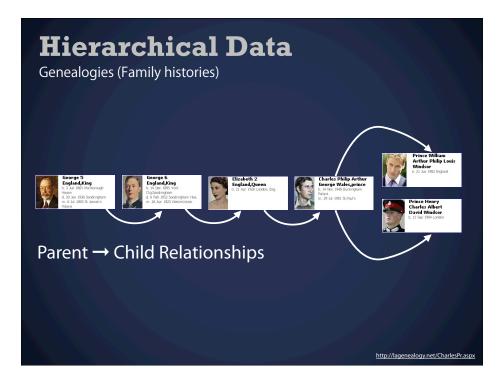


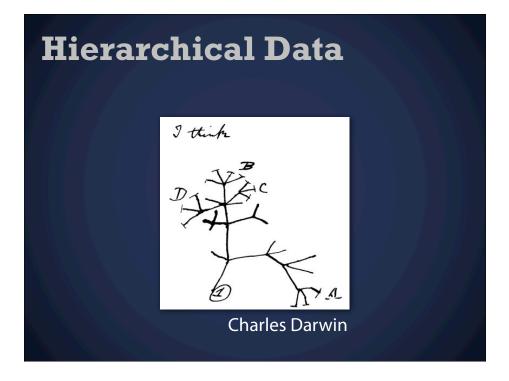
## Hierarchical **Data**

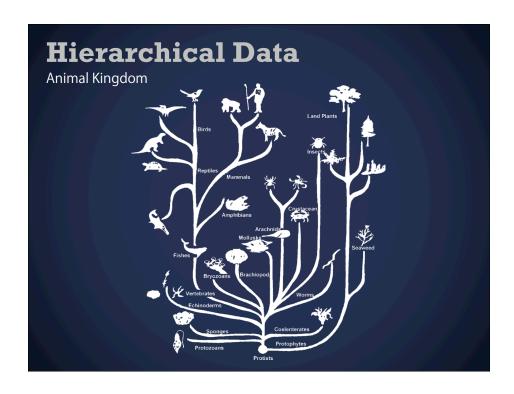
Genealogies (Family histories)

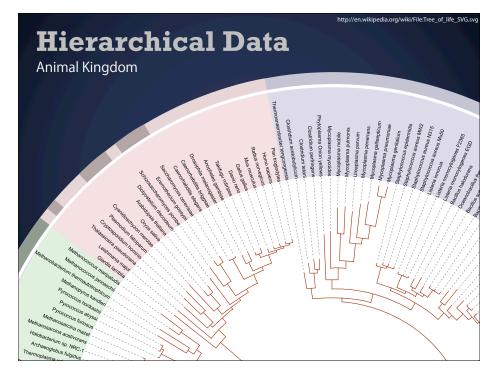
Genealogical tree of James I in five rows, with James and Anne at the top and Henry VII and Elizabeth at the bottom (1603)

