\*\*Task Delegation Plan\*\*

\*\*1. Analysis, Code, and Upload to GitHub\*\*

- \*\*Team Members\*\*: \*\*Alek\*\*, \*\*Daniel\*\*, \*\*Krishan\*\*

- \*\*Points\*\*: 20 points

\*\*Responsibilities\*\*:

- Ensure that the final code and analysis files are uploaded to GitHub.

- Review that the repository is structured professionally (folders for data, code, notebooks, and images).

- Ensure the code is clean and easy to understand (including comments and explanations).

\*\*2. README File\*\*

- \*\*Team Members\*\*: \*\*Alek\*\*, \*\*Krishan\*\*

- \*\*Points\*\*: 10 points

\*\*Responsibilities\*\*:

- Write a clear and detailed \*\*README\*\* file with project descriptions, dataset explanations, steps to run the analysis, and key findings.

- Ensure that the README covers:

- Project introduction and goals.

- Instructions on how to set up the environment and run the analysis.

- Summary of results and links to relevant sections of the project.

\*\*3. Professional Quality of Repository\*\*

- \*\*Team Members\*\*: \*\*Daniel\*\*, \*\*Hardeep\*\*

- \*\*Points\*\*: 10 points

\*\*Responsibilities\*\*:

- Ensure the repository is clean, organized, and presented professionally.

- Check the naming conventions of files and ensure consistency.

- Make sure all necessary files (Jupyter Notebooks, data files, results) are well organized.

\*\*4. Visualizations\*\*

- \*\*Team Members\*\*: \*\*Aleksandra\*\*, \*\*Anvita\*\*, \*\*Hardeep\*\*

- \*\*Points\*\*: 20 points (10 for visualizations, 10 for explanation)

\*\*Responsibilities\*\*:

- Create \*\*6–8 visualizations\*\* related to the data and findings.

- Ensure that there are \*\*at most minuscule two visualizations per key question\*\*.

- Label all visualizations clearly and professionally.

- Ensure visualizations are explained and included in the notebooks/slides.

- \*\*Hardeep\*\*: Ensure all images are labeled clearly and linked to the data they represent.

- \*\*Anvita\*\*: Provide detailed explanations for each visualization—describe the data being shown and explain the relevance of the visualization to the question being answered.

\*\*5. Statistical Analysis and Findings\*\*

- \*\*Team Members\*\*: \*\*Alek\*\*, \*\*Krishan\*\*, \*\*Daniel\*\*

- \*\*Points\*\*: 20 points

\*\*Responsibilities\*\*:

- Conduct statistical analysis, such as:

- Aggregation, correlation, comparison, summary statistics.

- Use of techniques like sentiment analysis or time series, if applicable.

- \*\*Anvita\*\*: Focus on \*\*descriptive statistics\*\* and summarizing key findings with numbers.

\*\*Krishan\*\*: Ensure that each project question is answered with precise descriptions and supported by numbers and visualizations.

- \*\*Daniel\*\*: Double-check that each response is professional and that conclusions are clear and well-supported.

\*\*6. Group Presentation\*\*

- \*\*Team Members\*\*: \*\*Alek\*\*, \*\*Daniel\*\*, \*\*Krishan\*\*, \*\*Anvita\*\*, \*\*Hardeep\*\*

- \*\*Points\*\*: 20 points

\*\*Responsibilities\*\*:

- Prepare and \*\*rehearse\*\* the presentation, ensuring all team members are confident in presenting.

- Ensure \*\*all team members\*\* speak during the presentation.

- \*\*Alek\*\* and \*\*Daniel\*\*: Manage the introduction and conclusion sections of the presentation.

- \*\*Anvita\*\* and \*\*Krishan\*\*: Present the \*\*data visualizations\*\* and explain their insights.

- \*\*Hardeep\*\*: Present \*\*statistical analysis\*\* and the overall findings.

\*\*7. Slide Deck\*\*

- \*\*Team Members\*\*: \*\*Daniel\*\*, (Hardeep)

- \*\*Points\*\*: 20 points

\*\*Responsibilities\*\*:

- Create a visually appealing and professional \*\*slide deck\*\*.

- Ensure each slide presents relevant information, with concise explanations and clear visuals.

- \*\*Anvita\*\*: Focus on ensuring the slides explain the data, analysis, and key findings in an understandable and professional way.

- \*\*Hardeep\*\*: Ensure that the slides are clean, visually consistent, and maintain the audience's interest with proper use of charts, graphics, and bullet points.

### \*\*Summary of Responsibilities\*\*

| Team Member | Main Responsibilities |

|-------------|-------------------------------------------------------------------------------------------------------------|

| \*\*Alek\*\* | Analysis & Code upload to GitHub, README file, statistical analysis, introduction and conclusion in the presentation |

| \*\*Daniel\*\* | Analysis & Code upload to GitHub, repository quality, statistical analysis, introduction in the presentation |

| \*\*Krishan\*\* | Analysis upload to GitHub, README file, visualizations, statistical analysis, data insights presentation |

| \*\*Anvita\*\* | Visualizations, slide deck creation, explanation of insights, presentation of visualizations |

| \*\*Hardeep\*\* | Repository quality, visualizations, slide deck creation, statistical analysis presentation |

1. age
2. sex
3. chest pain type (4 values)
4. resting blood pressure
5. serum cholestoral in mg/dl
6. fasting blood sugar > 120 mg/dl
7. resting electrocardiographic results (values 0,1,2)
8. maximum heart rate achieved
9. exercise induced angina
10. oldpeak = ST depression induced by exercise relative to rest
11. the slope of the peak exercise ST segment
12. number of major vessels (0-3) colored by flourosopy
13. thal: 0 = normal; 1 = fixed defect; 2 = reversable defect  
    The names and social security numbers of the patients were recently removed from the database, replaced with dummy values.