

Crafting with Data

Reality, Illusions, Truth & the Future

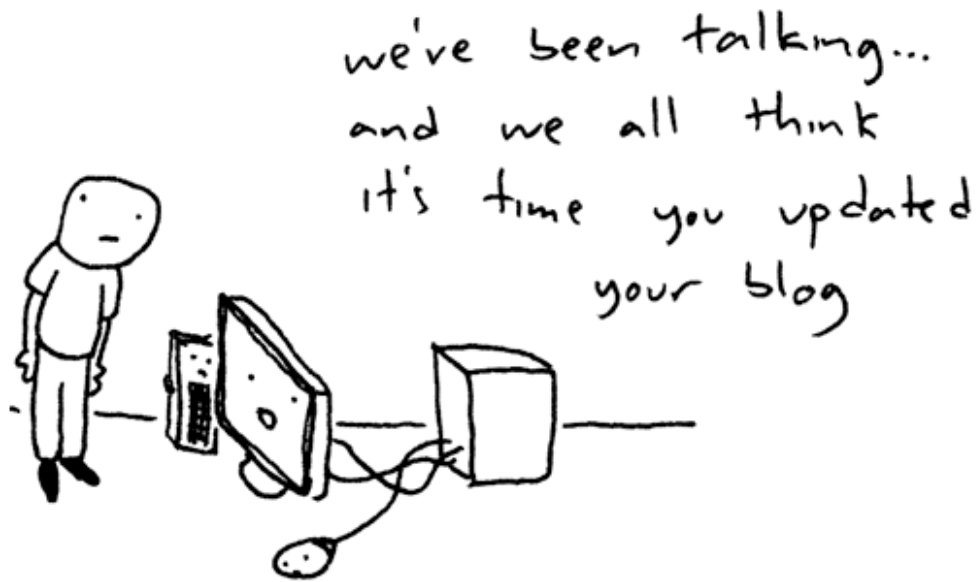
Instructor: Rob Faludi

Plan for Today

- Class blog
- Present data gathering redux
- Discuss readings
- Present self-portraits
- Measurement
- Readings & Assignments

Class Blog

- <http://itp.nyu.edu/craftingwithdata/>



- <http://itp.nyu.edu/blogs/craftingwithdata/wp-admin/>
- Good start. Now everyone should join in the fun.