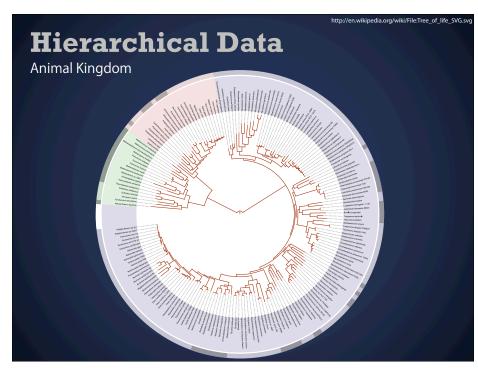


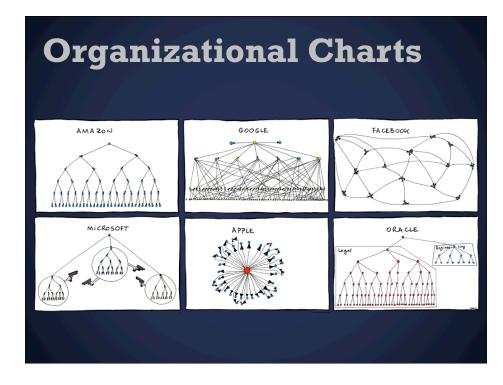


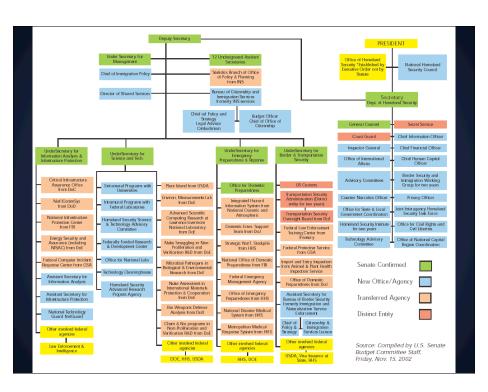


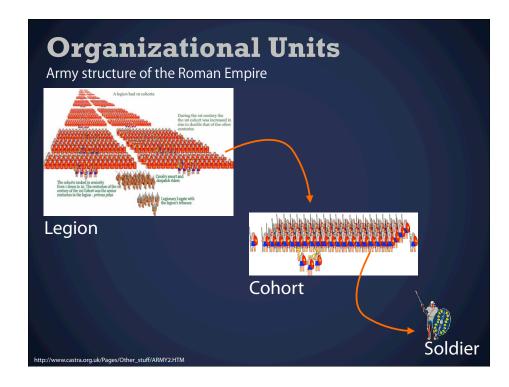


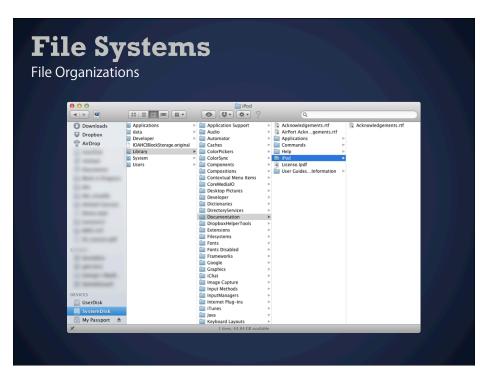


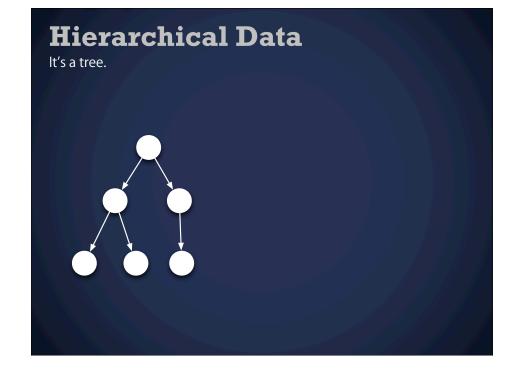


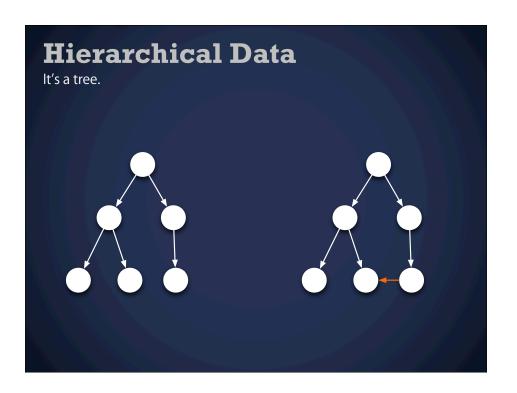


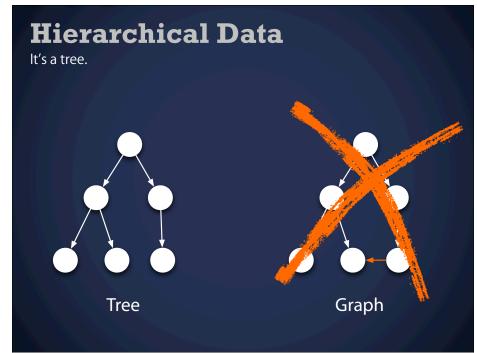


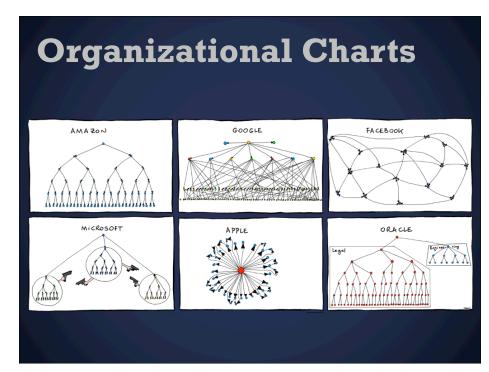


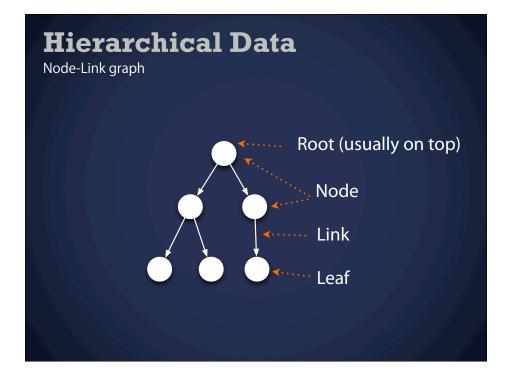


