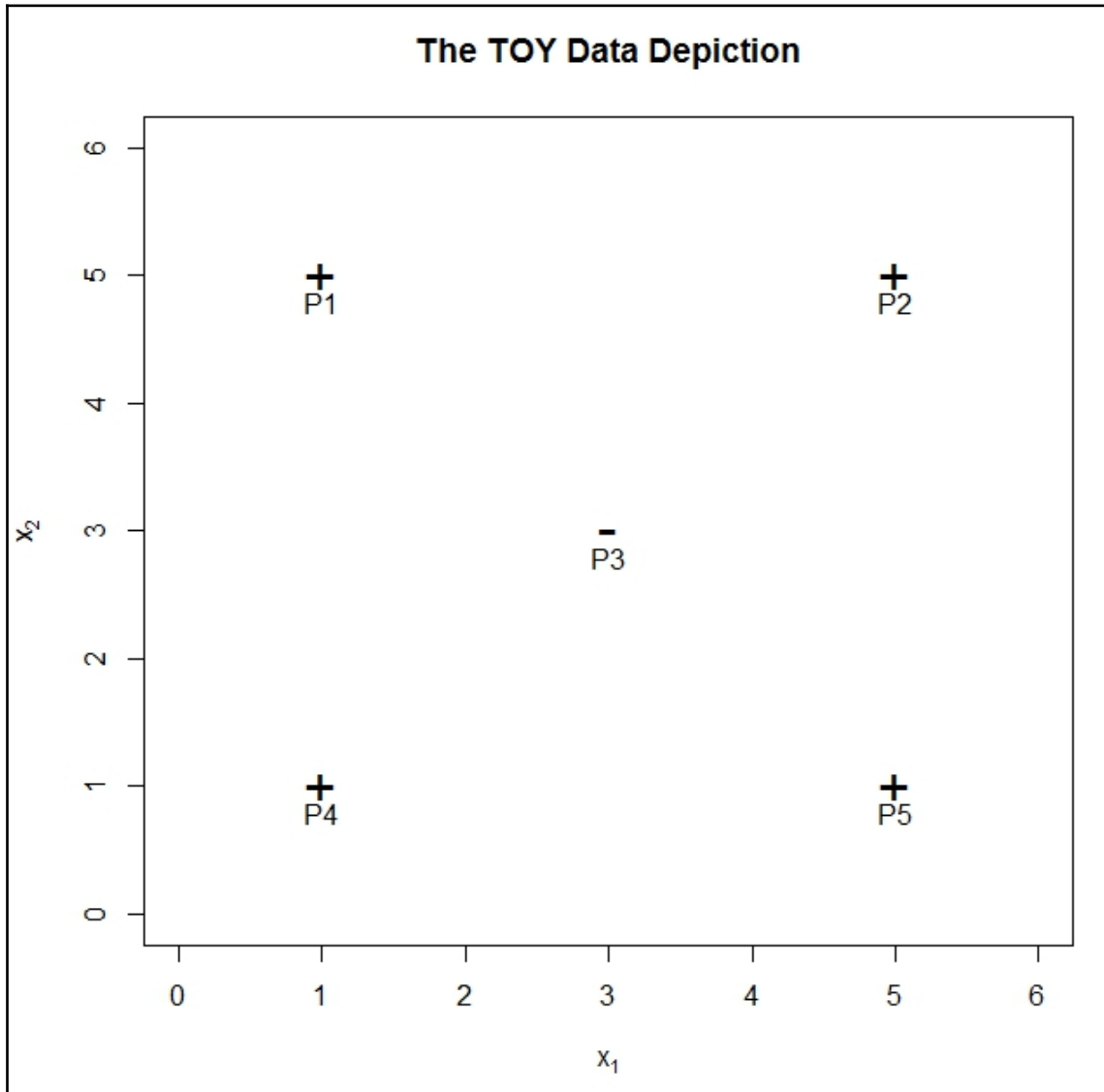


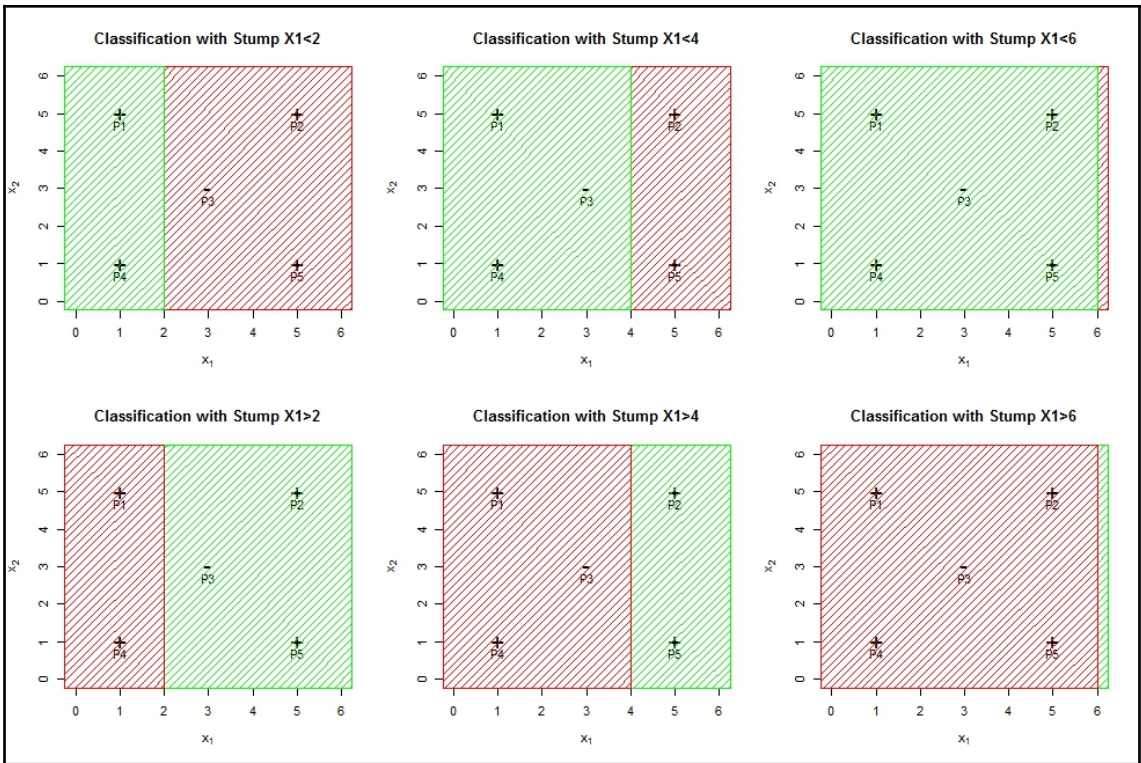


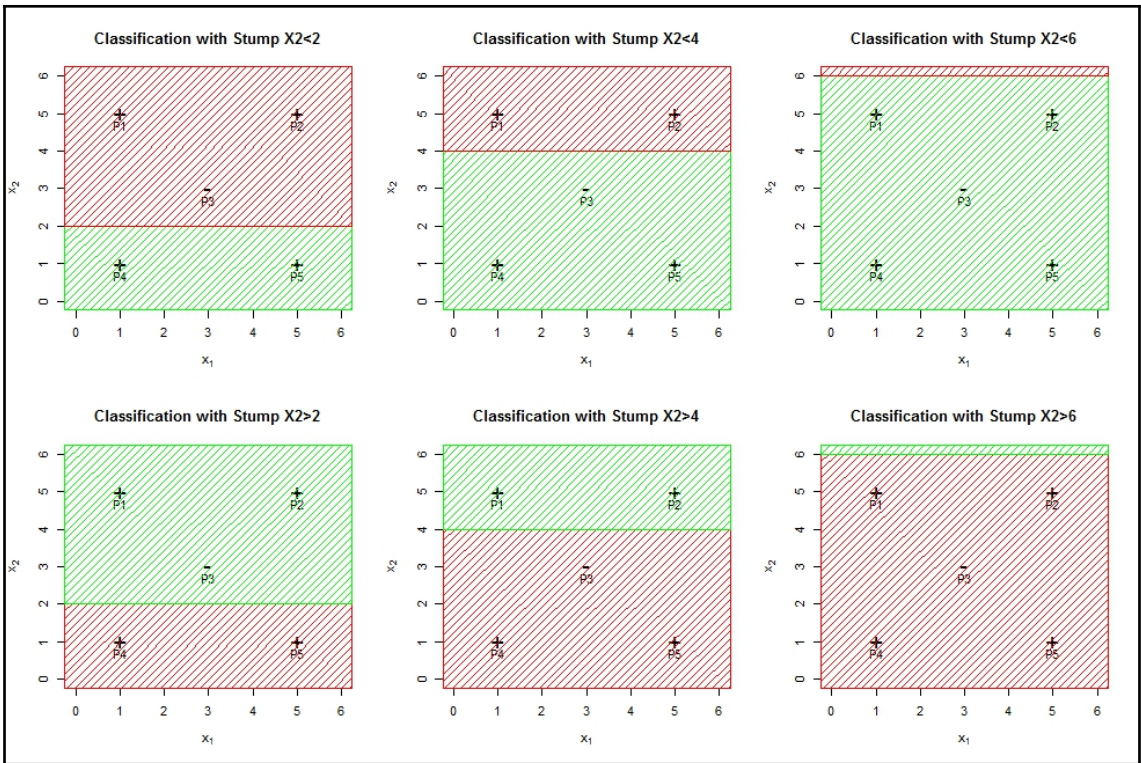


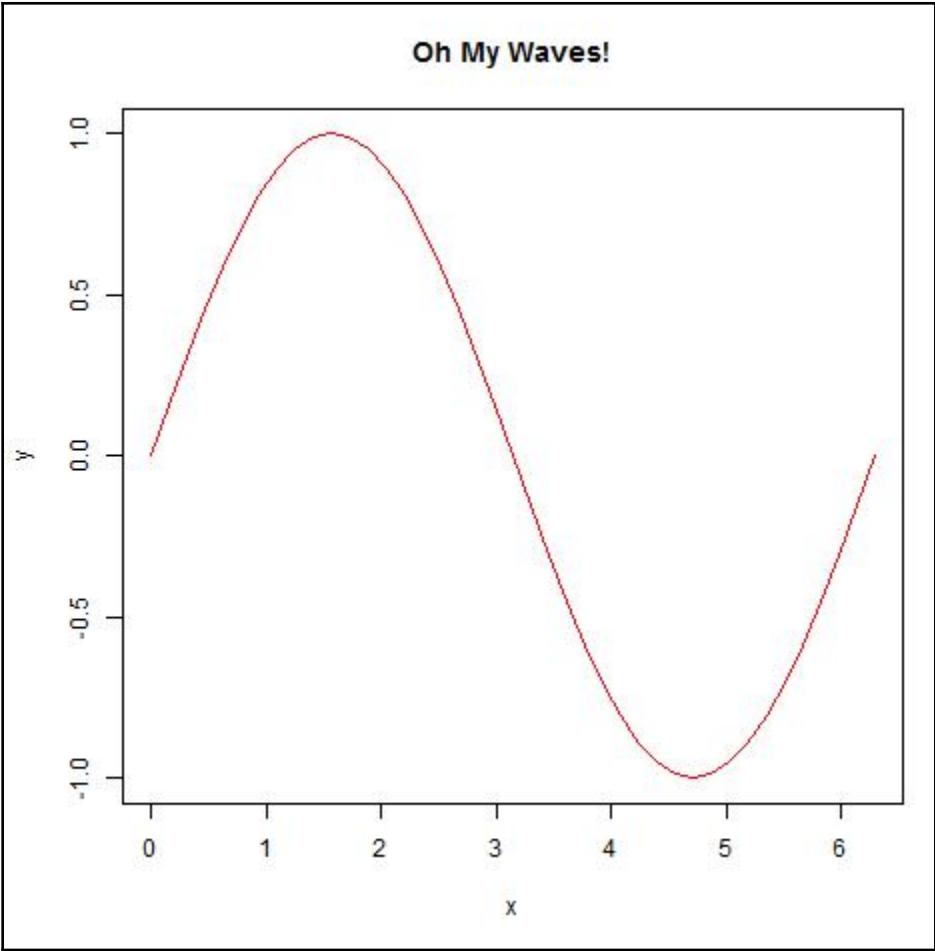


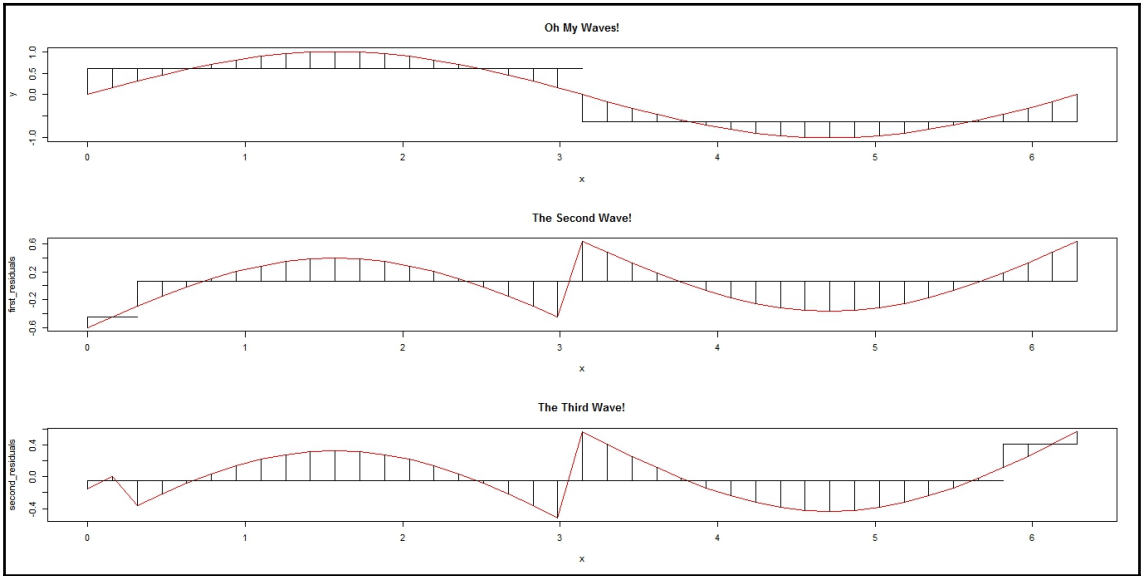
Chapter 5: The Bare Bones Boosting Algorithms