Kidney Cancer Rates

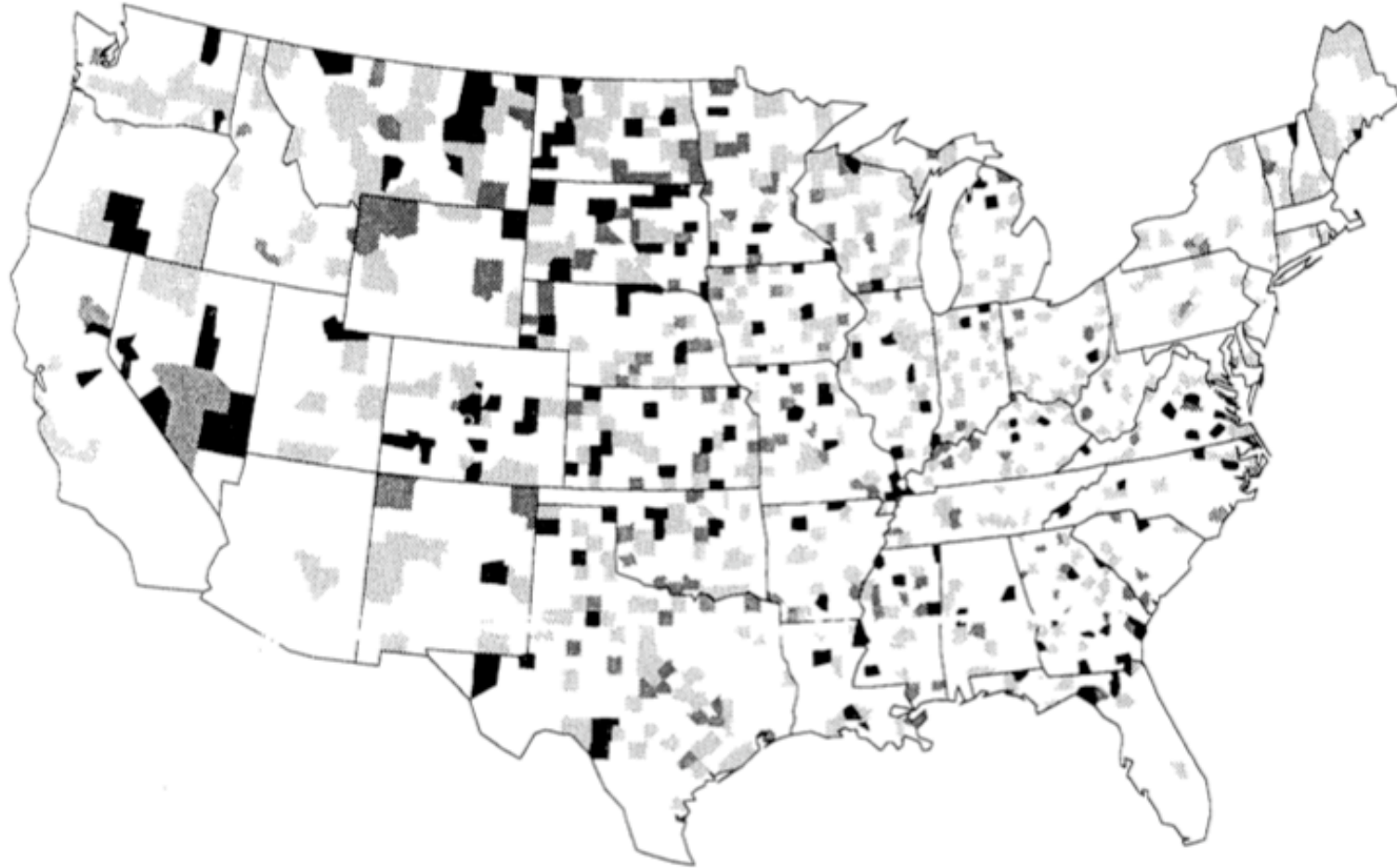


Figure 1. Counties of the U.S., with Three Levels of Shading Indicating the Counties with the Highest 25%, 10%, and 5% Age-Standardized Death Rates for Cancer of Kidney/Ureter for U.S. White Males, 1970—1979. From Manton et al. (1989).

Present data gathering redux

- Remind us what data you looked at and what
- What changes did you make from your first pilot?
- How were the results affected?

The Lady Tasting Tea

Present self-portraits

- Show us what you did
- Tell us about the data
 - what is it?
 - how was it collected?
- Reactions

