Final Study Guide

CAP 5738: Data Visualization

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*Everything in Midterm Study Guide is Included.

Sample Questions:

1. Convert this following data into XML and JSON.

TV Series	Year	Network	CriticScore	UserScore
The Big Bang Theory	2007	CBS	82	83
Game of Thrones	2011	HBO	95	94
Breaking Bad	2008	AMC	96	97
Stranger Things	2016	Netflix	94	94
Westworld	2015	HBO	94	92
Dexter	2006	Showtime	77	80
Prison Break	2005	Fox	68	80

2. Provide at least three visualization techniques for temporal data.

3. Draw a parallel coordinates diagram from the TV data above where the axes are: TV Series, Year, CriticScore, and UserScore.

4. Draw a radar chart diagram from the TV data above where the axes are: TV Series, Year, CriticScore, and UserScore.

5. Convert the following treemap into a tree visualization.

6. Create a node-link diagram with annotations from the following data:

Source	Target
Zeus	Aphrodite
Dione	Aphrodite
Graces	Aphrodite
Cronus	Zeus
Hades	Zeus
Hera	Zeus

7. Create a matrix diagram from the above given graph data.