

Module 6 - Logistic Regression

{{Student Name}}

2020-09-28

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`

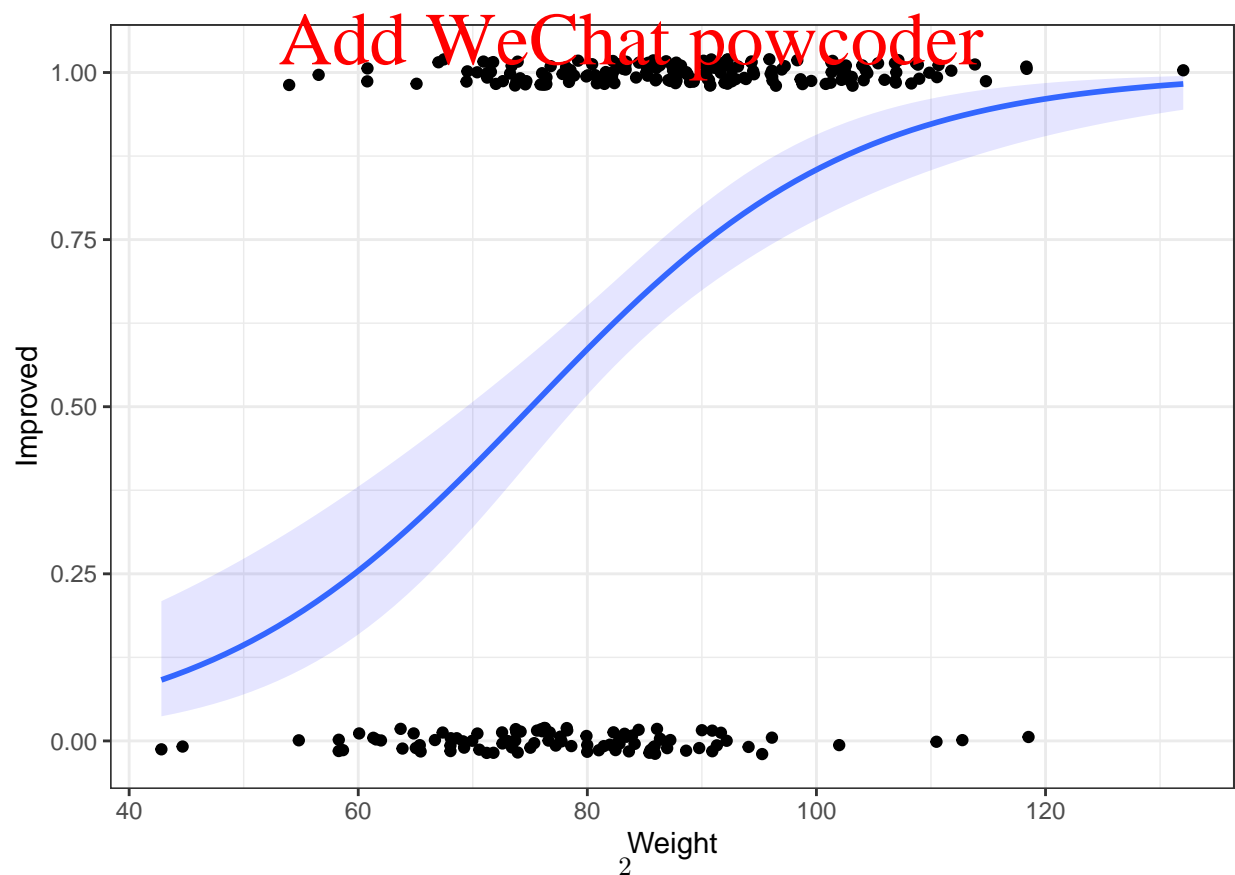
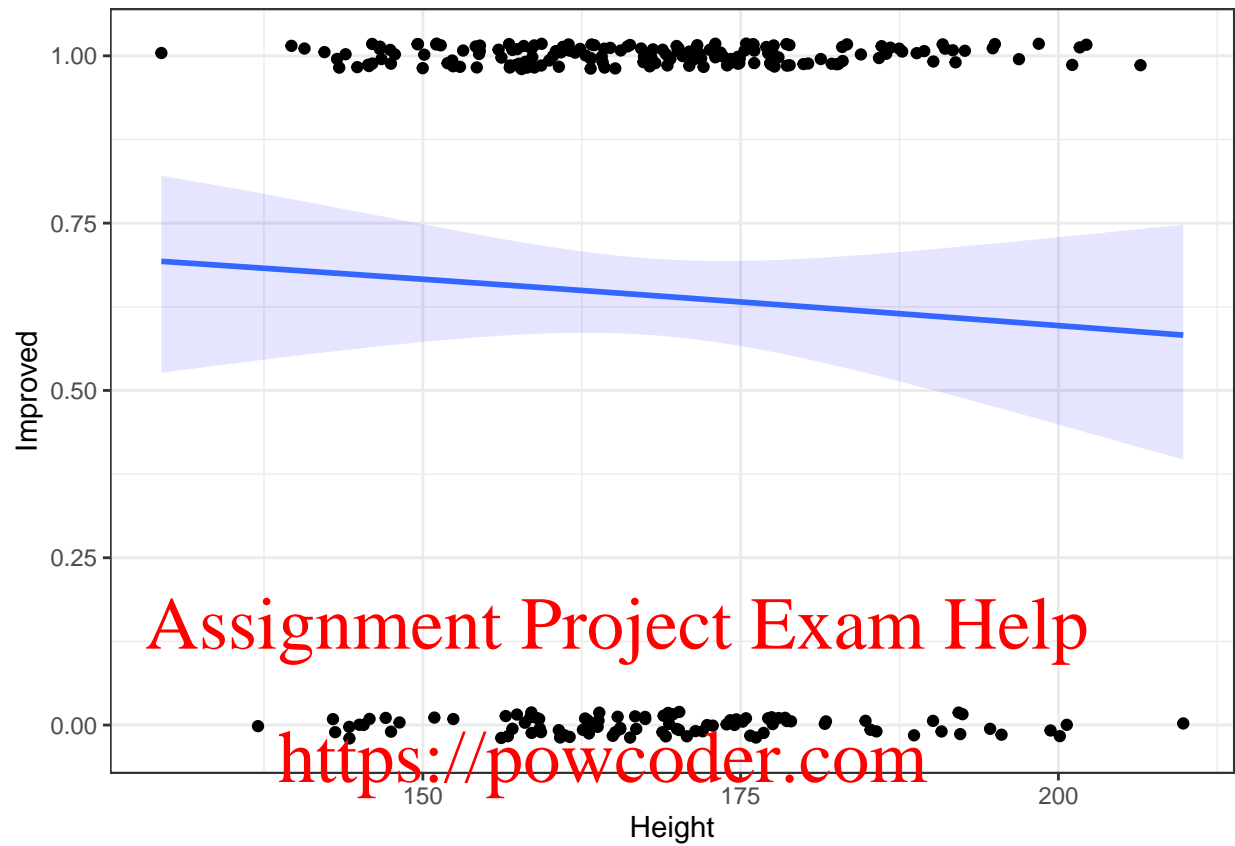
Remove the Instructions section from your final Knit.

