For this project phase, due by **October 31st** at 11:59pm, you need to submit a **PDF file** covering the following key points:

**Max Length: four pages.** The TA will not evaluate pages beyond the fourth.

**Introduction:**

* Explain two to three main research questions of your project and why each question is important.
  + Main research question:
  + 2nd question: what is the best model to represent our data?
  + 3rd question: what variable are the best predictor of diabetes?
* Describe the problem you want to explore, explain its significance and why it needs investigation, present your research questions aimed at addressing these problems, and clarify how answering these questions can help solve those problems.
* Use literature to justify the importance of your work and the need for your proposed research questions.
  + review at least 10 relevant research studies, whether clinical or technical, to ensure you have a good understanding of the field you are exploring or contributing to in this project.

**Methods:** Provide detailed information about your dataset

* the data exploration phase,
* implementation of one predictive model, as covered before/on October 31st.

**Results:** Detail the results you have achieved so far. Keep in mind that this section will be updated in (at least) two more iterations.

**Discussion:** Discuss:

* the results
* your exploratory process
* key findings of your work up to this point.
* Address any limitations you have encountered and outline your plan to address them.
* provide a brief paragraph outlining the next steps in your work.

**Individual Contributions:** Highlight the contributions of each team member throughout the entire process.

**Code and Presentation:**

* Store your Datathon materials on n GitHub including:
* Notebooks
* Datasets
* Share the GitHub project link in the report for easy access by the TA.