



DAS24_MDE-BSC-01_Data Mining
Spring 2024

Instructor - Prof. Dr. Adalbert F.X. Wilhelm
Teacher Assistant – Aiman Alam

[Data Mining Final Examination Assessment Guidelines](#)

Overview

Welcome to the final examination assessment for the Data Mining course. This document outlines the three parts of the assessment, their respective deadlines, and the criteria for evaluation. The assessment is designed to gauge your understanding, application, and creativity in data mining concepts and techniques.

Important Dates

Proposal Submission: Second Week of March.

Project Progress Update: Second Week of April

Final Report Submission: End of the semester

Part 1: Proposal (20%)

Submission Deadline: Second Week of March

Format: Presentation (5 minutes/team)

Requirements

Project Ideas: Clearly articulate the data mining project you plan to undertake.

Implementation Plans: Briefly outline how you intend to implement your project, including the tools and techniques you plan to use.

Purpose of the Project: Explain the significance and relevance of your project. Why have you chosen this particular topic?

Learning Outcomes: Clearly state what you aim to learn from this project and how it aligns with the objectives of the course.

Please Note : To be in line with the **Bremen Big Data Challenge**, teams can be up to three students.

Evaluation Criteria

- Clarity and coherence of the proposal
- Relevance and feasibility of the project idea
- Understanding of data mining concepts and techniques
- Articulation of learning outcomes

Part 2: Project Progress Update (30%)

Submission Deadline: Second Week of April

Format: Progress report and presentation (10 minutes/team)

Requirements

During this phase, you will showcase your progress in implementing your project. Your presentation should cover the following aspects:

Implementation Update: Demonstrate the progress of your project. Have you successfully implemented your ideas?

Analysis and Outcomes: Discuss the analysis you have conducted so far. Are the results as expected? Highlight any unique findings or interesting insights.

New Ideas or Plans: Share any new ideas or plans that have emerged during the process. Are there additional aspects you would like to explore?

Learning Reflections: Discuss any new techniques or tools you have learned and applied to your project.

Evaluation Criteria

- Progress made since the proposal submission
- Analysis conducted and outcomes obtained
- Creativity and innovation in exploring the project
- Utilization of learned techniques
- Clarity and effectiveness of the presentation

Part 3: Final Report (50%)

Submission Deadline: End of the Semester

Format: Comprehensive report

Requirements

The final part involves submitting a comprehensive report at the end of the semester. This report should encapsulate all aspects of your project, including:

Project Overview: A detailed description of your project, its goals, and objectives.

Implementation Details: Comprehensive documentation of the implementation process.

Analysis and Results: depth analysis of the data and presentation of results.

Reflection and Conclusion: Reflect on your project's journey, challenges faced, and lessons learned. Conclude with the overall significance of your findings.

Evaluation Criteria

- Depth and comprehensiveness of the report
- Quality of analysis and interpretation of results
- Clarity and coherence of writing
- Conclusions drawn and future directions suggested
- Overall presentation and professionalism

Important Requirements

GitHub Account: It is mandatory for each student to have a GitHub account to upload project progress continuously throughout the semester. For team projects, it is essential for each member to uphold an individual GitHub account, as your consistent contributions will be evaluated independently for individual grading. Utilize a common project repository for collaborative work, where each member can commit their respective tasks.

Continuous Progress Monitoring: Remember, consistent effort throughout the semester is crucial. Please don't wait until the end to start working on your project. Regular progress checks will be conducted by the professor and the TA to ensure consistent engagement throughout the semester.

Grading Distribution

Proposal: 20%

Progress Update: 30%

Final Report: 50%

Conclusion

This assessment is designed to encourage continuous learning and engagement with data mining concepts and techniques throughout the semester. Your active participation and dedication to the project will contribute significantly to your final grade. Embrace the opportunity to delve into real-world data challenges and demonstrate your skills!

We look forward to witnessing your innovative projects unfold throughout the semester. Good luck, and feel free to reach out to the professor or TA for any clarification or assistance.

Happy Semester

