SEAS 8515 - Data Engineering for AI
Final Discussion Summary

Due Date: June 1, 2024 (10:00am EST)

Objective

The goal of this paper is to demonstrate how you can apply the data engineering concepts learned in this course to address a real-world research or business problem in your field of practice or professional career.

Format

- **Length:** 3-4 pages, not including references.
- **Font:** Times New Roman, 12-point font size.
- **Spacing:** Double-spaced.
- **Margins:** 1 inch on all sides.
- **Citation Style:** APA.

Sections to Include

Introduction

Introduce the topic and state the research or business problem. Clarify the purpose of the paper.

Description of the Research/Business Problem

Provide a detailed description of the problem and discuss its importance and potential impact within your field.

Data Overview

Describe the data available or required, including its source and characteristics such as volume, variety, velocity, and veracity.

Data Engineering Methods

Outline specific data engineering techniques and tools you would use. Include steps for data preprocessing, cleaning, transformation, integration, storage, and retrieval.

Application of Concepts to the Problem

Discuss how the concepts learned in the class are applied to the data, addressing scalability, efficiency, and potential challenges.

Conclusion

Summarize key points and reflect on how this application might evolve with further advancements in the field.

References

List all sources in APA format, ensuring they are credible and relevant to your topic.

Submission

Submit the paper in MS Word or PDF format via the course submission portal, including your name, course title, and date in the header or footer of each page.

Additional Tips

- Aim for clarity and coherence in your writing.
- Consider using diagrams or flowcharts to illustrate data flows or architectures.
- Review the provided rubric to ensure all required elements are thoroughly covered.