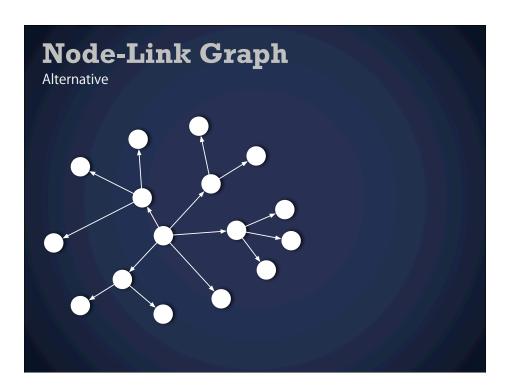


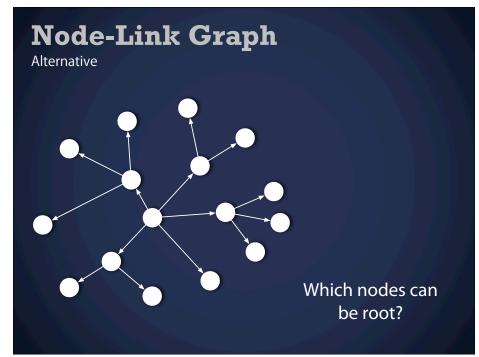


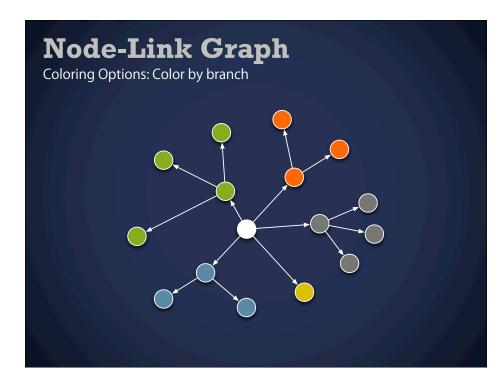


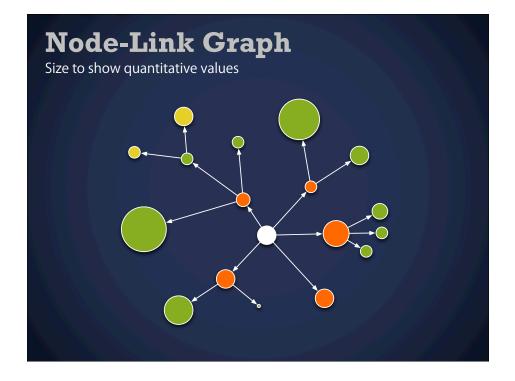


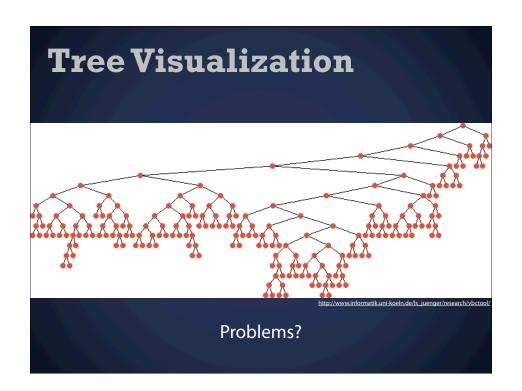


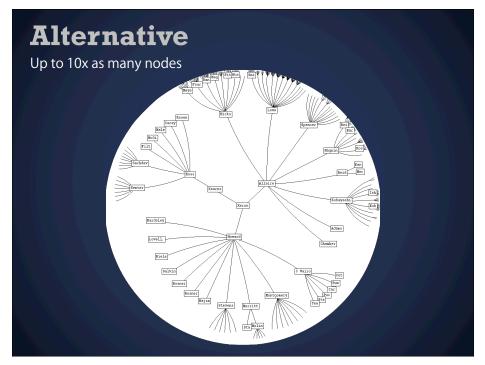


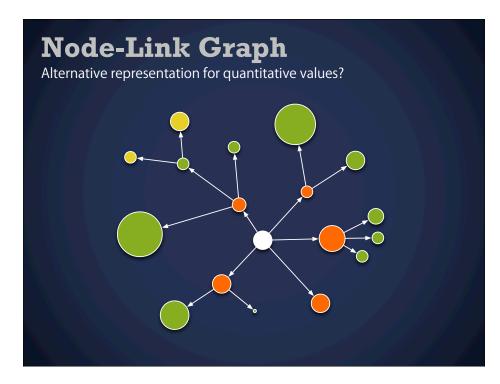


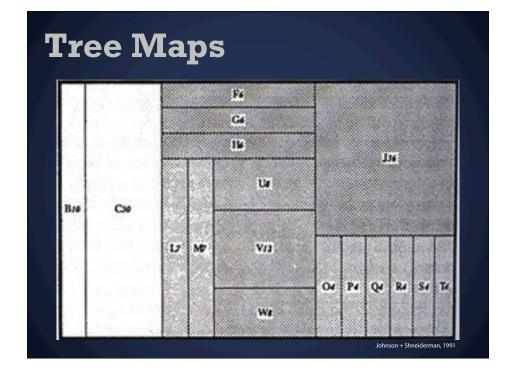


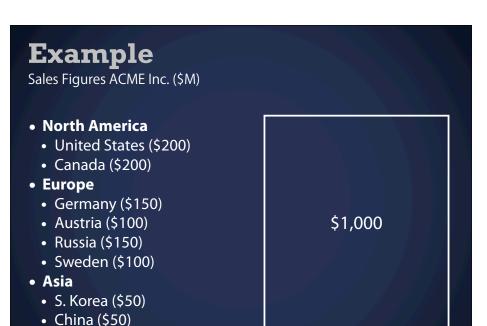


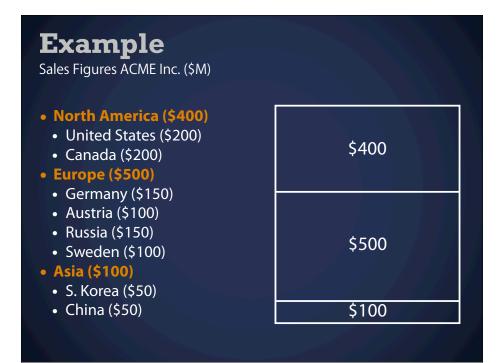


