Your submission should include two components:

1. **Analysis Report (PDF or Word Document):**
    -
    - This report should be a collective submission from the entire group, with only **one report required per group**.
    - Your report should succinctly summarize your analysis and findings within a 6-page limit, including figures and tables.
    - Do not include R code in the report.
    - Avoid inserting raw outputs from R functions; instead, demonstrate your ability to interpret and distill useful information from output tables.
2. **R code and outputs (rmd + knitted file):**
    -
    - **Each team member must submit their individual code and outputs.** Include your name and UNI in the filenames (e.g., analysis_YifeiSun_ys3072.Rmd/html).
    - Your submissions should contain all the code for conducting your analysis, as well as for the creation of any tables or figures presented in your report.
    - Consistently use the same random seed and resampling method across your team to ensure your results are reproducible and identical.
    - While **independent work on the code is required**, discussing results and revising code based on team feedback is encouraged. However, directly viewing a teammate's code is strictly forbidden.

Due to submission restrictions, one team member will submit all the files for the entire team. Please coordinate within your team to decide who will be responsible for this task.

Your report should at least include the following sections:

Exploratory analysis and data visualization

In this section, use appropriate visualization techniques to explore the dataset and identify any patterns or relationships in the data.

Model training

In this section, describe the models you used to predict the time to recovery from COVID-19. Briefly state the assumptions made by using the models. Provide a detailed description of the model training procedure and how you obtained the final model.

Results

In this section, report the final model you built to predict the time to recovery from COVID-19. Interpret the model and assess its performance.

Conclusions

In this section, summarize your findings from the model analysis and discuss the insights gained into predicting time to recovery from COVID-19.

Additional Considerations

In your modeling efforts, did you include "study" as a predictor variable? Provide a rationale for your decision, considering the variable's relevance and potential impact on model accuracy and interpretability.