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Professor Metzger

DSC 530

Final Project Summary

The outcome of my EDA, I believe turned out well, I was able to analyze and explore the data set for gym members exercise tracking. I learned that people who workout and go to the gym more does have a lower body fat percentage. However, I do feel like I missed the point of showing where the other variables play a role in a lower fat percentage. For example, someone age could factor in a lower body percentage but I do not think I did a great job showing that. I believe the chosen variables I had did help overall but I think the variable ‘Experience\_Level’ could have changed the outcome. Having more experience could possibly result in an optimal fat percentage loss meaning less workout frequency which could have helped a lot with my analysis. I believe I made an wrong assumption, although not shown in my analysis, that being short results in a lower fat percentage because there would be less fat to burn as height decreases. During my analysis I saw that weight and height did not necessarily have a correlation meaning the assumption that shorter height equals lower fat percentage could also be wrong. The most challenging part of the process was the analytical distribution, I am not very confident I performed it correctly and I do know that is still one of my biggest struggles that I need to improve on. Overall, I believe I did well in order to answer/support my hypothesis and was able to follow through with the EDA process.