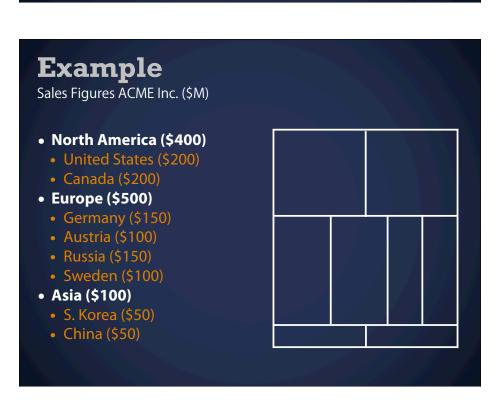




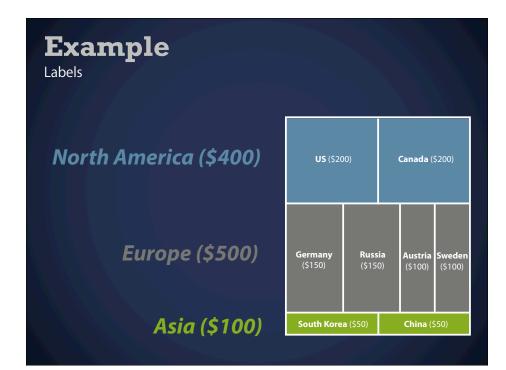


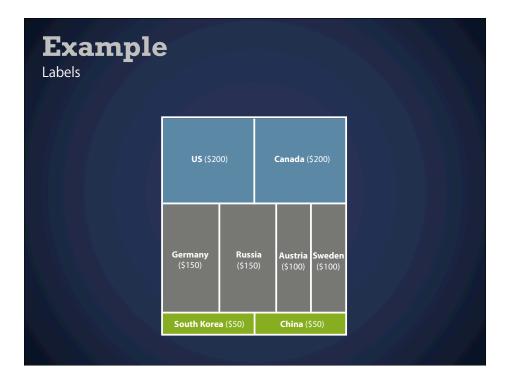


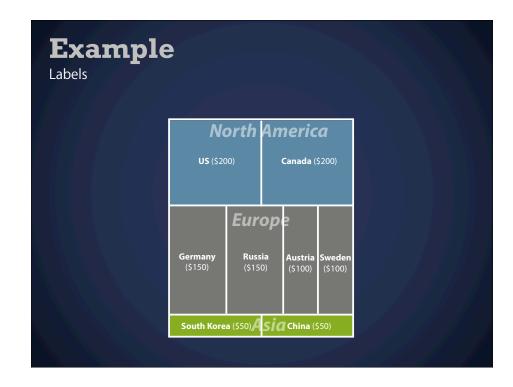


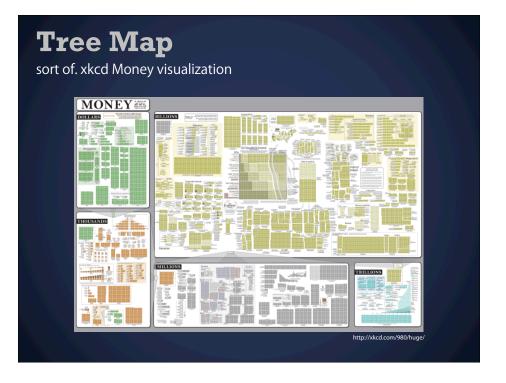




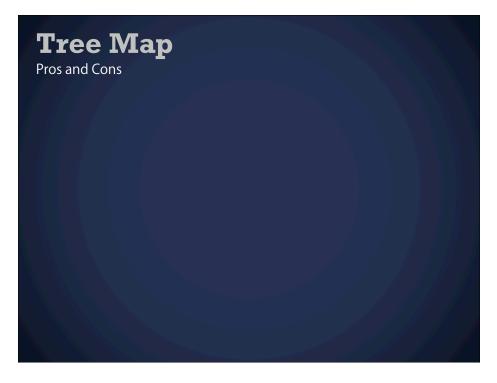






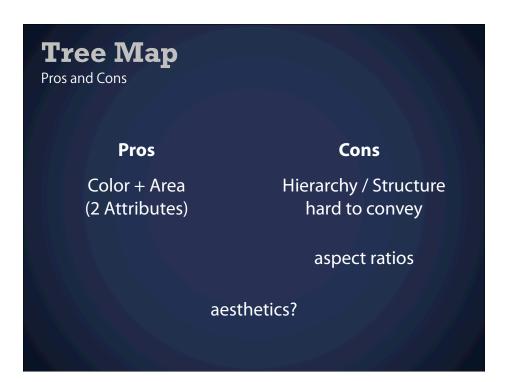


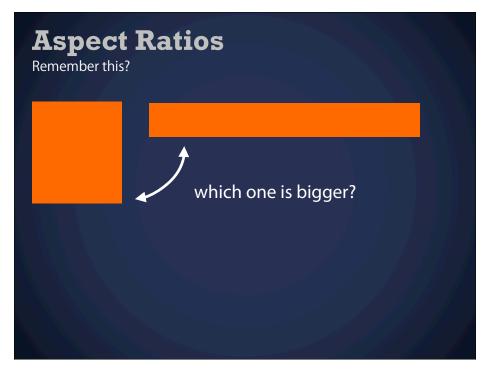


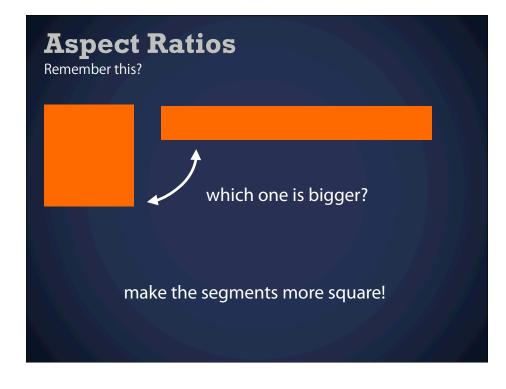


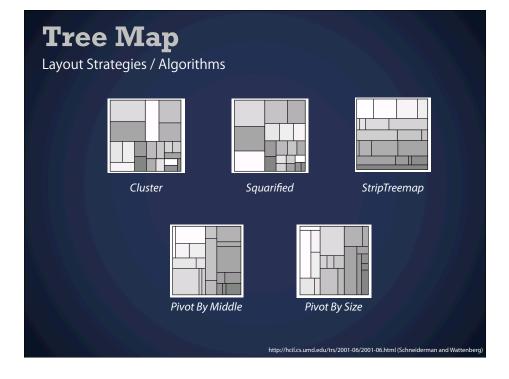


