

# Statistics

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## 1 What is statistics

Basically, we apply statistics when we try to figure out what large populations of data are doing, based on smaller samples.

### 1.1 Properties of data

Sample Mean  $\bar{x} = TODO$

## 2 Probability

Notation:  $P(event) = p$  Sample Space: A list of all possible outcomes of an experiment is called, equally likely An event is a subset of a S