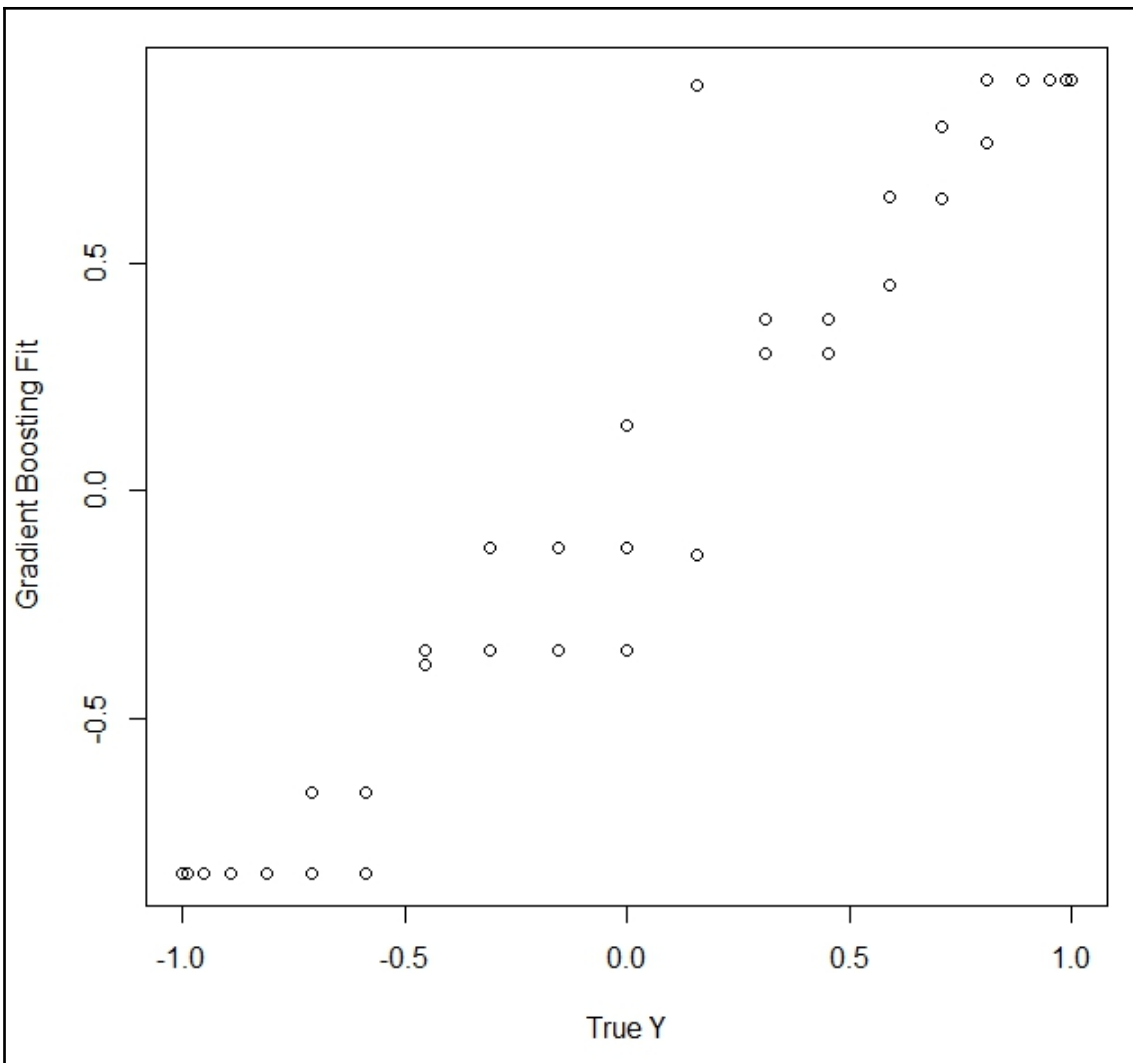


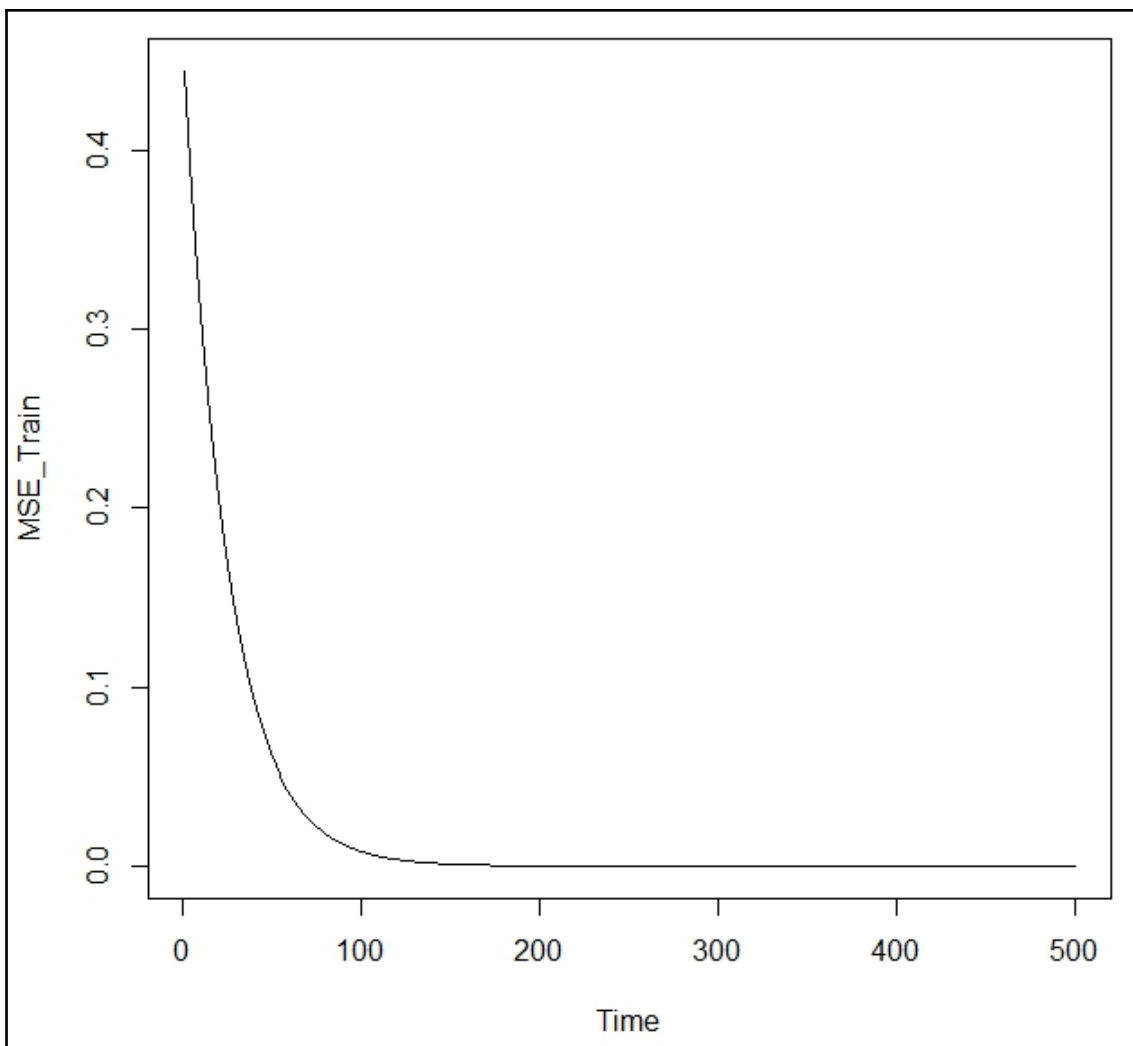






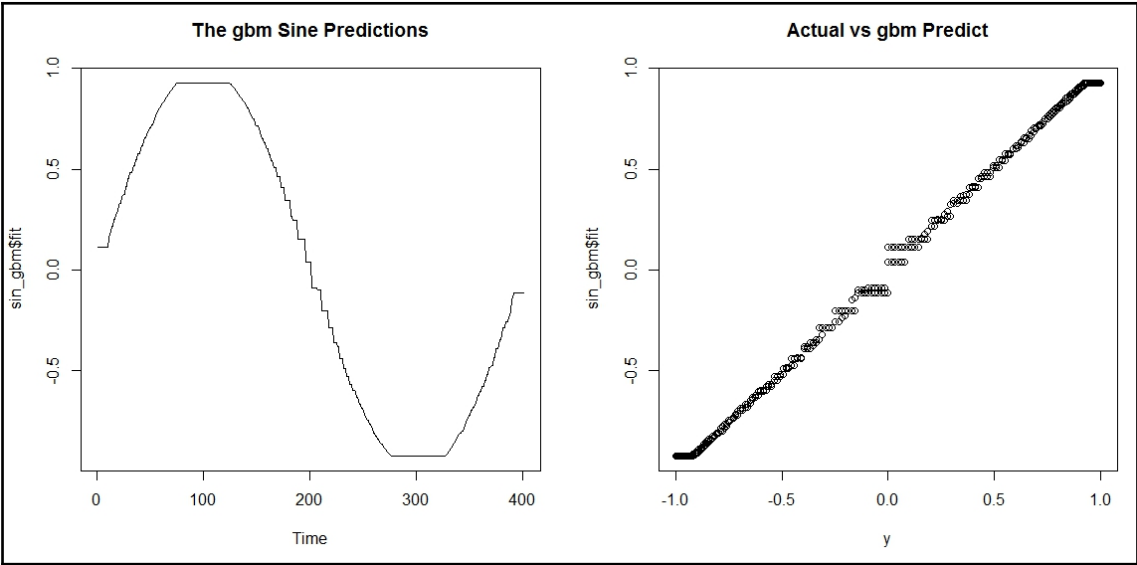






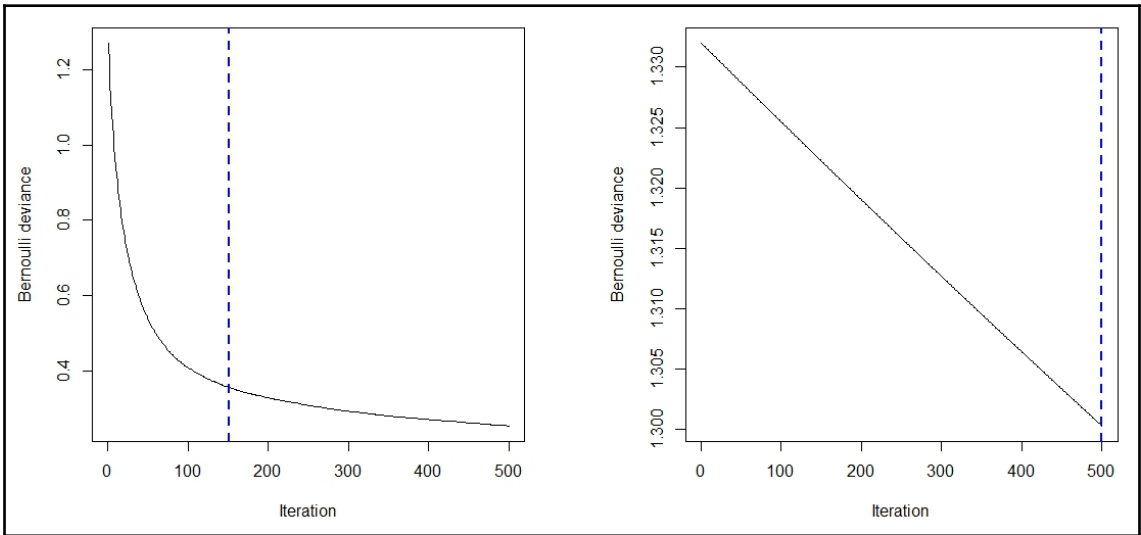
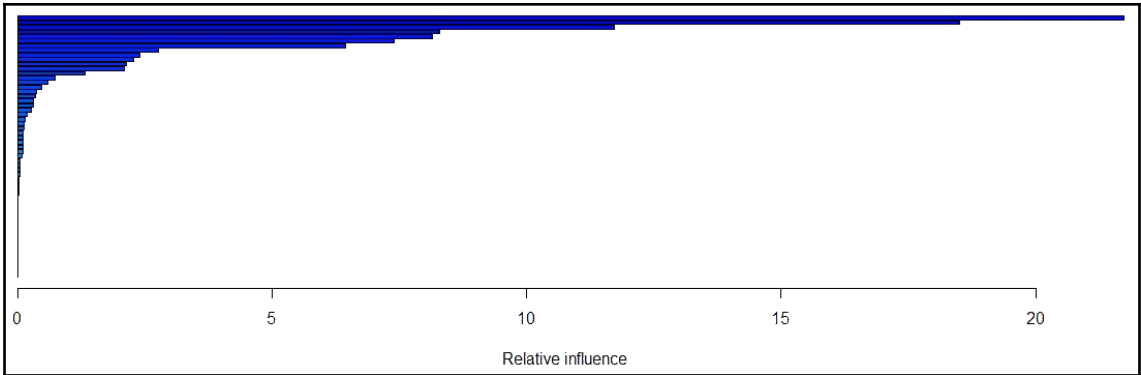
```
> boosting
function (formula, data, boos = TRUE, mfinal = 100, coeflearn = "Breiman",
  control, ...)

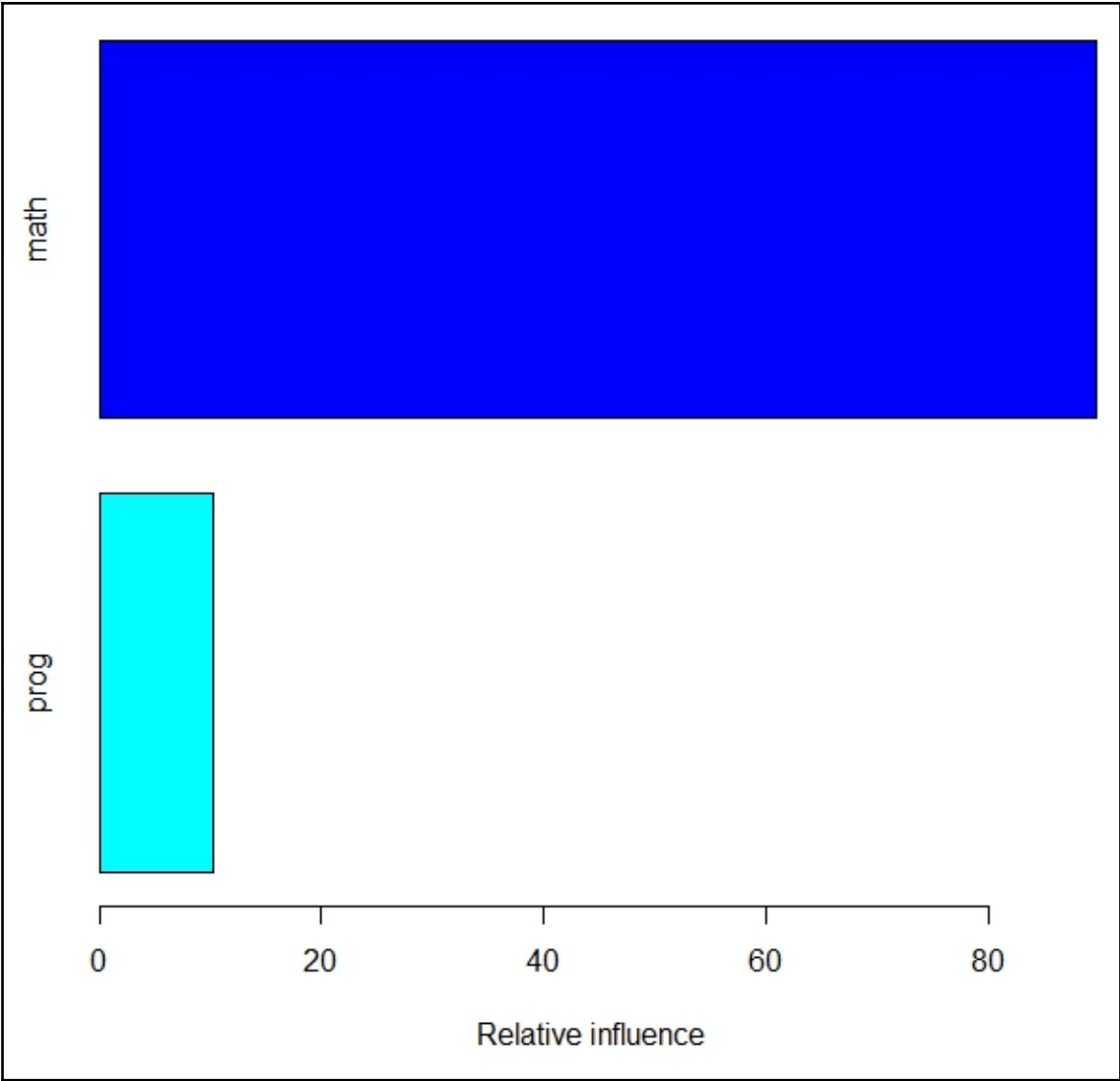
> gbm
function (formula = formula(data), distribution = "bernoulli",
  data = list(), weights, var.monotone = NULL, n.trees = 100,
  interaction.depth = 1, n.minobsinnode = 10, shrinkage = 0.001,
  bag.fraction = 0.5, train.fraction = 1, cv.folds = 0, keep.data = TRUE,
  verbose = "CV", class.stratify.cv = NULL, n.cores = NULL)
```

