midterm review

1 Subjects

1. Introduction – visualization stages, perceptual processing, types of data

2. Visualization Evaluation

3. User studies and frameworks

4. Color

5. Scientific visualization

6. Trees, Graphs, and Networks

7. From textbook

8. Visual Analytics (not in test)

2 Knowledge types being tested

1. What are th emost important concepts/aspects (where to use, what kinds, how to solve this problem)

2. How yo improve or enhance its usage (example: improve use of color)

3. What is the most creative or effective way to advance visualization

4. How can various areas be leveraged and combined to enhance a visualization

5. How to apply these areas in improving understanding in a particular application area?

3 Question types

1. Sketch a visualization and explain why it is effective
Bring colored pencils!

2. Aplication of perception theory

3. Analyze how to combine visualization principles

4. Short answer and multiple choice on concepts and guidelines