Errata for Chapter 5

- p. 154-155, corrected p-values:
  As can be seen in Figure 5.6, almost all the (preselected) variables for this study seem significant. We would like to confirm whether the variables `race`, `meduc`, $\log(\texttt{income}+1)$ and `insur` can be excluded from the model. For this purpose we use the difference of quasi-deviance statistic Λ_{QM} with $c = 1.6$ and $w(\boldsymbol{x}_i) = \sqrt{1-h_{ii}}$. We first test the null hypothesis $H_0 : \beta_3 = 0$ in the full model, which is not rejected (p-value=0.80). We therefore remove the variable `race`. We test next whether `meduc` is significant in the sub-model that has already `race` removed. This variable is not significant (p-value 0.74) and we remove it. We go on with testing whether we can in addition remove $\log(\texttt{income}+1)$, which is not significant (p-value=0.52). We last test the removal of `insur`. The p-value is 0.62, and we decide to remove also `insur`.