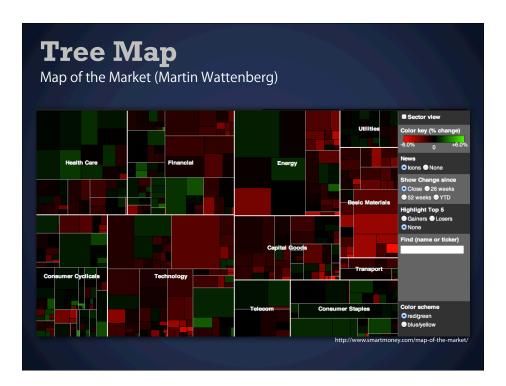


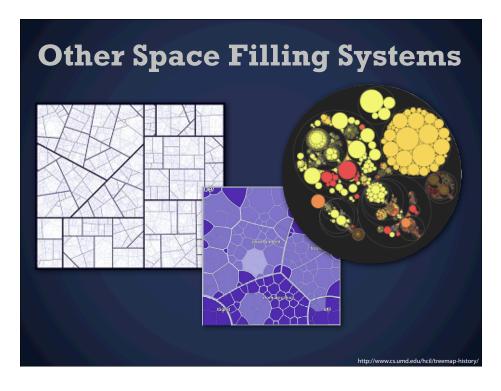


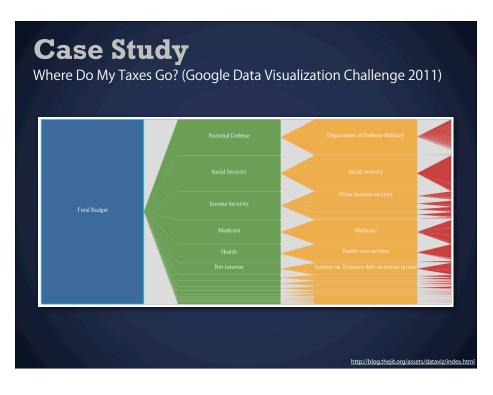


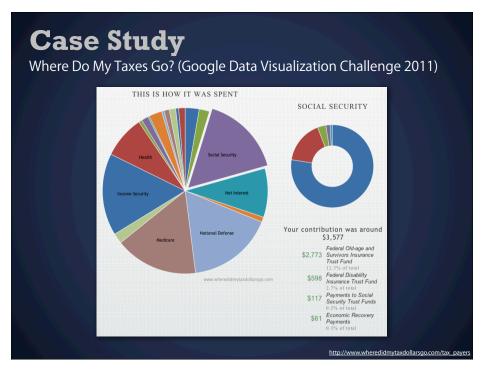


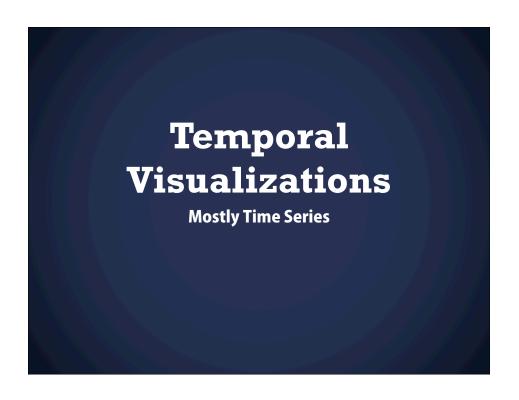


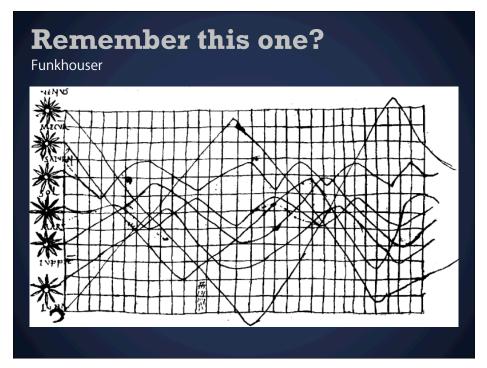


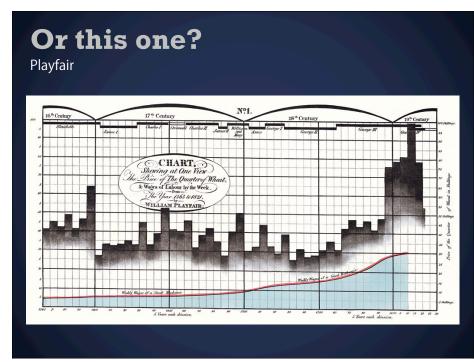


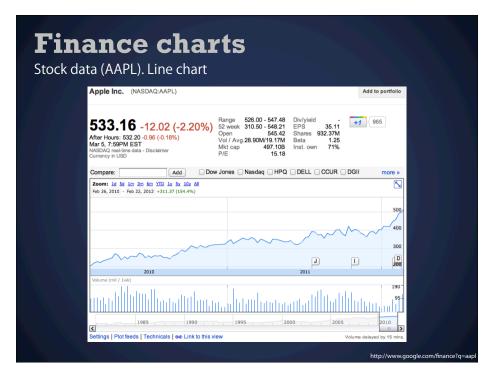


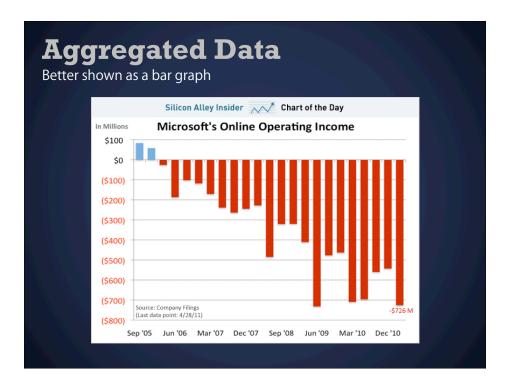


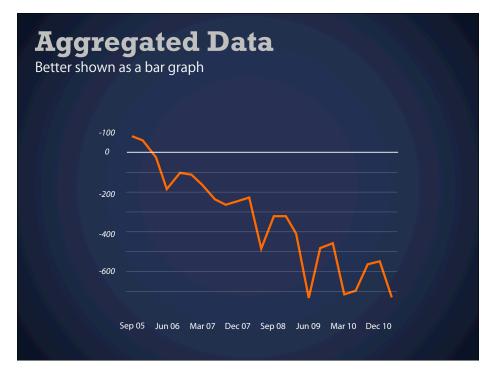


