

Elementary Statistics

Managing Variability & Error

by
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Lesson Notes !!

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1.1

Section 1.1 An Introduction to Statistics

1.1.1

WHY study
statistics ?

Critical
Thinking

Read, understand
& be wary of
research.

DIY: You may need to
do research your-
self !!

1.1.2

Key Terms:

- Population: the entire collection of information that is of interest. Populations tend to be very large!
- Sample: a sample is a subset of a population.
- Parameter: a numerical summary value that characterizes a population.
- Statistic: a numerical summary value that characterizes a sample.
- Inference: using statistics to make conjectures about parameters.