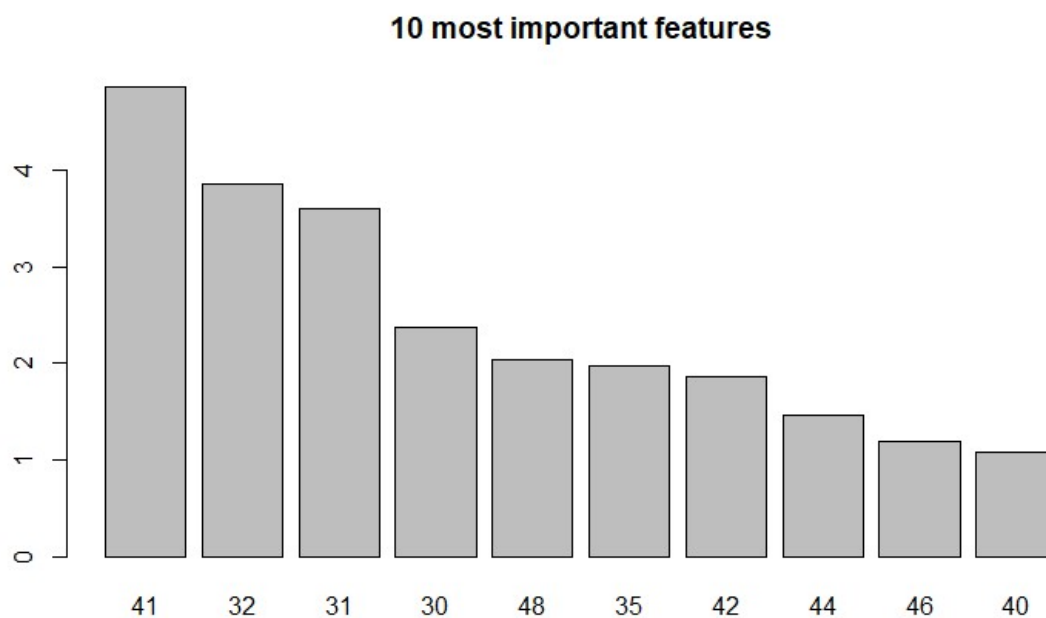


Special Tasks

Assignment 1

a)



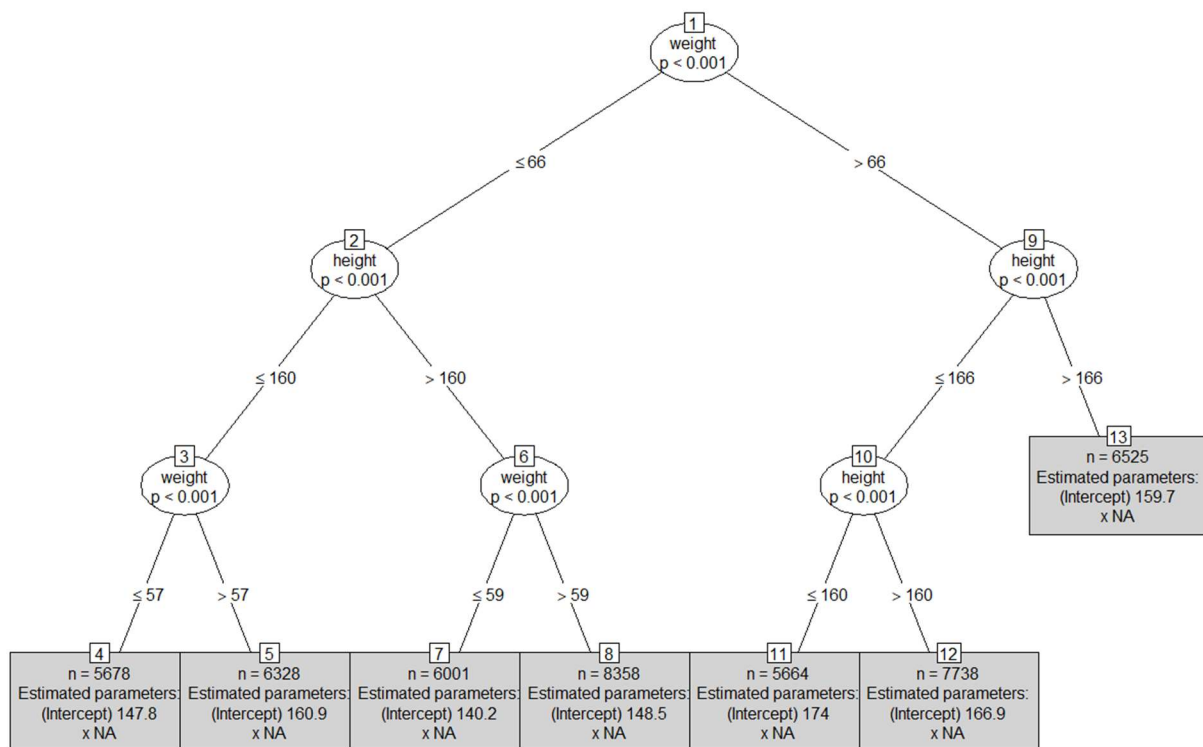
b)

