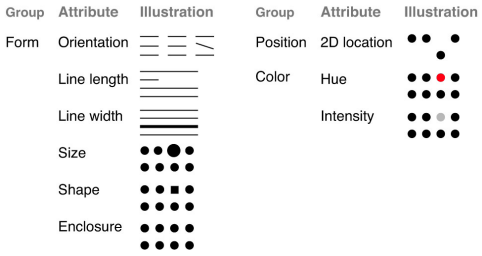
MGTI-40460
Final Exam Topics

1. Data Science Venn Diagram
2. Correctly identify dimensions and measures
    - Correctly identify measure types
3. Understand the use of tables and graphs. Be able to select if a Table or Graph is most appropriate for a given situation. Try the sample problems on p. 135 of your book.
4. Understand the 8 relationships used in graphs. Given a graph, be prepared to list relationship(s):
    - Time series
    - Ranking
    - Part-to-Whole
    - Deviation
    - Distribution
    - Correlation
    - Geospatial
    - Nominal comparison
5. Understand the 9 visual attributes that can be used to encode data:
    - Be aware of limitations of each. Given a graph, be prepared to list the visual attributes used.
        i. 

6. Select the most effective graph for each relationship type (p. 310 guide will help refresh).
7. Be ready to re-design ineffective graphs and explain your work. Practice with problems on p. 287.
8. Be ready to distinguish between preattentive and attentive visual processing.
9. Given a scenario, be able to draw the graph that most effectively communicates the intended message.
10. Data / Ink Ratio
11. Difference between Continuous vs Discrete in Tableau
12. Describe the 3 types of data
    - Structured
    - Semi-Structured
    - Unstructured
13. How to tell a compelling story with data - given a project describe the how you might present the data to engage the audience.
14. What is an API?