Assign3 writeup

Santina

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In this assignment, we examined a few different linear models that are trained based on different attributes or on data that were imputed.

The source code is loaded here.

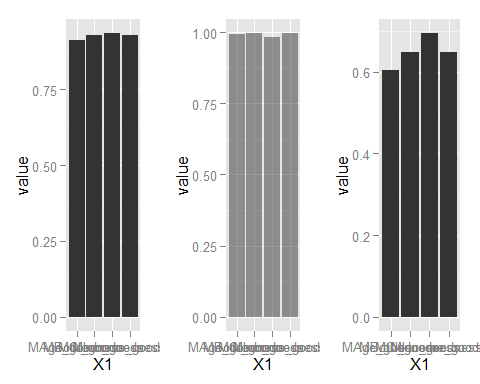
source("Assign3\_SantinaLin.R")

And here's the summary of all four models in comparison.

kable(summary)

| | accuracy| sensitivity| specificity| |:----------------|--------:|-----------:|-----------:| |MClean\_goodness | 0.9360| 0.9833| 0.6951| |MBoth\_goodness | 0.9300| 0.9975| 0.6495| |MIncome\_goodness | 0.9300| 0.9975| 0.6495| |MAge\_goodness | 0.9140| 0.9925| 0.6040| Let's look at them in graph

grid.arrange(accuracy\_summary, sensitivity\_summary, specificity\_summary, ncol=3)



We can see that