

Homework 2

1. Read the process of mapping data (variables) onto aesthetics and prepare a table as follows (20)

Variables	Type	Aesthetics
Numeric	continuous	Position, size, line width
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2. Explain the use of Sequential color scale and diverging color scale with examples (10)
3. What type of variables can be encoded in a bar plot? What are the points to avoid while creating bar plots? (20)
4. When does one use dot plots? What are the points to avoid while creating dot plots (10)
5. What are the pros and cons of pie chart, side by side bar plot, and stacked bar plot? Is a pie chart or stacked bar plot better than side by side bar plot for comparison? (20)
6. Give examples of visualizing nested proportions (10)
7. Give an example of a map-based visualization for continuous variable and discrete variable (10)