

# ELEMENTARY STATISTICS

## PRE & POST TEST QUESTIONS

1. It is the science of collecting, organizing, analyzing and interpreting data in order to make decisions.

- a) Data
- b) **Statistics**
- c) Variable
- d) Population

2. What is data?

- a) **Information coming from observations, counts, measurements or responses.**
- b) The science of collecting, organizing, analyzing, and interpreting data in order to make decisions.
- c) A numerical description of a population characteristic.
- d) A numerical description of a sample characteristic.

3. Complete the definition:

A \_\_\_\_\_ consists of all subjects (human or otherwise) that are being studied.

- a) Statistics
- b) Number
- c) People
- d) **Population**

4. Complete the definition:

A \_\_\_\_\_ is a subset of a population.

- a) **sample**
- b) people
- c) statistics
- d) group

5. It is a numerical description of a population characteristic.

- a) **Parameter**
- b) People
- c) Statistics
- d) Data

6. It is a numerical description of a sample characteristic.

- a) **Statistic**
- b) Statistics
- c) Parameter
- d) Data

7. In 2006, major league baseball teams spent a total of \$2,336,706,685 on players' salaries. Does this numerical value describe a population parameter or a sample statistic?

- a) **As it refers to (all) MLB teams (population), this is a parameter.**

- b) As it refers to (all) MLB teams (population), this is a statistic.
- c) As it refers to some MLB teams (sample), this is a parameter.
- d) As it refers to some MLB teams (sample), this is a statistic.

8. What is the symbol used for population mean?

- a)  $\mu$
- b)  $\bar{x}$
- c)  $\sigma$
- d)  $s$

9. What is the symbol used for population standard deviation?

- a)  $\mu$
- b)  $\bar{x}$
- c)  $\sigma$
- d)  $s$

10. What is the symbol used for population variance (i.e. standard deviation squared)?

- a)  $\mu$
- b)  $\bar{x}$
- c)  $\sigma^2$
- d)  $\sigma$

11. What is the symbol used for sample mean?

- a)  $\mu$
- b)  $\bar{x}$
- c)  $\sigma$
- d)  $s$

12. Which of the following is an example of a statistical question?

- a) What color shirt are you wearing?
- b) How many dogs do you have?
- c) **What are the favorite ice cream flavors of CMS 6th graders?**
- d) Is it a nice day outside?

13. What is the median of the following dataset?

112, 120, 107, 104, 109

- a) **107**
- b) 112
- c) 120
- d) 104

14. What is the mode of the following dataset?

2.4, 2.2, 2.4, 2.7, 3.1, 2.6

- a) 2.2
- b) **2.4**
- c) 2.6
- d) 3.1

15. What is the mode of the following dataset?

11, 13, 15, 13, 11, 13, 17

- a) 11
- b) **13**

# Basic Statistics Questions And Answers

**G Psacharopoulos**



## **Basic Statistics Questions And Answers:**

The book delves into Basic Statistics Questions And Answers. Basic Statistics Questions And Answers is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Basic Statistics Questions And Answers, encompassing both the fundamentals and more intricate discussions.

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  - Chapter 3: Basic Statistics Questions And Answers in Everyday Life
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