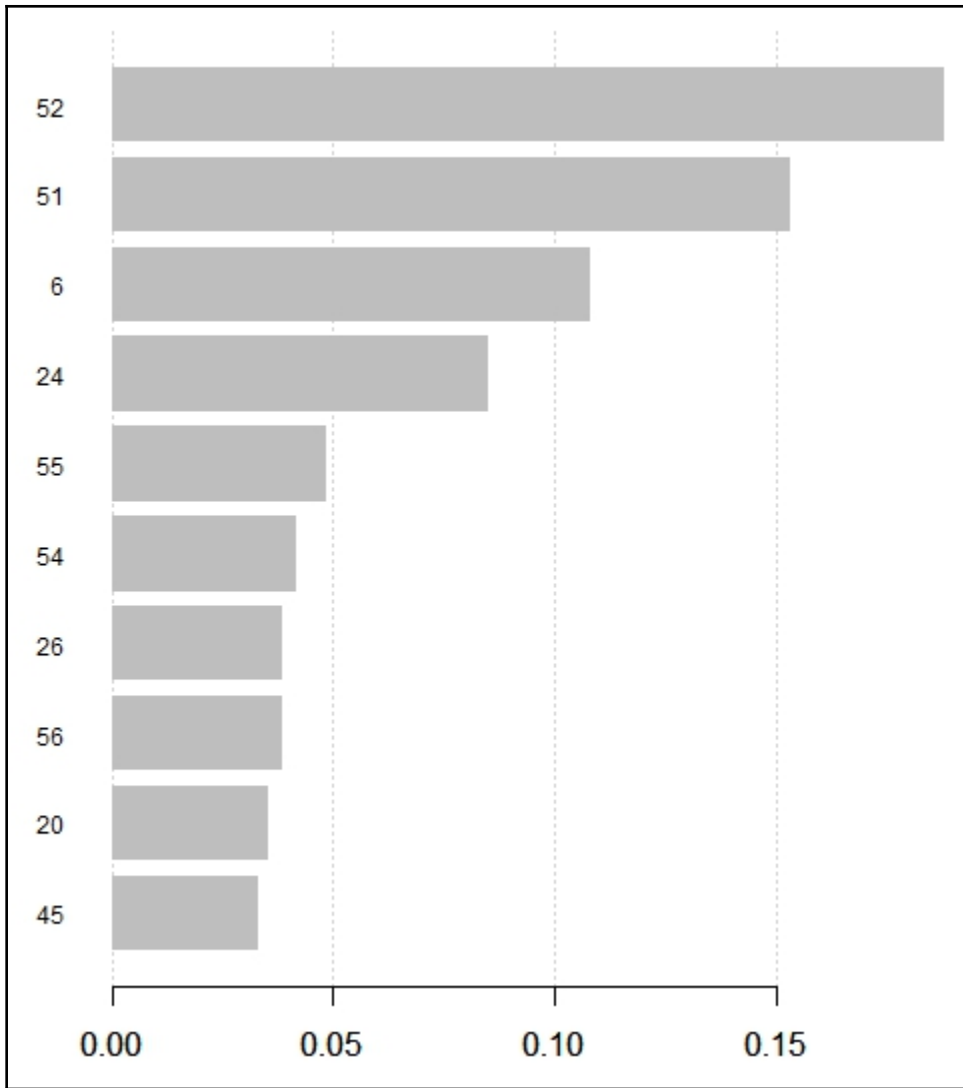


Chapter 6: Boosting Refinements

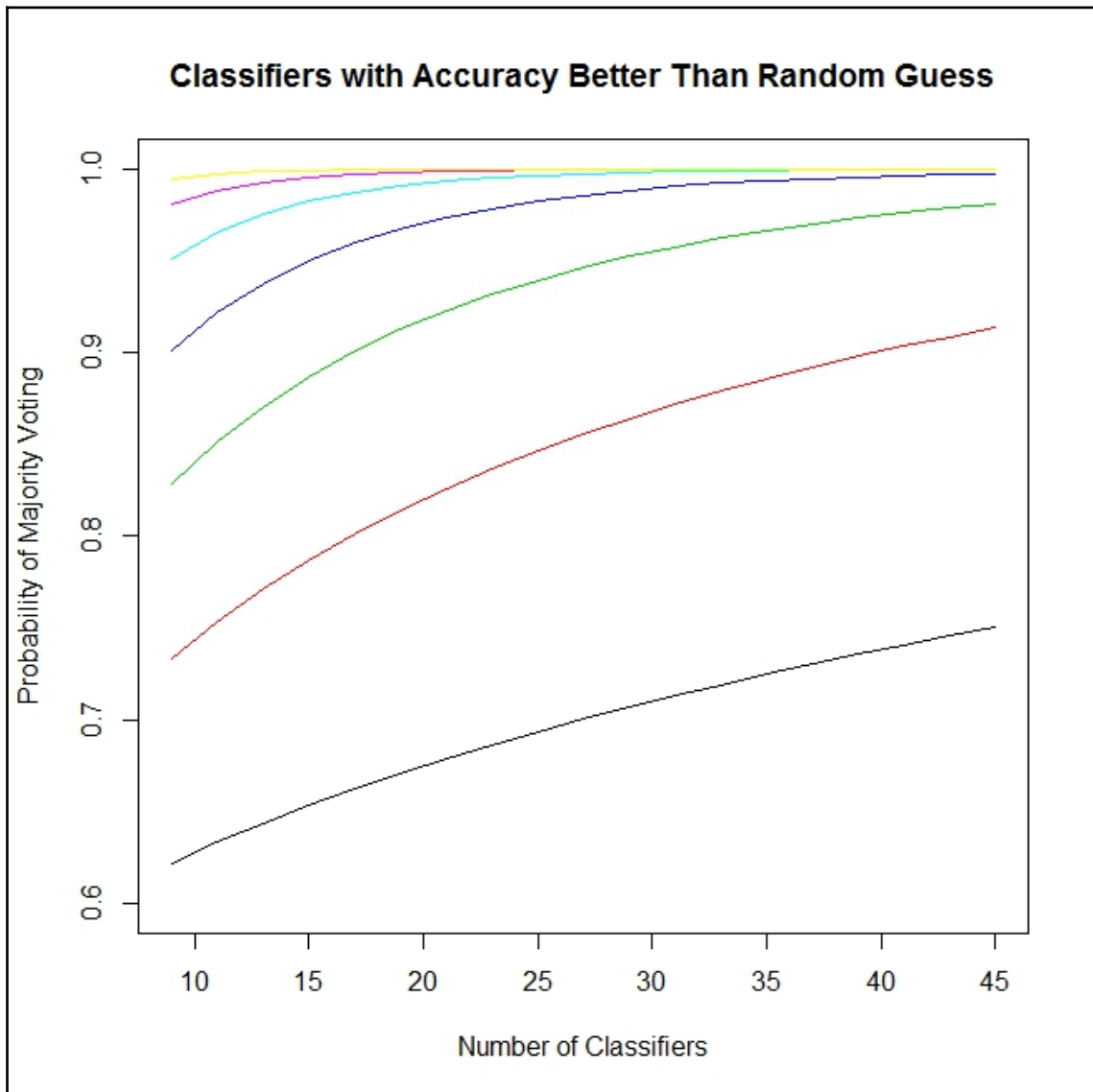
	mb1 ↕	mb2 ↕	mb3 ↕	mb4 ↕	mb5 ↕
1	-0.2375	0.30382	0.341887	0.3332	0.400
2	-0.2375	0.30382	0.341887	0.3332	0.368
3	-0.7479	-0.27177	0.072900	0.2614	0.317
4	-0.0146	0.52949	0.681289	0.5718	0.624
5	-0.6307	-0.17281	0.105200	0.2788	0.323
6	-0.6307	-0.15168	0.030059	0.2297	0.323
7	-0.1922	0.09987	0.161135	0.4676	0.368
8	-0.6069	-0.19883	0.081071	0.2535	0.326
9	-0.2375	0.00700	0.179740	0.2616	0.338
10	-0.2009	0.30655	0.333049	0.2877	0.354
11	-0.5702	0.02514	0.169440	0.3162	0.325
12	-0.2375	0.11115	0.295751	0.3105	0.351
13	-0.6307	-0.15168	0.009839	0.2310	0.339
155	-0.3786	-0.11153	0.066041	0.2508	0.329
156	-0.1922	-0.36783	0.009775	0.2550	0.323
157	-0.3181	0.18975	0.206236	0.2970	0.347
158	-0.1922	0.18975	0.184170	0.3522	0.343
159	-0.3181	-0.03722	0.235859	0.2496	0.356
160	-0.7479	0.20146	0.169046	0.3433	0.336
161	-0.3786	0.20146	0.307440	0.3752	0.353
162	-0.3181	-0.32505	0.130531	0.2373	0.340
163	-0.2009	0.67787	0.514666	0.5280	0.424
164	-0.3181	0.12438	0.130471	0.2513	0.357
165	-0.3786	0.26382	0.060728	0.2829	0.326

