This sheet is for the course team and is shared with the students for transparency!
These are the guiding questions that we will use during the evaluation sessions. Note that **not all questions are applicable to all projects.** This evaluation template will be used to ask about **open issues** after the presentations. It is very granular to cover multiple aspects of your projects and contribute to a fair grade.

I. Overall Evaluation Criteria

General

- **Project Focus**
  - Does the presented solution address the research question? Is the research question communicated in a precise manner?
  - Is there an adequate balance between the machine learning and visualization parts?
- **Fitness to Use Case: User, Task, Data**
  - Are the stakeholders/users specified?
  - Do the tasks fit the stakeholders/users and their data?
  - Is the overall storyline convincing?

Overall Impression of the Project

- **Team**
  - Did all team members work on the project and were the contributions of the team members balanced?
- **Presentation**
  - Was the presentation clear and did the structure of the demo make sense?
- **Project Novelty**
  - Is there any novel approach proposed in this project (e.g., visualization designs, explainable machine learning technique)?
  - What are the pros and cons of the novel method?
  - Is the final solution satisfactory?

Innovation & Originality

- Does the project introduce new ideas or perspectives on the given problem?
- For storytelling or conceptual projects, does the approach go beyond existing narratives and avoid stereotypes (e.g., simplistic portrayals of conflict zones)?
- Does the project demonstrate creative thinking in how it frames the issue and proposes solutions?

Ethical Considerations

- Have students critically reflected on the ethical and social implications of their solution?
- Do they acknowledge potential biases or limitations in their approach?

II. Project-Specific Evaluation Criteria

Visualization

- **Evaluation & User Interface Usability**
  - Does the interaction workflow make sense?
  - Are the affordances of the interaction design clear?
  - Is the information presented properly?
    (components composition, easy-to-interpret plots, readable text, etc.)
- **Aesthetics**
  - Use of color: are colors used in a way that is helpful to the storyline, are they harmonious, and do they assist readability (e.g., no dark text on a dark background)?
  - Does the design follow the perception design principles discussed in the lecture?
- **Storytelling**
  - Does the dashboard provide a narrative that is easy to follow?
  - Does the storytelling answer the question the dashboard wants to answer?
- **Interactivity**
  - Is there a way to interact with the dashboard?
  - Are the components interacting with each other?

Data Modeling and Machine Learning

- **Data Processing and Exploration**
  - How was the data processed?
  - Were any data exploration techniques utilized?
- **ML Models, Tasks, and Explainability**
  - What are the machine learning algorithms used? Why were these used? How much do they fit the task?
  - Which explainability method was used?
  - Does the dashboard help the user to understand the ML model?

Conceptual Rigor & Research Quality

- Does the project demonstrate a strong understanding of the topic and relevant literature?
- Is the argumentation logical, well-structured, and supported by credible sources?
- Have students effectively identified key debates, challenges, and perspectives related to the topic?
- If applicable, have students consulted domain experts or integrated relevant case studies?
- Does the work cite the relevant academic and/or policy literature?

Practical Feasibility & Real-World Relevance

- Are the proposed ideas actionable and grounded in practical considerations? For instance, if a funding proposal is developed, is it structured realistically, and does it effectively make the case for support? Similarly, if, for instance, a codebook is developed, is it methodologically sound and applicable for future use?