Confusion matrix:

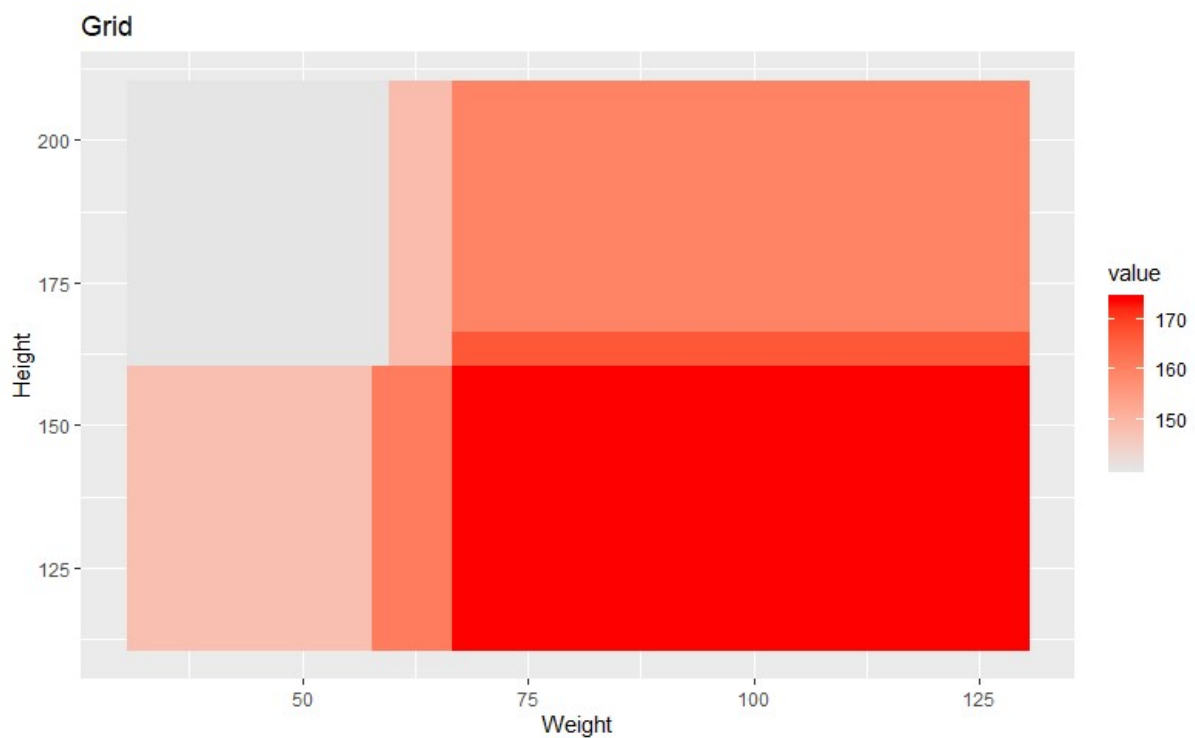
Confusion matrix		Prediction	
		0	1
Actual	0	1604	278
	1	144	714

Assignment 2

Fitted tree with `lm()` in each node and with 5000 as min node size. Regression coefficients for each node is stated below:

