

# Reporting Statistical Results for the Social Sciences: A Comprehensive Guide



Number	Word
11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty

## From Numbers to Words: Reporting Statistical Results for the Social Sciences by Leia Stone

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Statistical analysis is a powerful tool that can be used to make sense of data and draw conclusions about the world around us. However, in order to be able to use statistical results effectively, it is important to be able to report them clearly and accurately.

This guide will provide you with everything you need to know about reporting statistical results for the social sciences. We will cover everything from descriptive statistics to inferential statistics, and we will provide examples of how to report each type of statistic.

## Descriptive Statistics

Descriptive statistics are used to summarize and describe data. They can be used to provide a quick overview of the data, and they can also be used to identify trends and patterns.

The most common descriptive statistics include:

- Mean: The average value of a set of data.
- Median: The middle value of a set of data.
- Mode: The most frequently occurring value in a set of data.
- Range: The difference between the largest and smallest values in a set of data.
- Standard deviation: A measure of how spread out a set of data is.

Descriptive statistics can be reported in a variety of ways, including tables, graphs, and charts. The best way to report descriptive statistics will depend on the specific data and the purpose of the report.

## **Inferential Statistics**

Inferential statistics are used to make inferences about a population based on a sample. They can be used to test hypotheses, estimate population parameters, and make predictions.

The most common inferential statistics include:

- Hypothesis testing: A statistical procedure used to determine whether there is a significant difference between two or more groups.
- Confidence intervals: A range of values that is likely to contain the true population parameter.
- Regression analysis: A statistical technique used to predict the value of one variable based on the value of one or more other variables.

Inferential statistics can be reported in a variety of ways, including tables, graphs, and charts. The best way to report inferential statistics will depend on the specific data and the purpose of the report.

## **Reporting Statistical Results**

When reporting statistical results, it is important to be clear, concise, and accurate. The following tips will help you to write effective statistical reports:

- Use clear and concise language.
- Define all statistical terms.
- Provide context for the results.
- Be aware of the limitations of the data.
- Proofread your report carefully before submitting it.

By following these tips, you can ensure that your statistical reports are clear, concise, and accurate.

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This guide has provided you with everything you need to know about reporting statistical results for the social sciences. We have covered everything from descriptive statistics to inferential statistics, and we have provided examples of how to report each type of statistic.

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