

DSC 180A Quarter 2 Project Schedule

Team Members: Haoyu Fu, Yixuan Zhang

December 2023

General Meeting Schedule

- Every Monday at 10 AM: Team Morning Meeting (30 minutes)
- Every Wednesday at 10 AM: Progress Update Meeting (30 minutes)
- Every Saturday at 10 AM: In-depth Work and Weekly Summary Meeting (1 hour)

Week 1: Project Initialization and Experiment Design

Milestone: Formulate experiment design and data collection strategy.

- **Haoyu:** Develop the experimental framework, focusing on hypothesis formulation and experimental variables.
- **Yixuan:** Design the survey methodology and prepare for distribution by the end of the week.

Specific Task: Distribute the survey by the weekend of Week 1.

Week 2: Data Collection and Preliminary Model Development

Milestone: Begin data collection and establish preliminary model architecture.

- **Haoyu:** Start receiving and organizing survey data early in the week.
- **Yixuan:** Initiate the development of machine learning models, selecting appropriate algorithms and setting up initial parameters.

Specific Task: Complete survey data collection by the weekend of Week 2.

Week 3: Model Training and Early Analysis

Milestone: Conduct initial model training and early data analysis.

- **Haoyu:** Focus on data preprocessing and feature engineering to optimize model input.
- **Yixuan:** Perform initial model training sessions, adjusting parameters based on early results and exploratory data analysis.

Week 4: In-depth Data Analysis and Code Optimization

Milestone: Advance data analysis and optimize code for efficiency.

- **Haoyu:** Lead advanced statistical analysis of the data, extracting key insights and trends.
- **Yixuan:** Refine and optimize the codebase for better performance and scalability of the model.
- **Key Meetings:**
 - Monday at 10 AM: Review and discuss Report Checkpoint.
 - Wednesday at 10 AM: Evaluate and refine Code Checkpoint.

Week 5: Comprehensive Model Evaluation and Poster Design

Milestone: Perform comprehensive model evaluation and start poster design.

- **Haoyu:** Conduct in-depth model evaluation, including error analysis and validation techniques.
- **Yixuan:** Design the project poster, focusing on visually representing the model's architecture, performance metrics, and key findings.
- **Key Meeting:** Wednesday at 10 AM for Poster Checkpoint Discussion.

Week 6: Refinement of Deliverables and Web Development

Milestone: Complete all project deliverables with a focus on web development.

- **Haoyu:** Contribute to the final report, particularly on the sections detailing model evaluation and conclusions.
- **Yixuan:** Lead the development of the project website, incorporating interactive elements to demonstrate the model's functionality and key results.
- **Key Meeting:** Wednesday at 10 AM for Website Checkpoint Discussion.

Notes

- Engage in regular mentor check-ins for feedback and guidance.
- Ensure flexibility in the schedule to adapt to project needs and challenges.
- Collaborate effectively in meetings for planning and progress tracking.
- Dedicate sufficient time each week to meet the project's technical demands and course requirements.