

STAT 231 — LECTURE 16

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Today

Assignment 2 is now due on Friday, October 27.

16.1 PPDAC (cont'd)

16.1.1 The Plan Step

Sampling people from a target population. The hierarchy of units is shown:

Target Population

↓ Study Error

Study Population

↓ Sample Error

Sample Population

↓ Measurement Error

Measured Variate Values

The errors are defined by the lower population having different attributes from its parent population. Also, the measurement error is when the measured variates are different from the true value of the variates (e.g., measuring blood pressure at a doctor's office might cause someone to be stressed, so the measured blood pressure is higher than expected).

16.1.2 Data Step

The purpose of this step is to collect data according to the Plan.

16.1.3 Analysis Step

Involves the analysis of the data and choosing an accurate model.