

CSCE 5320: Scientific Data Visualization

Increment 1

Project Description:

The introduction should be composed of the following

1. Project Title and Team Members
2. Goals and Objectives:
 - Motivation
 - Significance
 - Objectives
 - Features

Increment 1 Guidelines

For all the visualization developed for this increment, write a documentation describing the design, implementation, testing, and deployment (including descriptions and screenshots).

- Domain
- Data Abstraction
 - Dataset (Type and Attributes)
- Task Abstraction
 - Task (Target and Actions)
- Implementation using tools
 - Describe the tools
- Preliminary Results for Analysis
 - Visualization graphs
- Project Management
 - Implementation status report
 - Work completed:
 - Description
 - Responsibility (Task, Person)
 - Contributions (members/percentage)
 - Work to be completed
 - Description
 - Responsibility (Task, Person)
 - Issues/Concerns
- References/Bibliography

Note: The references must be linked in the document.

Increment 2 Guidelines

For all the visualization developed for this increment, write a documentation describing the design, implementation, testing, and deployment (including descriptions and screenshots).

- Introduction
 - Domain
 - Workflow diagram with explanation
- Background
 - Related work for your topic with linked references
- Data Abstraction
 - Dataset (Type and Attributes)
 - Detailed description of Dataset
 - Detail design of Features with diagram
 - Data Transformation
- Task Abstraction
 - Task (Target and Actions)
 - Workflow diagram with explanation
- Implementation using tools
 - Describe the tools used for each visualization
- Results for Analysis
 - Visualization graphs with detailed explanation
- Story Telling
 - Answer questions given in all Chapters
- Project Management
 - Implementation status report
 - Work completed:
 - Description
 - Responsibility (Task, Person)
 - Contributions (members/percentage)
- References/Bibliography

The reference must be linked in the document.

Submission Guidelines:

1. Submit your source code, dashboard and documentation (doc/pdf file) including images (as per requirements) to Canvas.
2. Source code must be properly commented.
3. The documentation should include the detailed description, analysis, and different visualizations.
4. Submit a brief demo video showing your analysis and visualization using different tools and project tasks with a voice over explaining your work through the submission link.
5. Submit a presentation video for your final project.
6. Upload the results and other visualization (images) in one zip folder.
7. The similarity score for the document should be less than 15%.