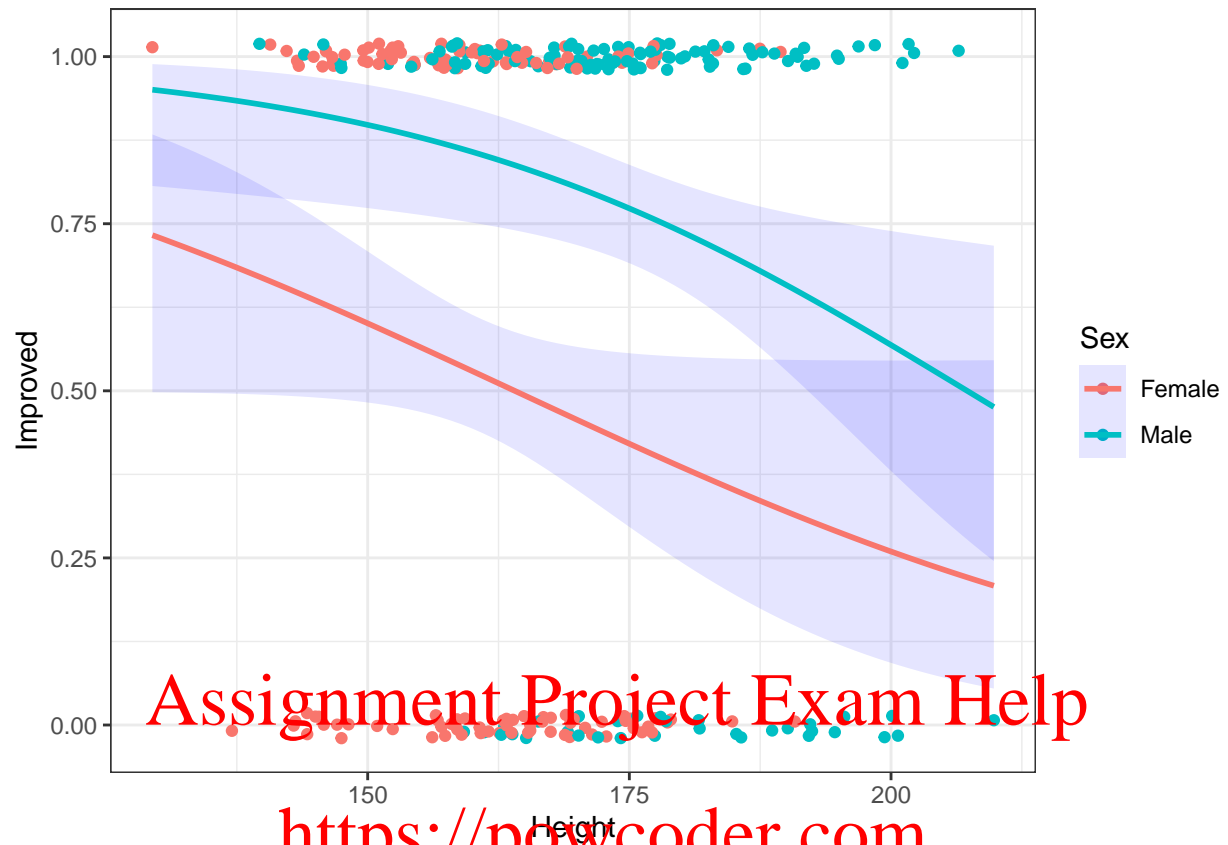
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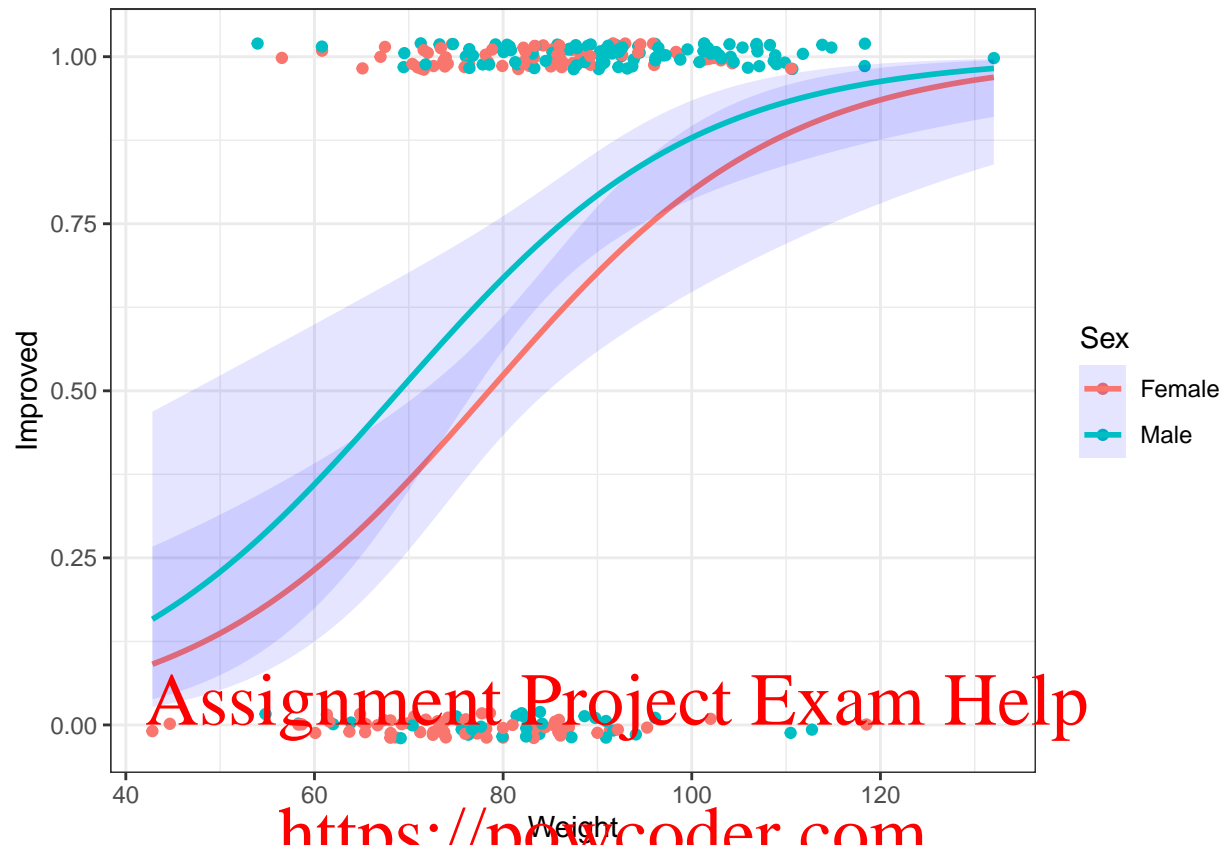
Analysis

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

Tables and Figures







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