Anzur's Statistics Notes

1   Introduction to Statistics

1.1   Intro and Definitions

Lots of definitions:

Definition 1.1.1. The **population** is the group we wish to study. The **parameter** is the numerical summary of the (entire) population. The **sample** is the subset of the population from which we actually get information. A **statistic** is a numerical summary from the sample.

We will look at two types of statistical processes: descriptive statistics which uses numbers, tables, and graphs to summarize data, and inferential statistics, which uses information from a sample to infer facts about a population and measure how reliable the result is.