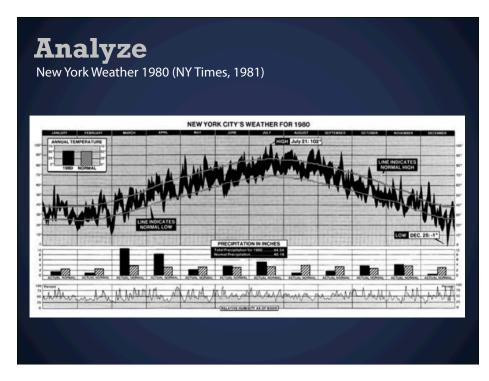


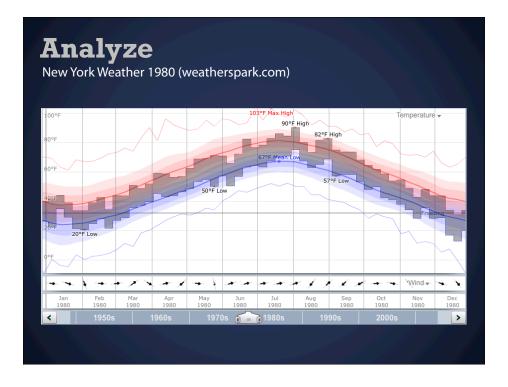












## **Time Series Data**

Of 4000 graphics from 15 newspapers and magazines ('74-'78), were time series

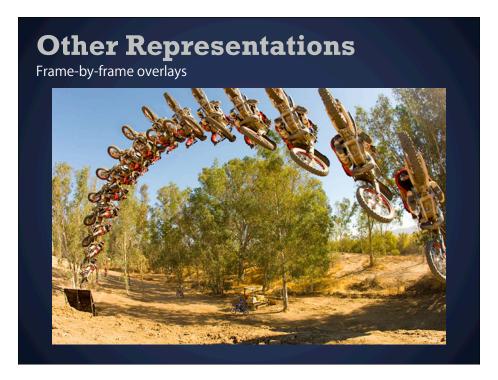
Tufte

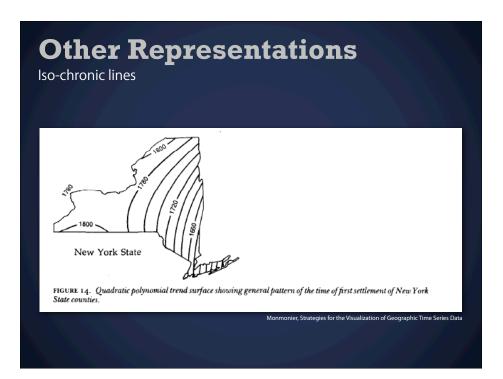
#### **Time Series Data**

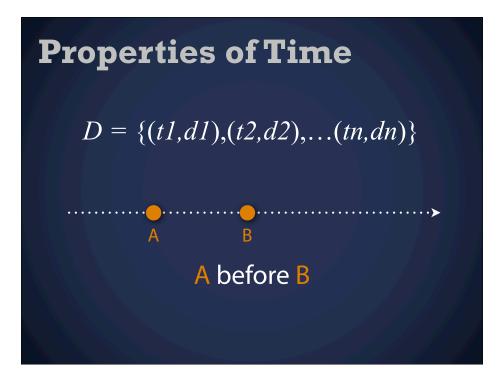
Of 4000 graphics from 15 newspapers and magazines ('74-'78), 75% were time series