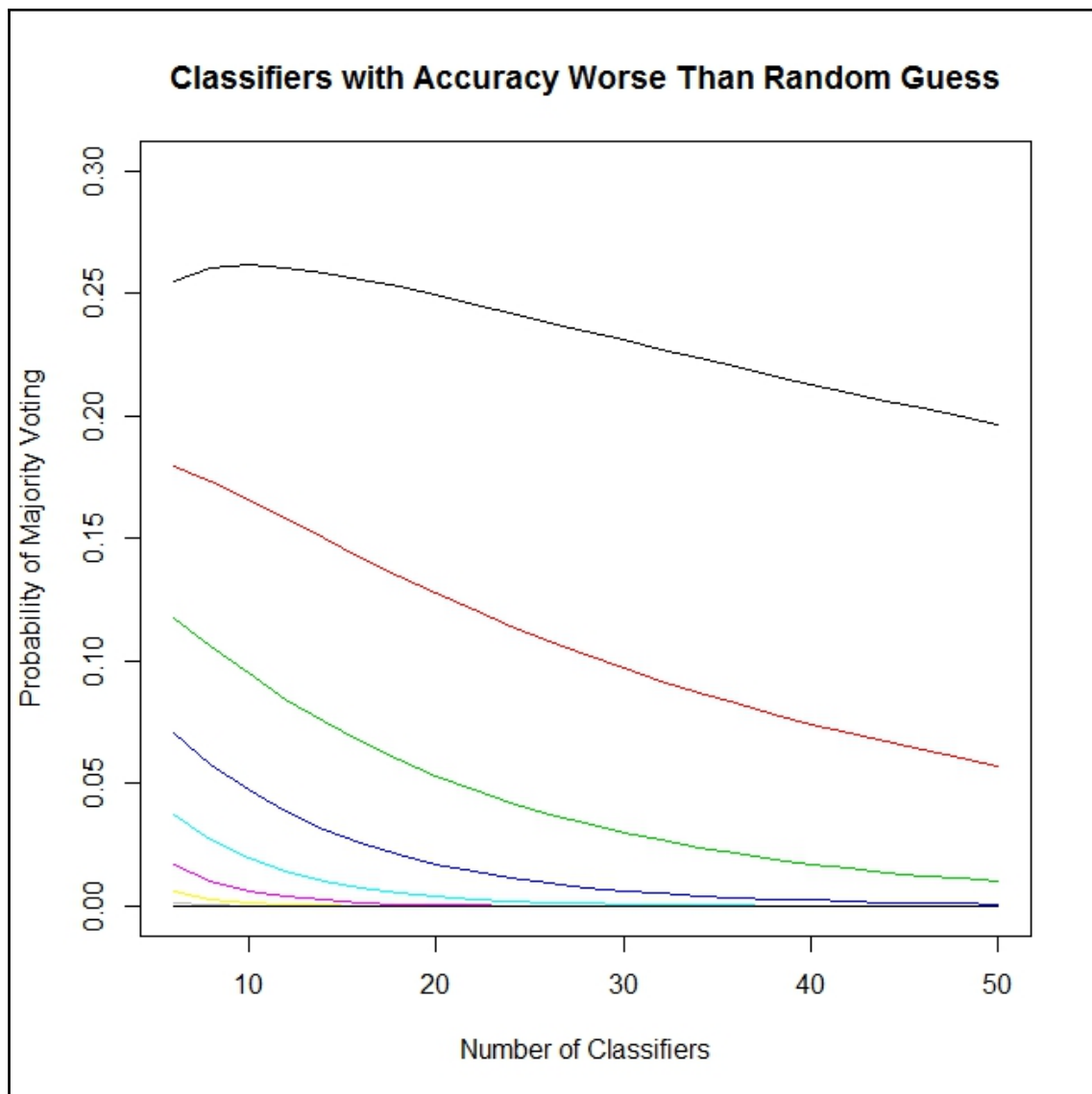


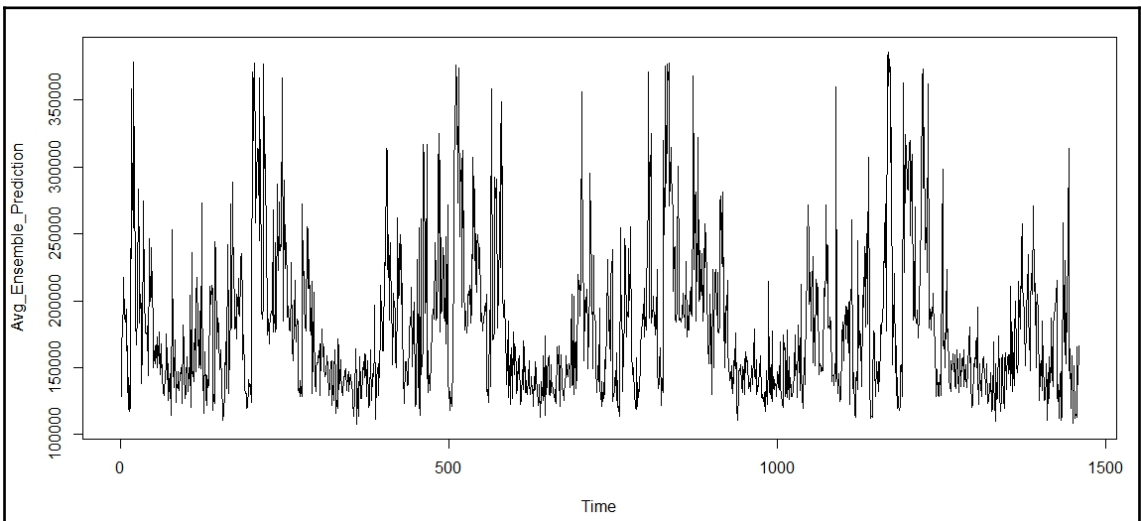
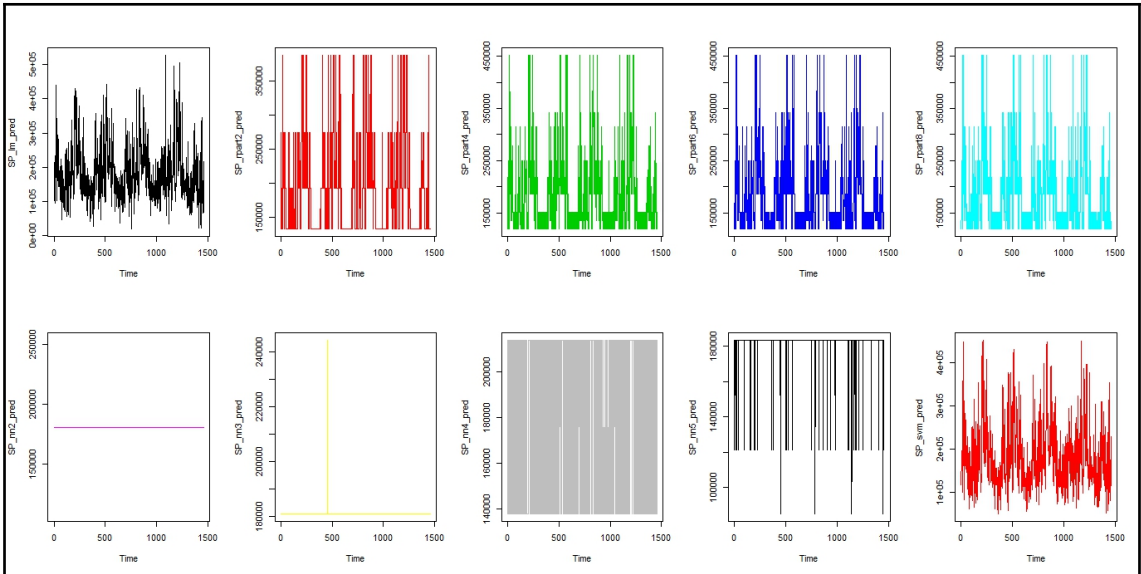