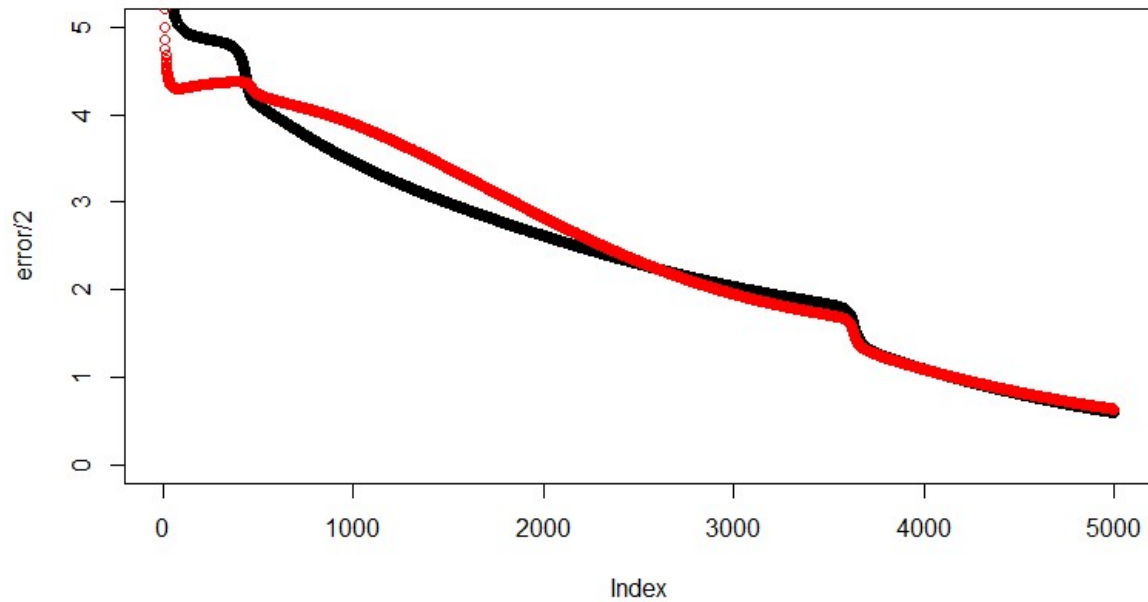


Color plot for grid with height as 111-210 and weight as 31-130. Grey to Red color scale where red corresponds to high values for Blood systolic.

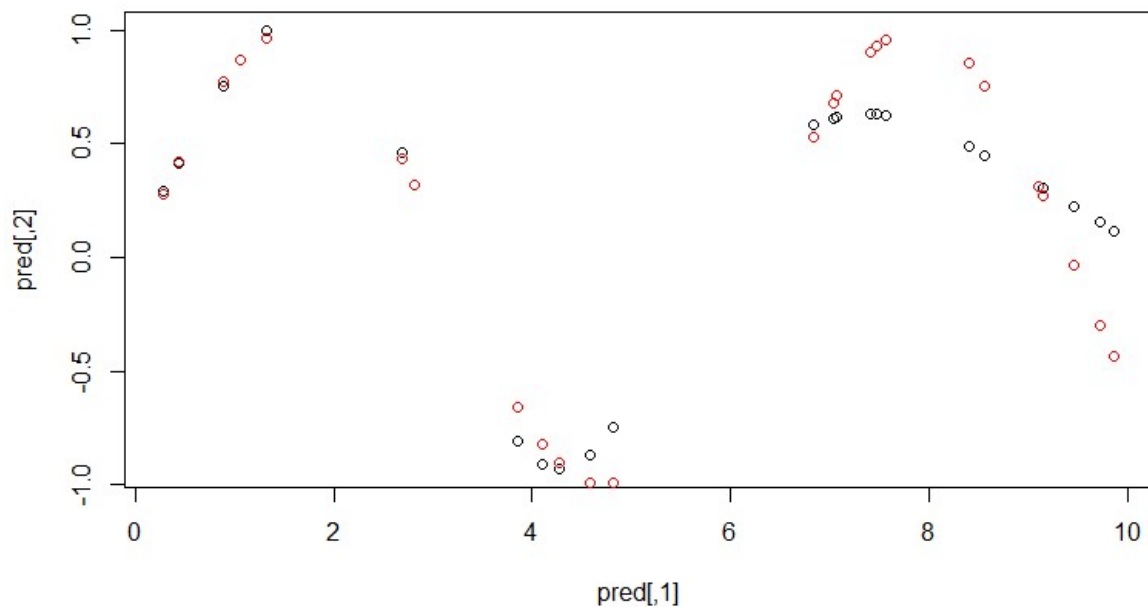


Assignment 3

Error during each iteration:



Predictions vs Actual for Training data:



Predictions vs Actual for Validation data:

