

Data Visualization Assignment 1

Question 1 (25 points)

Find one follow up paper to Miller's work. Summarize the paper in 500 words and include the contributions, and how it argues with or extends Miller's work. Include the reference.

Question 2 (25 Points)

Find an alternative way to display Florence Nightingales Graph on Diagram of the Causes of Mortality in the Army in the East. Sketching your graph on paper is fine. Describe how your approach uses preattentive features differently and use the discussion on preattentive features in class to show disadvantages and advantages of your approach, and Florence Nightingale's approach.

Question 3 (50 points)

- a) Using R, visualize the Iris dataset with 10 different univariate techniques. Include at least 2 glyph based approaches. For all graphs, use labels as appropriate. Submit the documented source code (40 marks)
- b) submit a pdf showing screen shots and a discussion of what type of information you can extract from your graphs (10 marks)