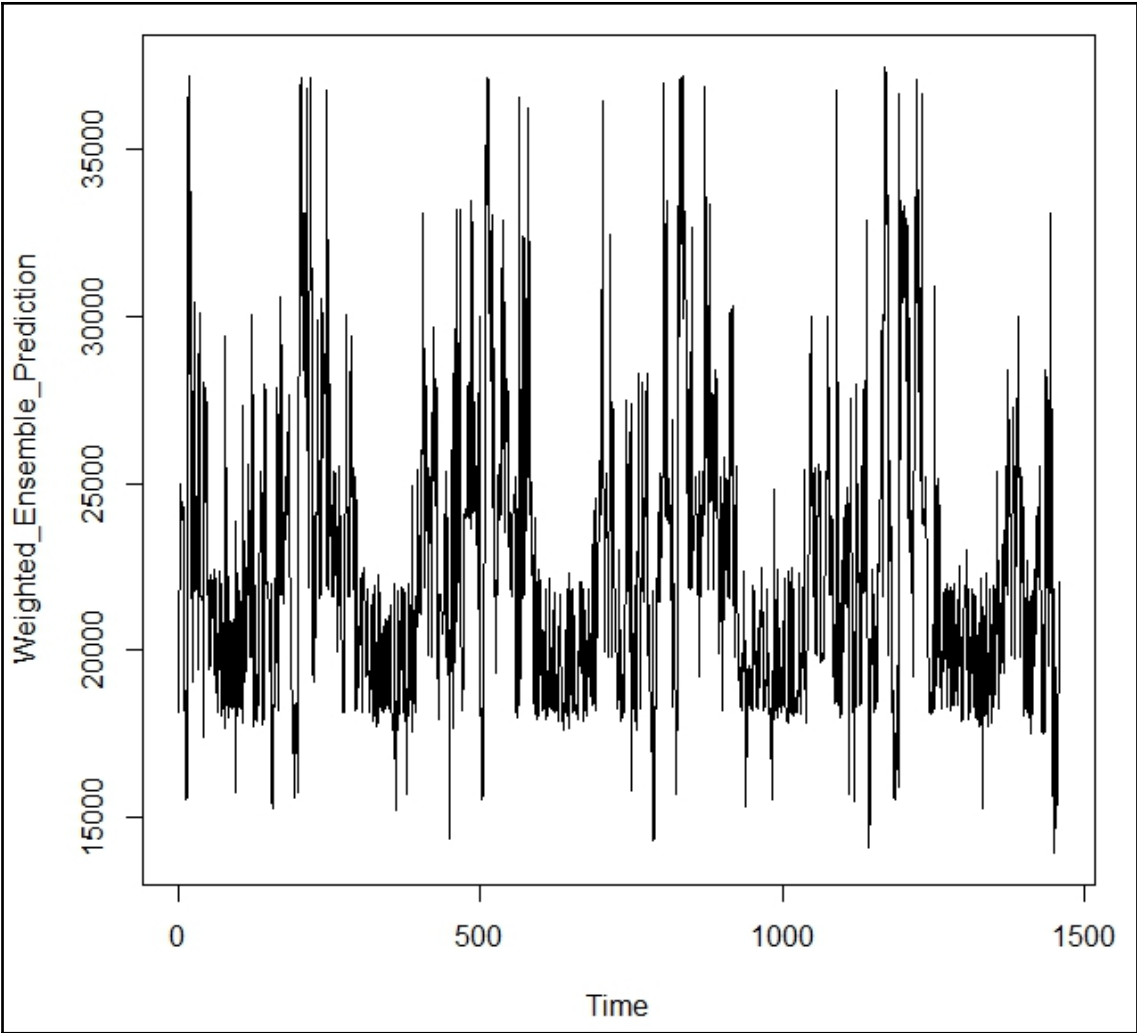


Chapter 7: The General Ensemble Technique

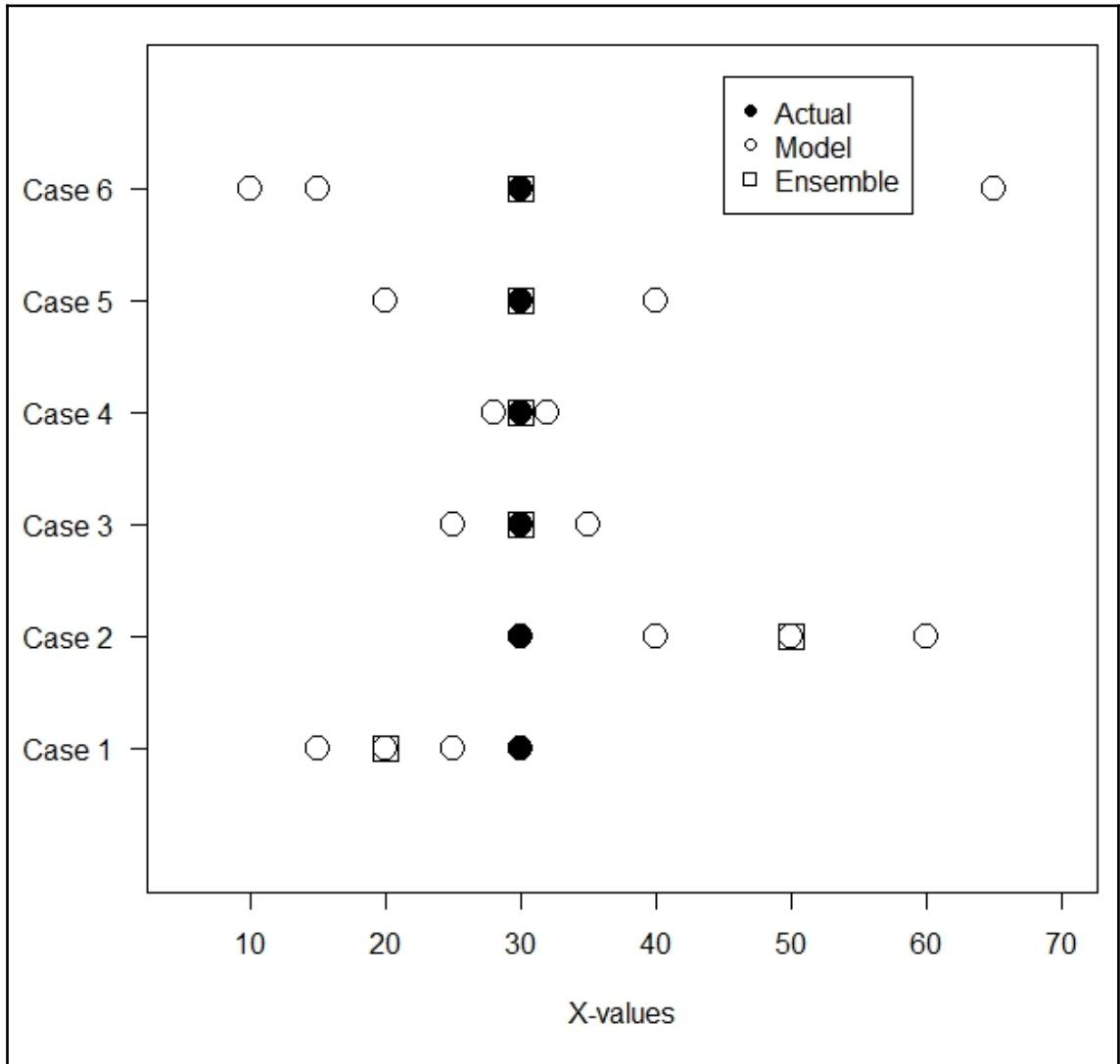


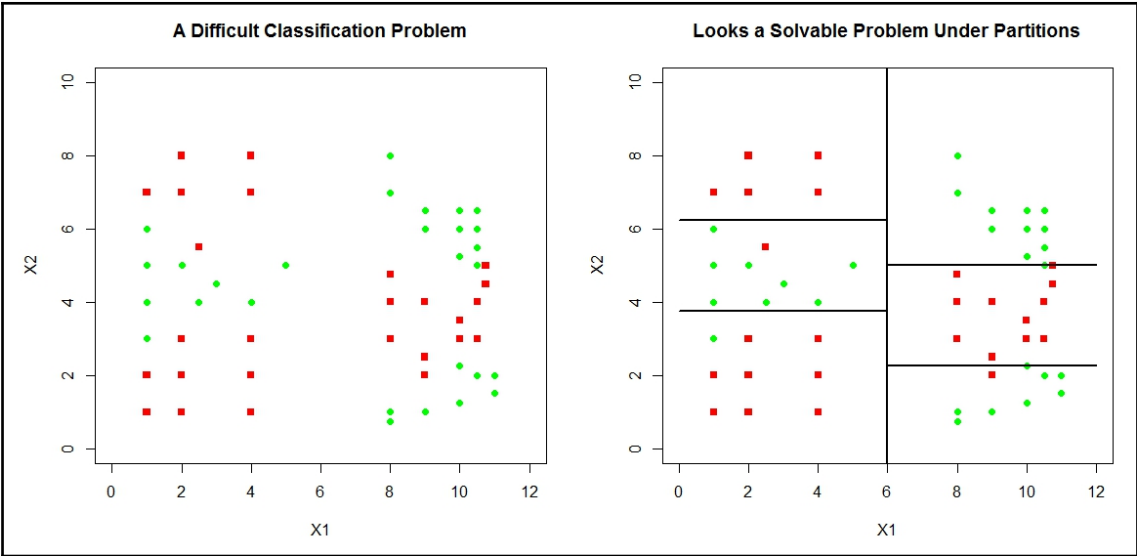