Tufte

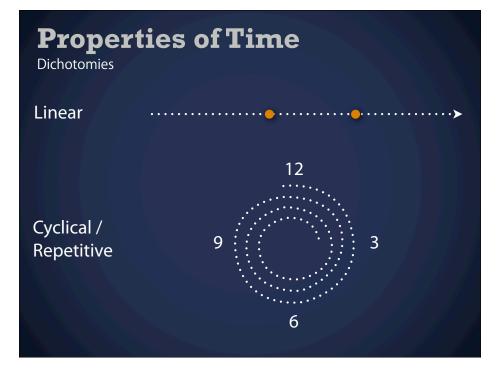


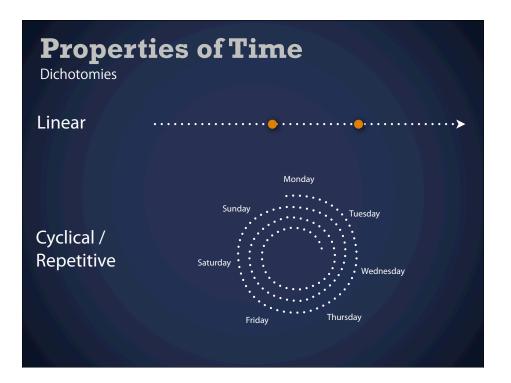


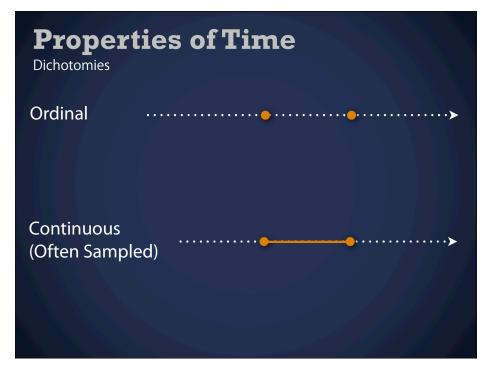


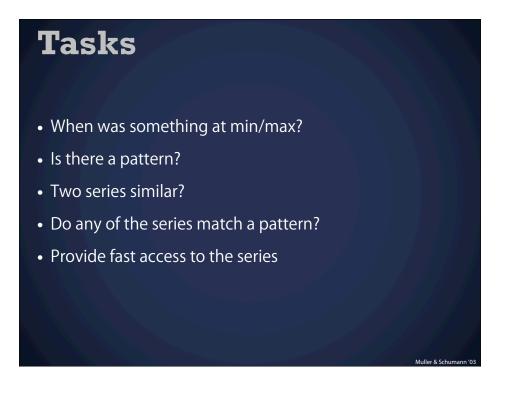


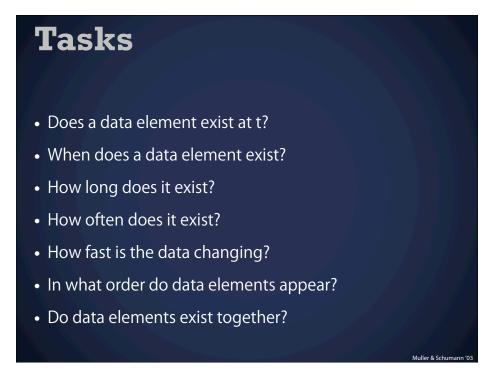


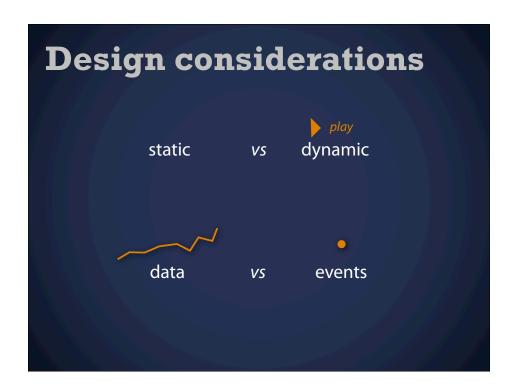




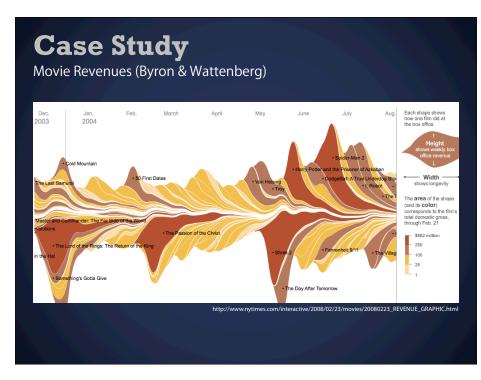


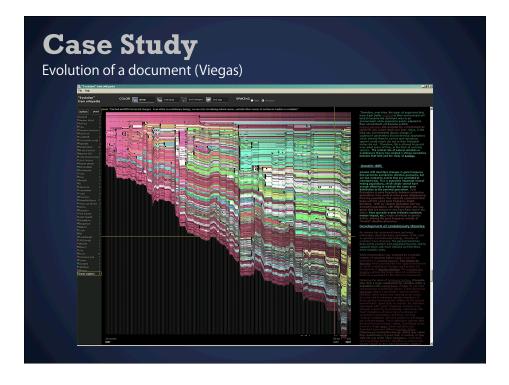


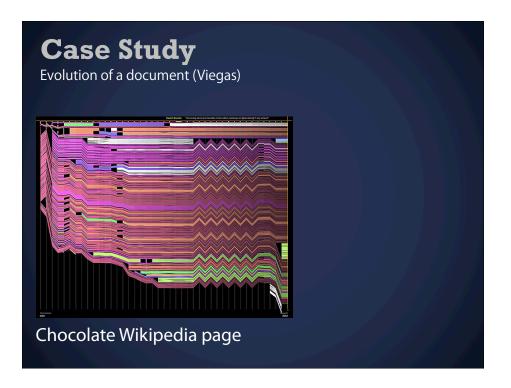


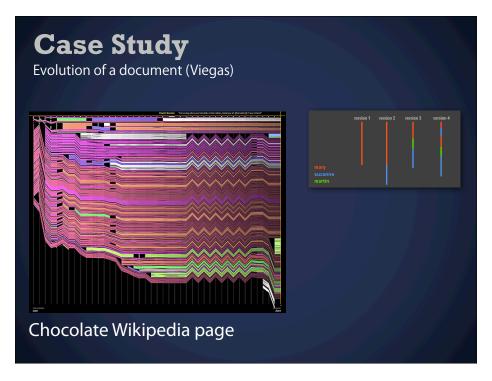


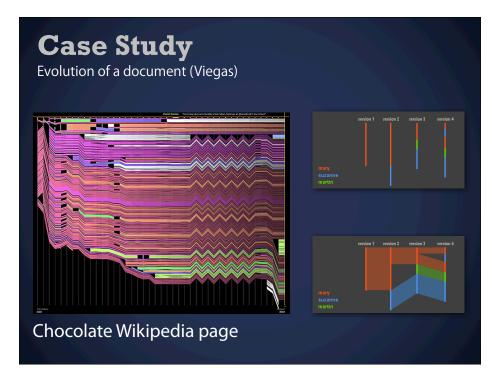


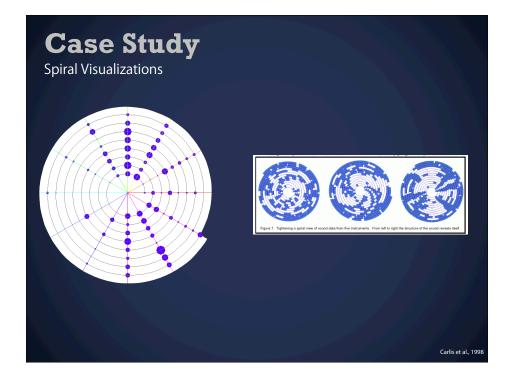
















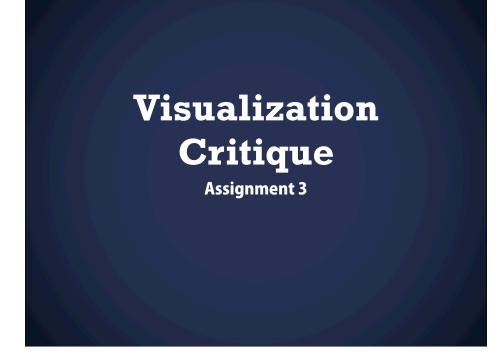












# **Critiquing Visualizations**

Critique the design, not the designer

DO

**DON'T** 

Listen before speaking.

Be overly nice

Suggest alternatives.

"That's interesting"

Avoid statements that refer to absolutes.

"That's stupid"

Point out good aspects.

### **Critiquing Visualizations**

Ouestions to consider

What is the user's intent? Does the visualization add value?

Could it have been done without interaction?

Is is intuitive?

Does is (still) make use of pre-attentive attributes?