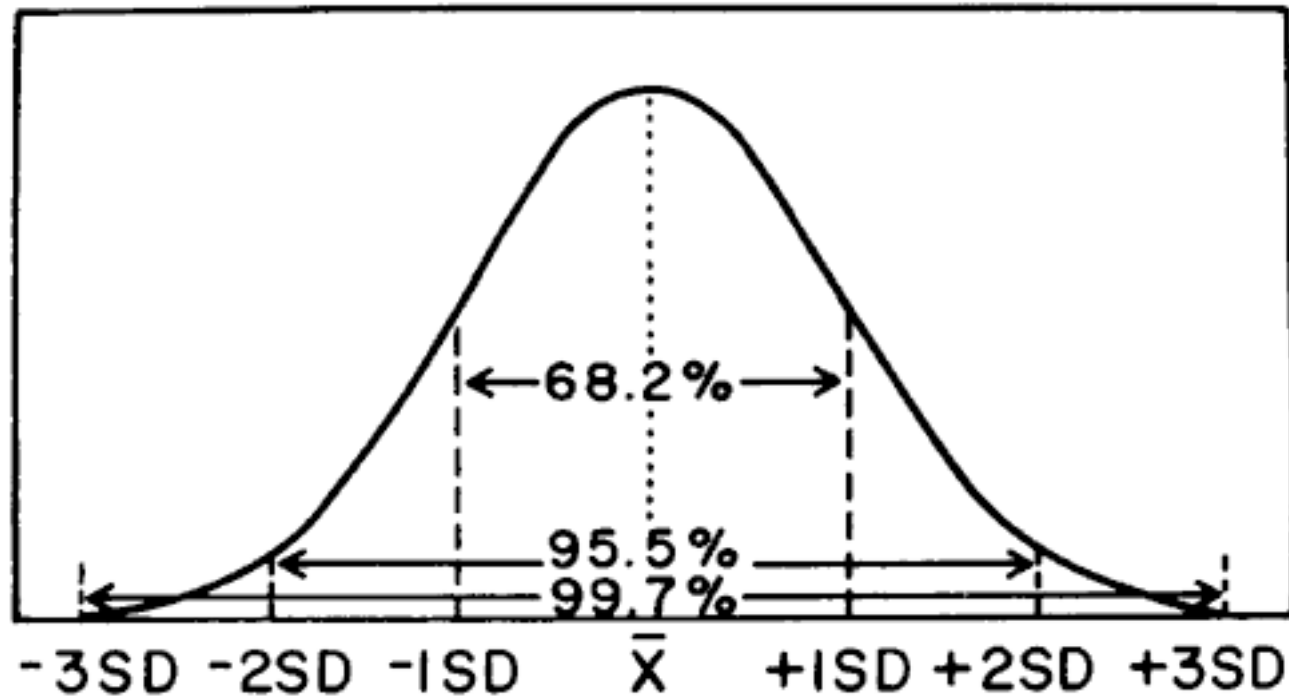
Measurement

- estimation
- error
- uncertainty
- units
- dimension
- dimensionless (ratios and products, units cancel out)

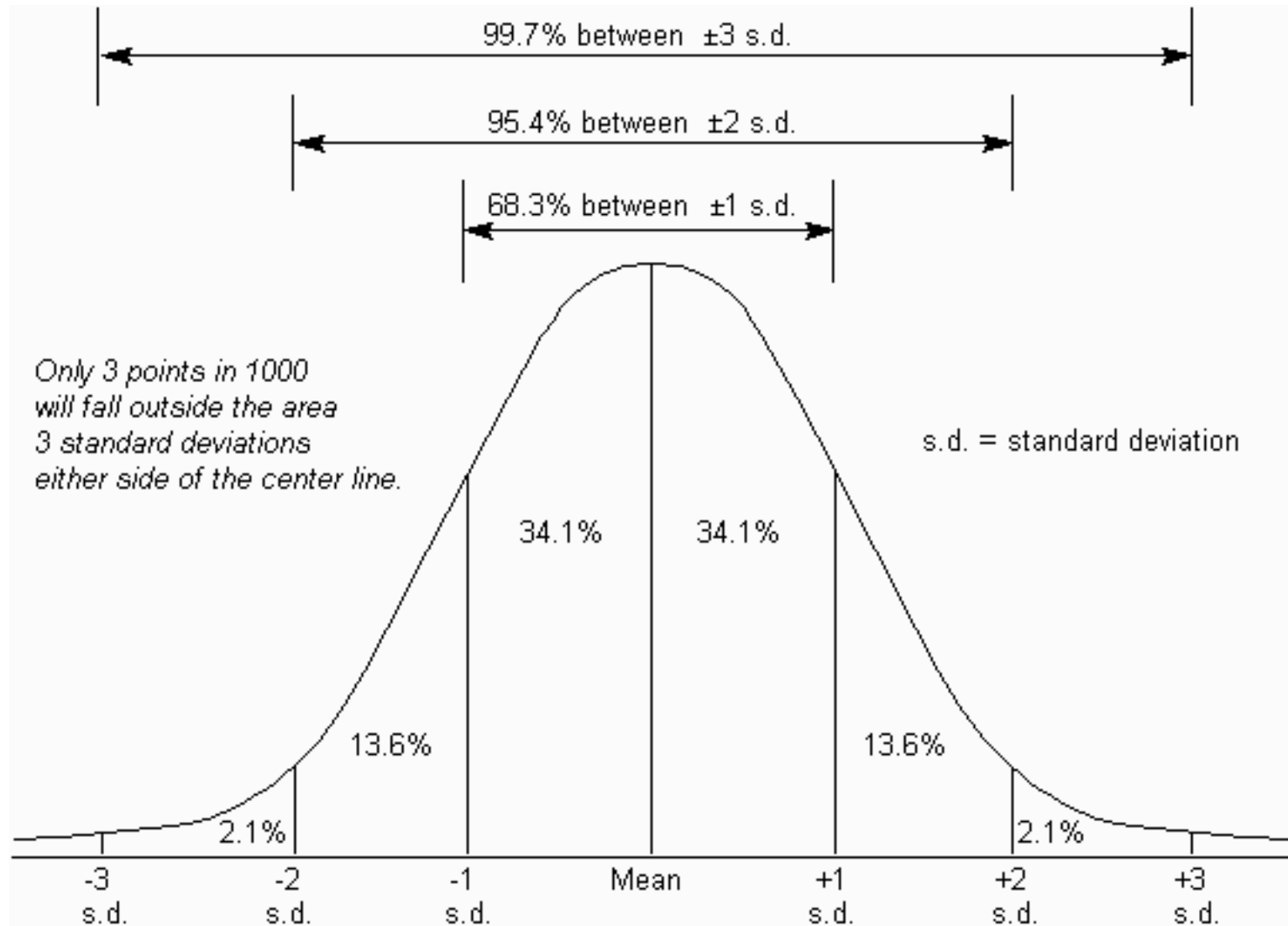
Measurement

- nominal scale
- ordinal scale
- interval scales
- ratio scales
- continuous variable
- discrete variable

