12.d - Types of Bias

0) Turn in IT #11 - and Test Corrections

1) Assignment Questions so far...

2) Notes 12.d : Bias

3) Assignment Time

4) Prepare for Quiz 12

Pg. 288, #8-12, 15-18, 23
Types of Bias (and some other Samples)

Voluntary Response Sample
- large group invited to respond, all who respond are counted
  results in Voluntary Response Bias

Convenience Sample
- include individuals that are convenient to use
  results in bias either by Undercoverage
  or by not being a representative sample

Undercoverage
- a portion of the population is not sampled at all or
  has smaller representation than others

Types of Bias

Nonresponse Bias
- bias introduced when a large fraction of those sampled fail
  to respond
- Voluntary Response Bias is a form of Nonresponse Bias
  but there may be other instances

Response Bias
- anything in the survey design that influences responses
- wording, who is asking, what is being asked about all may
  be factors of influence
Assignment  (Due Wednesday, November 25)

1) Pg. 288b, #8-12, 15-18, 23

2) Pg. 288c, #13, 14, 25, 26, 32-35

3) Read Chapter 12, Pg. 285-287 (Review)