

Capstone Data Analysis Project – Data Exploration  
Biostatistics

Name: Esteban Ramirez Score = 19 /25

GitHub repo: <https://github.com/3st3ban9/Ramirez-Capstone-Project.git>

Submitted on time? ☐ Y ☒ N

Project element	Value	Pts earned	Comments
Establish project <ul style="list-style-type: none"><li>Create GitHub repository for project called “Lastname-Capstone-Project”</li><li>Create new RStudio project tied to git hub repo</li><li>Set up project with Code, Data folder</li></ul>	2	2	good
Set up data folder <ul style="list-style-type: none"><li>Add all csv files for project</li><li>Add <math>\geq 1</math> metadata .txt file</li><li>If <math>&gt; 1</math> csv, include README.txt to explain</li></ul>	3	3	good
Set up .qmd file in Code folder <ul style="list-style-type: none"><li>Check data for mistakes and outliers</li><li>Change any var names or create new variables</li></ul>	4	1	You didn't do any error checking for your factor variables or numeric variables.
Exploratory Data Analysis- get to know your data <ul style="list-style-type: none"><li>summary statistics</li><li>histograms</li><li>boxplots</li><li>group_by and summarise</li><li>etc.</li></ul>	6	4	You should make a habit of plotting a histogram for each of your numeric variables, to look for outliers but also to get a sense of your data. Also, think about using group_by and summarise to make some plots just for becoming familiar with your data and not necessarily w/regard to your analysis.
Save cleaned dataset(s) <ul style="list-style-type: none"><li>Write code to save the cleaned, revised dataset in Data folder with clear name</li></ul>	2	2	good
Code is simple and clear and gives correct output <ul style="list-style-type: none"><li>Replaces as much human intervention as possible</li><li>Provides correct summary values</li></ul>	2	2	good

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Thought processes are well documented outside of code blocks, code is well commented, all steps prior to data analysis are finished	5	4	Please keep working on this. Think of your .qmd as the map to your thought processes, both for me to understand as well as for "future you" - you need to do more to put down the "WHY" about code you are about to type as well as the "What did I learn" after you run code chunks.
Save and commit your changes and push to github <ul style="list-style-type: none"><li>Send link to repo on Canvas when finished</li></ul>	1	1	good
Additional feedback Although this assignment was late, I am not taking off additional points as I know you were sick and playing catch up.			