Module 6 - Logistic Regression

{{Student Name}}

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Instructions

I am giving you both the raw data and the rendered Tables and Figures section. Your goal is to:

- Make a `rmd` file that knits to the `HTML` answer
- Answer the questions in the Analysis section by selecting the correct `[]` and filling out the `______`
- Hard coding the Analysis section is allowed
- Match the presented tables and/or figures in the Tables and Figures
- Do not hard code the Tables and Figures section

Please match the Analysis and Tables and Figures sections as close as you can.

Please submit both the `rmd` and your knitted `HTML` to the link on Canvas.

The data file is on Canvas as `data.csv`

Remove the Instructions section from your final Knit.

Analysis

1. `Height` [is]/[is not] a significant predictor of `Improved` (β = _____, p = _____).
2. For each cm in `Height`, the Odds of the subject's symptoms [improve]/[degrade] by _____ %.
3. `Weight` [is]/[is not] a significant predictor of `Improved` (β = _____, p = _____).
4. For each kg in `Weight`, the Odds of the subject's symptoms [improve]/[degrade] by _____ %.
5. `Sex` [is]/[is not] a significant predictor of `Improved` (β = _____, p = _____).
6. Males show an [increase]/[decrease] in the Odds of the subject's symptoms by _____ %.
7. When looking at `Weight`, `Height`, `Sex`, and the interaction of `Weight` and `Height` the following terms *are* significant
    - [name of term 1] (β = _____, p = _____)
    - ...
    - [name of term 1] (β = _____, p = _____)
8. When comparing the two models from last week and the two from this week on AIC, the _____ model is the best.

Tables and Figures