

SECTION OVERVIEW

1.1: Introduction

Learning Objectives

Having read this chapter, you should be able to:

- Describe the central goals and fundamental concepts of statistics
- Describe the difference between experimental and observational research with regard to what can be inferred about causality
- Explain how randomization provides the ability to make inferences about causation.

“Statistical thinking will one day be as necessary for efficient citizenship as the ability to read and write.” - H.G. Wells

1.1.1: What Is Statistical Thinking?

1.1.2: Dealing with Statistics Anxiety

1.1.3: What Can Statistics Do for Us?

1.1.4: The Big Ideas of Statistics

1.1.5: Causality and Statistics

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