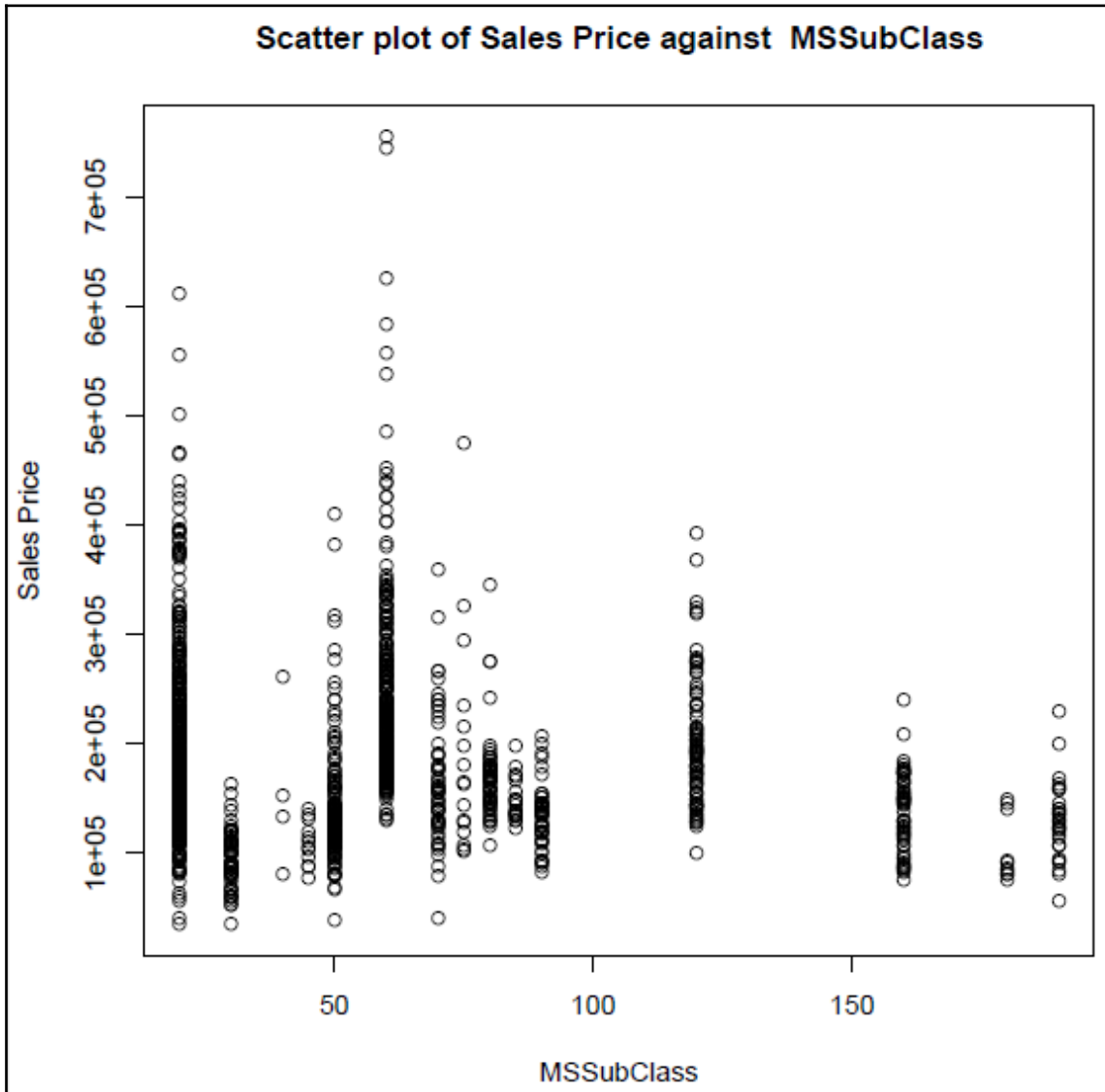


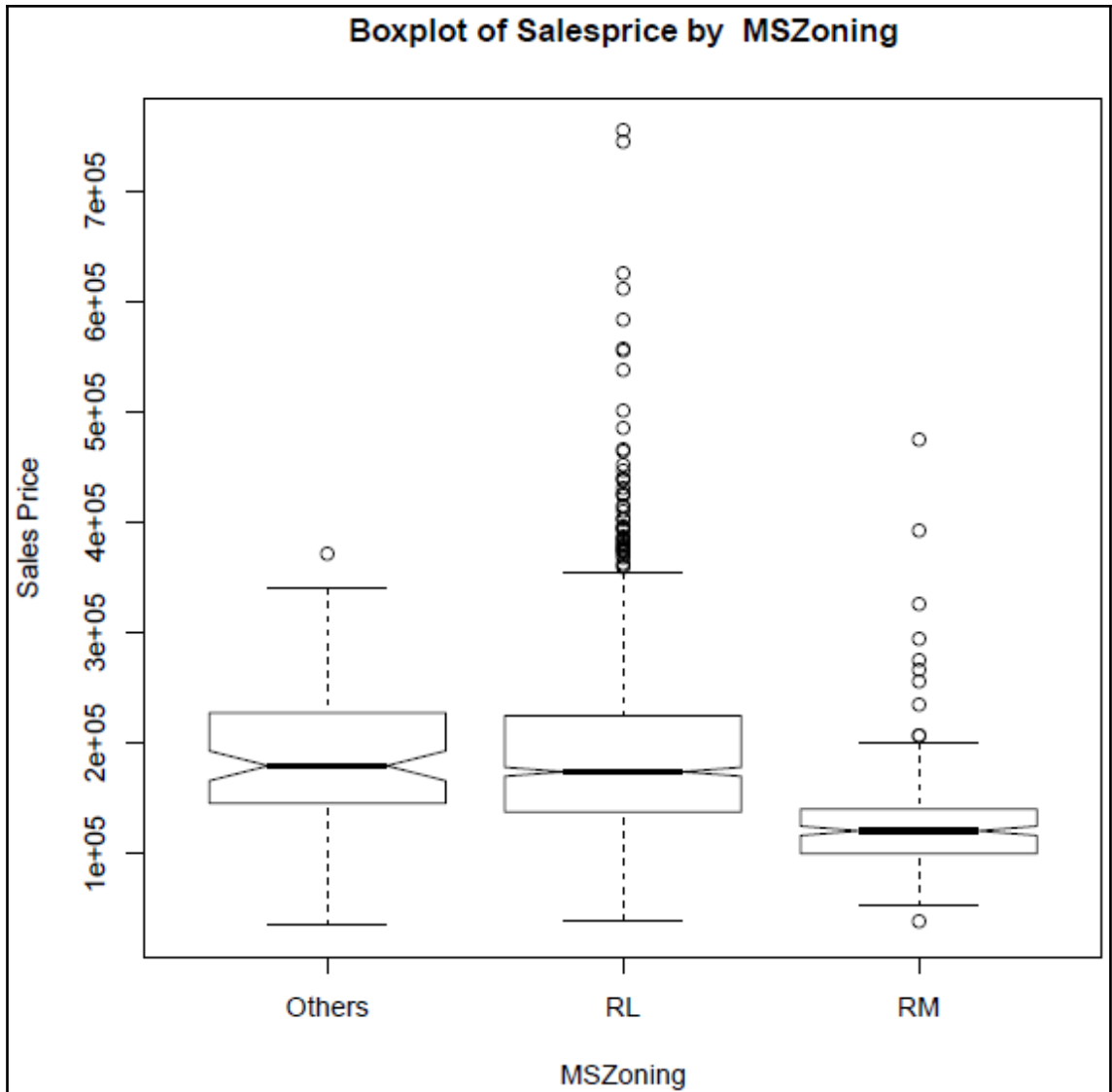
Chapter 8: Ensemble Diagnostics

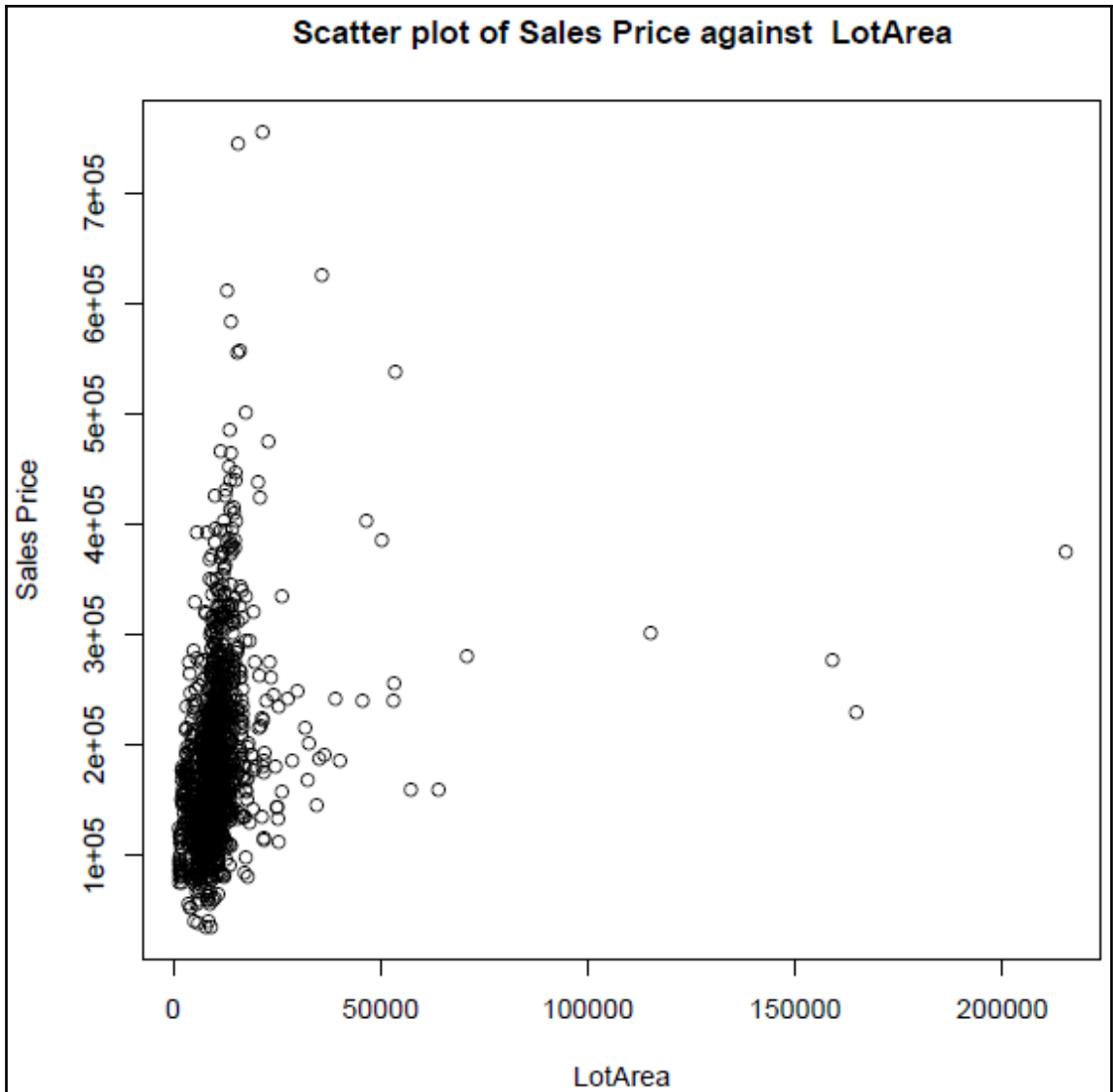




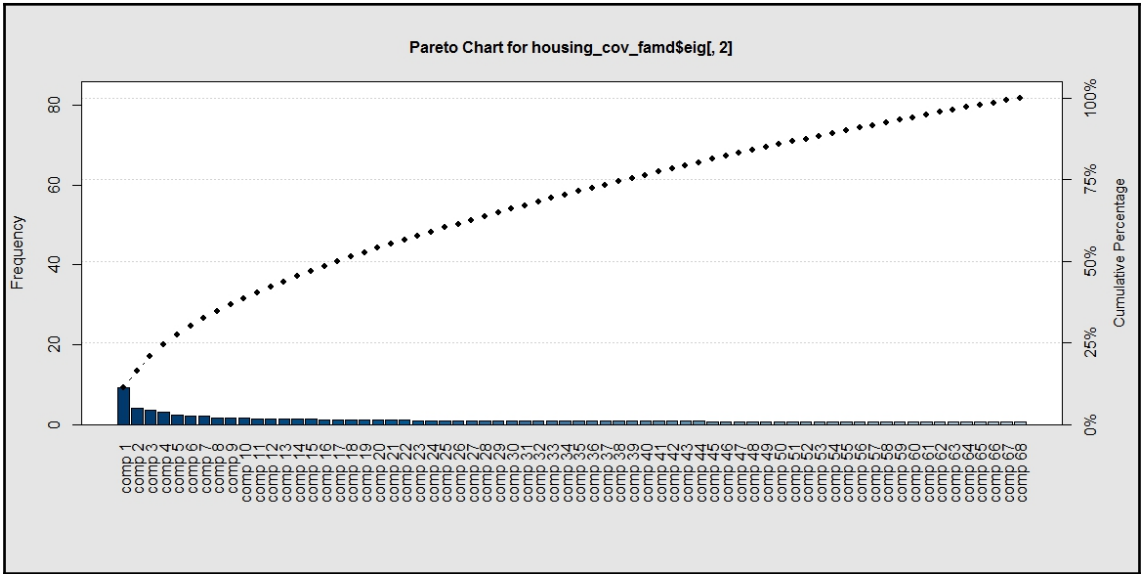