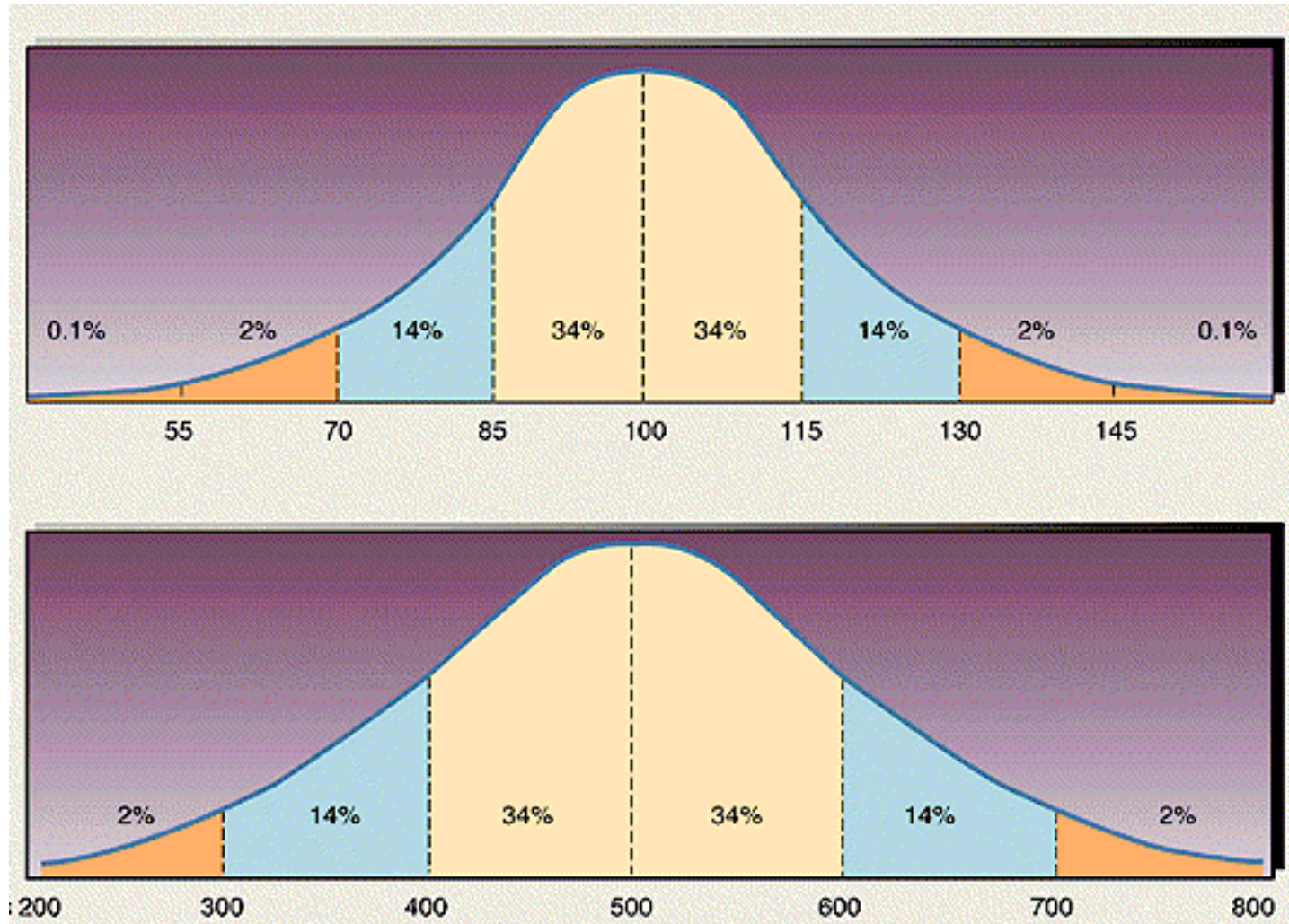
Parameters



Parameters



Parameters



Readings and Assignments

- Readings
 - Exploratory Data Analysis handout
- Assignments
 - Re-do data gathering assignment.