Chapter 9: Ensembling Regression Models

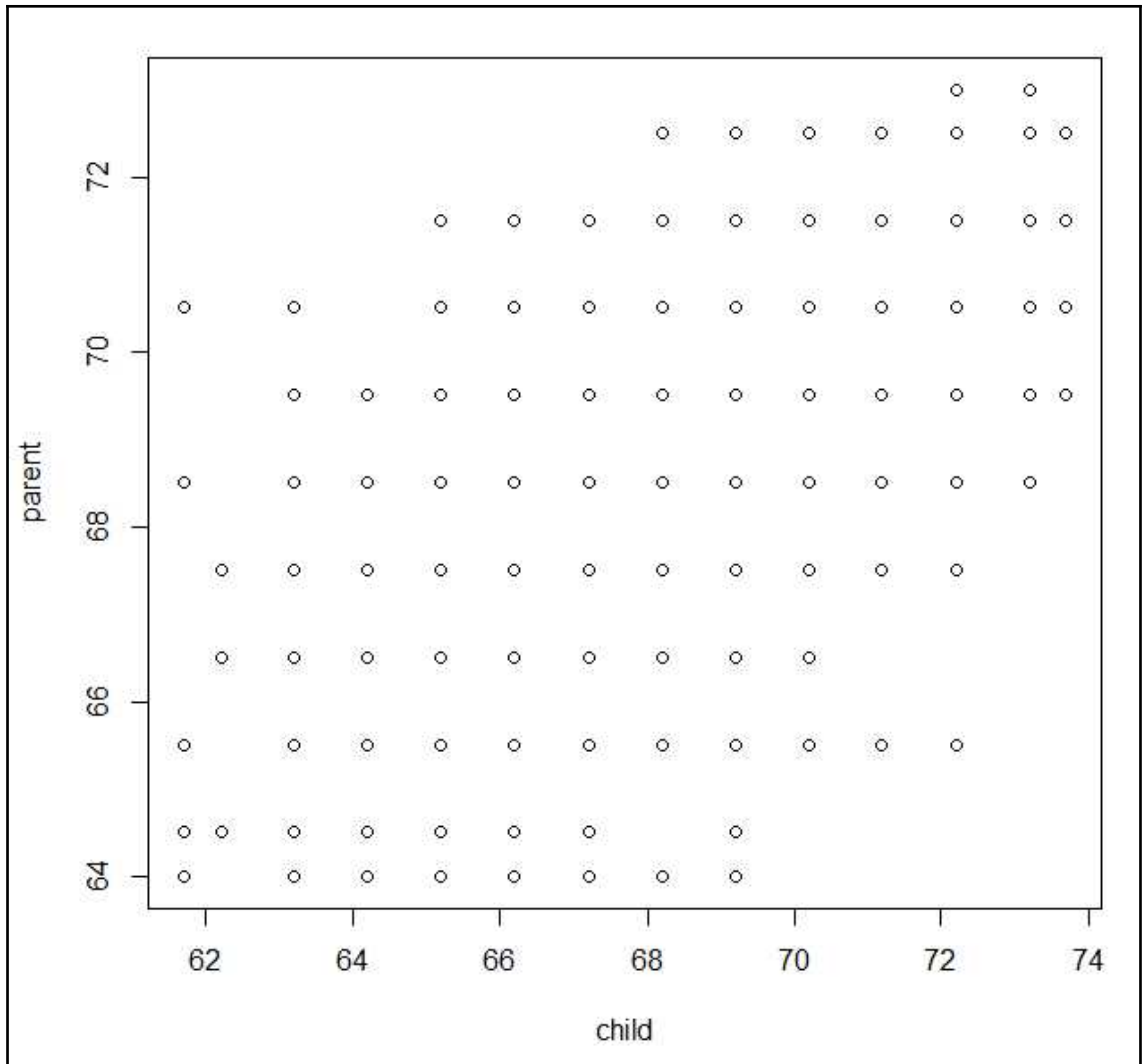


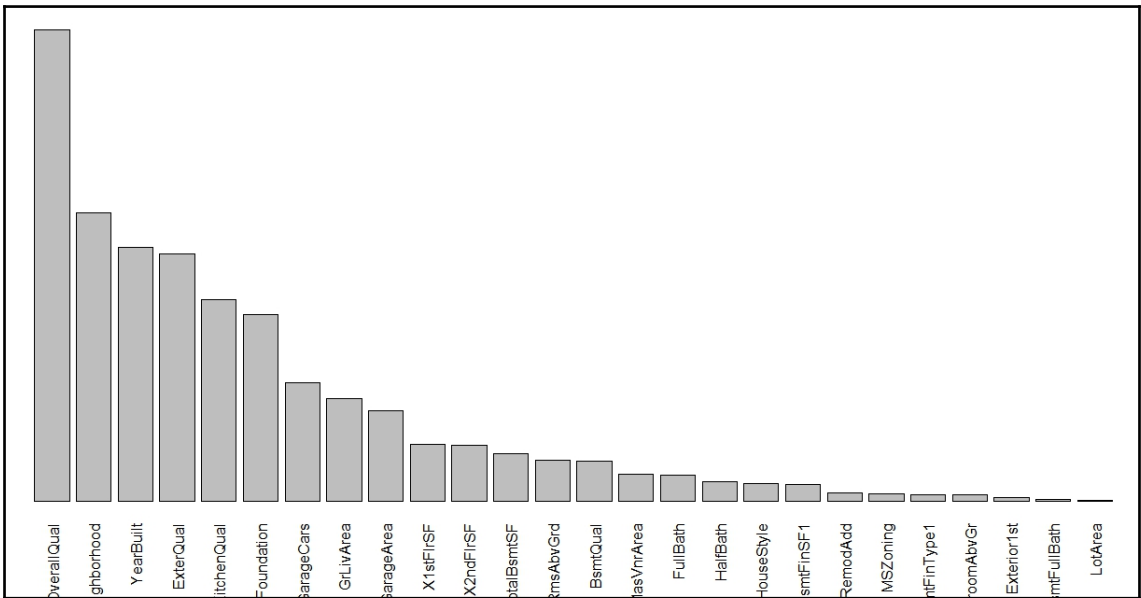
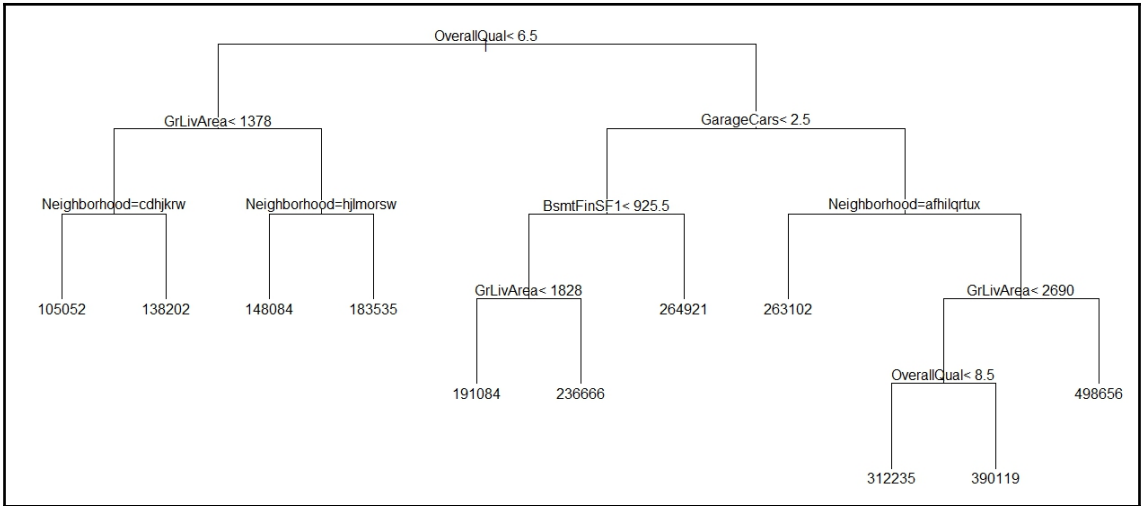


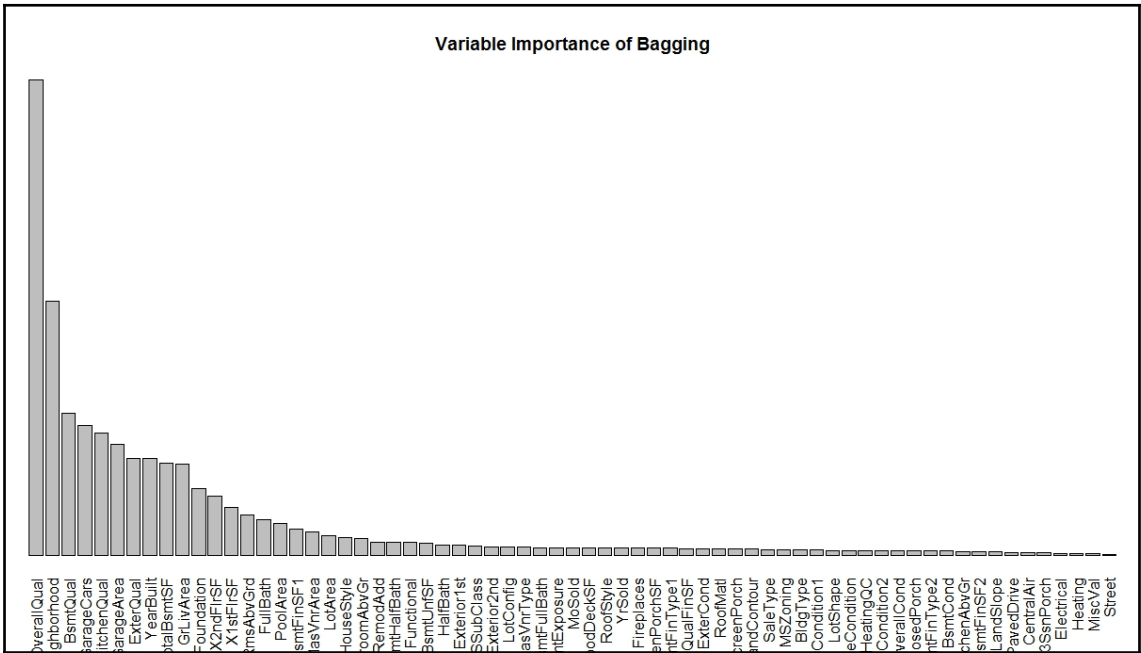
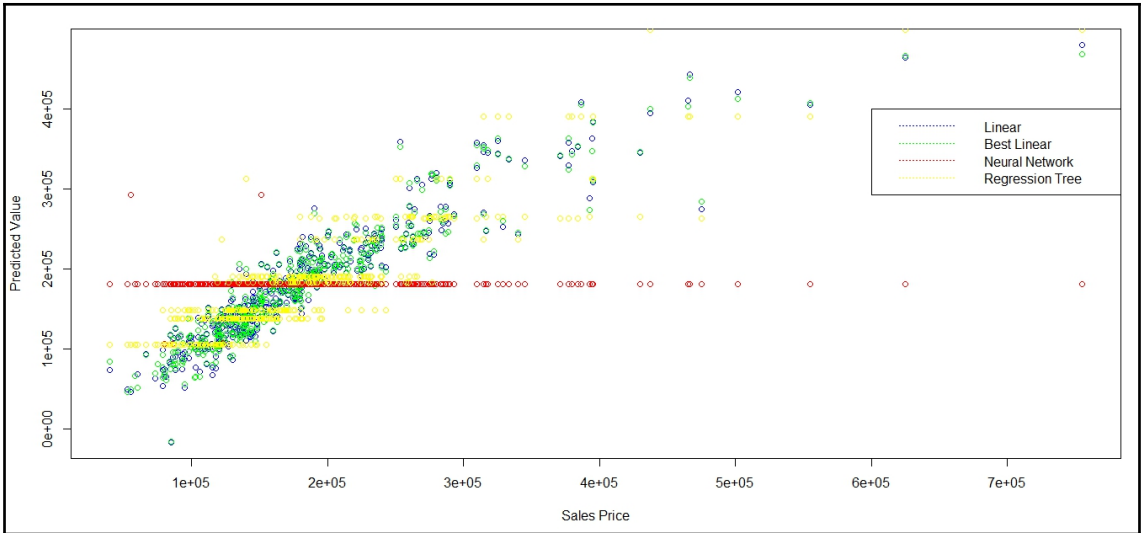


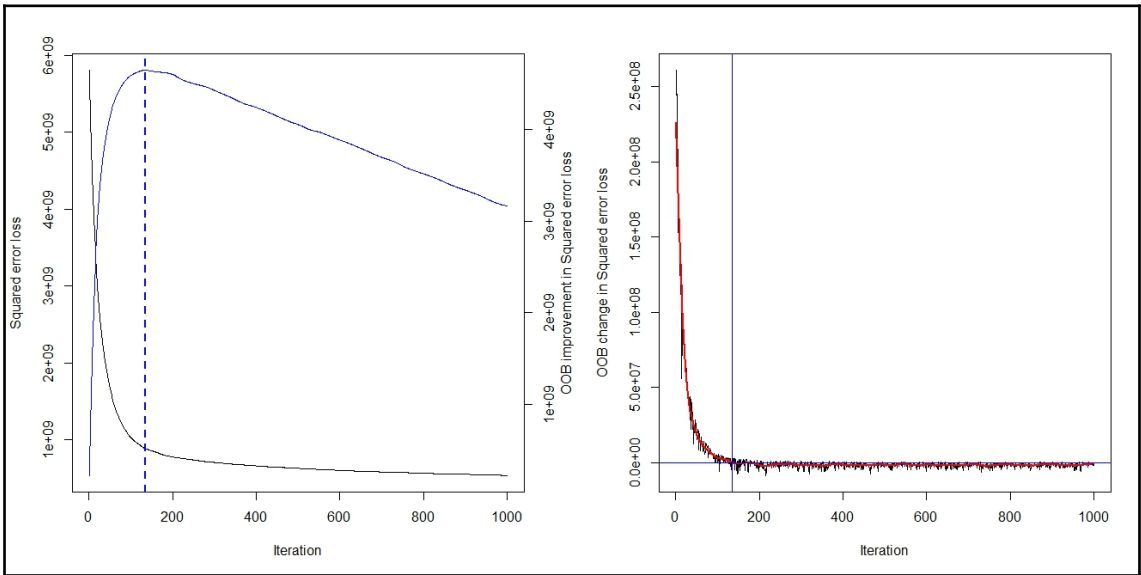
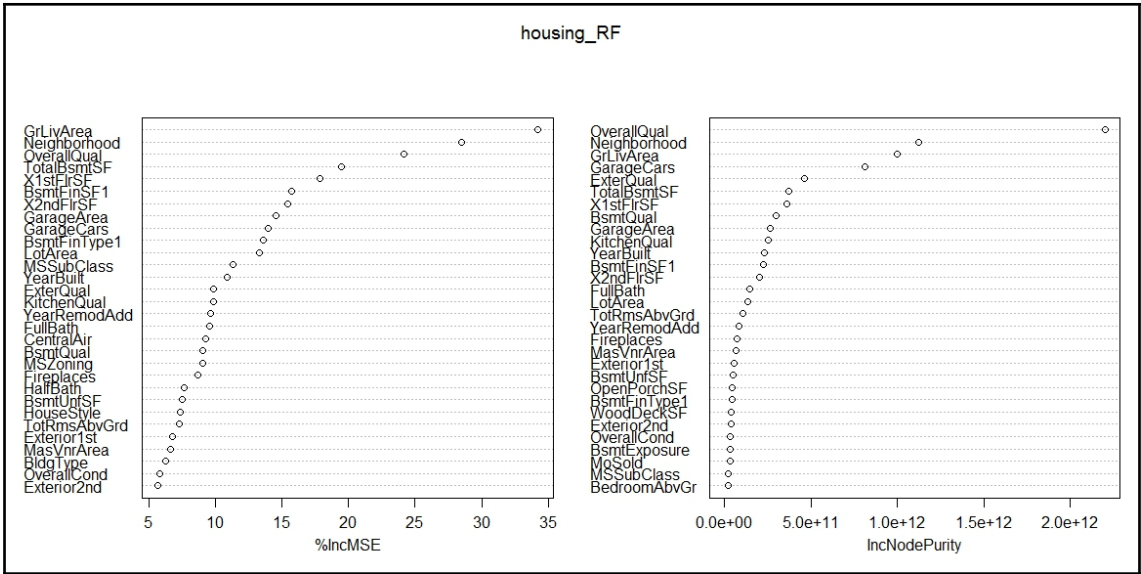


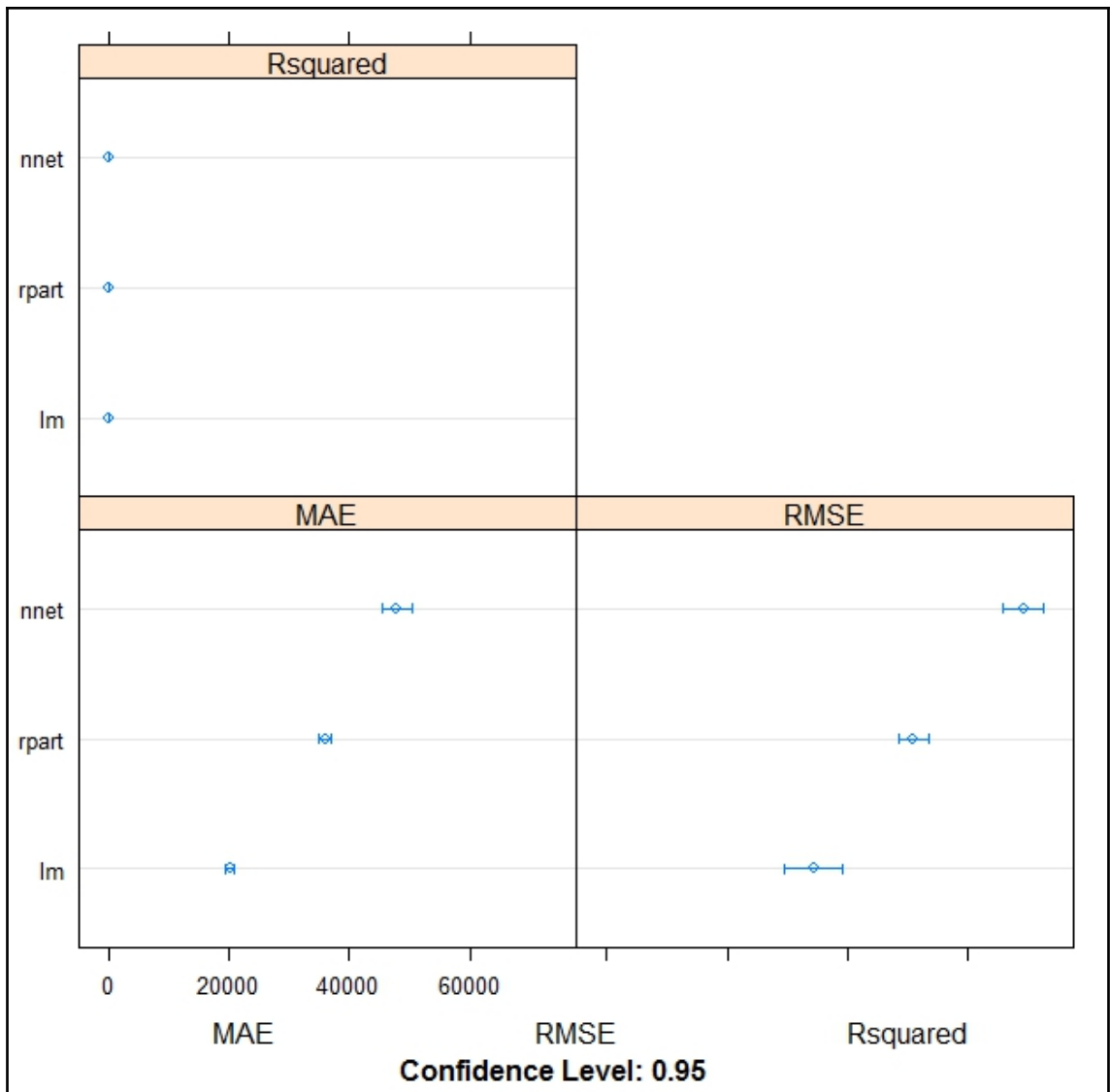












Chapter 10: Ensembling Survival Models

