

Please check the box below to proceed.

I'm not a robot



reCAPTCHA  
[Privacy](#) - [Terms](#)

# AP STATISTICS EXAM FORMULA SHEET

**ENTIRE YEAR  
VOCABULARY!  
FORMULAS!  
STEP-BY-STEP FOR  
HYPOTHESIS TESTS!**

**AP STATISTICS EXAM FORMULA SHEET**  
In Alphabetical Order

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**AP.1**

| TERMS  | DEFINITION, FORMULA, or PROCESS   |
|--|---|
| <b>A</b> Alpha Level Definition                                    | A threshold p-value that determines when we reject a null hypothesis, also called the "significance level"                                      |
| Alpha Level Formula for One-Tailed Tests ( $H_a: < \text{or } >$ ) | $\alpha = 1 - CDF(-C)$  |
| Alpha Level Formula for Two-Tailed Tests ( $H_a: \neq$ )           | $\alpha = 2(1 - C)$   |
| And Probability of Multiple Events                                 | Events are independent $\rightarrow P(A \cap B) = P(A) \cdot P(B)$<br>Events are Not Independent $\rightarrow P(A \cap B) \neq P(A) \cdot P(B)$ |
| Area Principle   | The area occupied by part of a graph should correspond to the magnitude of the value it represents.   |
| Associated Variables   | Not independent: the distribution of one variable is NOT the same for all categories of the other variable                                      |
| Association - Moderate   | Data on a scatterplot are only somewhat close together  |
| Association - Negative   | As one variable increases, the other variable decreases; graph goes down and to the right   |
| Association - None   | One variable increasing has no effect on whether the other variable increases or decreases; graph has no clear direction                        |
| Association - Positive   | As one variable increases, the other variable increases; graph goes up and to the right   |
| Association - Strong   | Data on a scatterplot are very close together   |
| Association - Weak   | Data on a scatterplot are not close together at all   |
| Bar Chart  | A categorical variable display that shows the counts of each category in bars that NEVER touch (x-axis = categorical variable, y-axis = counts) |
| Binomial Trials  | A type of trials that are independent, have only 2 possible outcomes, a constant probability of success   |

  

**B**

**1-Proportion Z-Test**

1. Check conditions: IRTS.
2. Define p-hat.
3.  $H_0: p = \#$ ,  $H_a: p </> \neq \#$
4. Name the test.
5. Calculator: Stat, Tests, 1-PropZTest;  
 $p_0 = \#$  from  $H_0$ ,  $x = \#$  of successes,  $n =$  sample size, highlight inequality symbol from  $H_a$ .  
Write down everything on the final calculator screen.
6. Conclusion: "Using a one-proportion z-test, my p-value of \_\_\_\_\_ is  $</>$  my alpha level of 0.05. Therefore, I reject ( $<$ ) / fail to reject ( $>$ ) the null hypothesis. I do ( $>$  reject  $H_0$ ) / do not (state alternative hypothesis) (state alternative hypothesis) of \_\_\_\_\_ (context) is \_\_\_\_\_ (context) is \_\_\_\_\_"

  

**C**

*cheat sheet*

© Anna Frasier with The Frasier Method

# Table of Contents

**Equation Test Year Ebook {And to obtain the book you want, you merely have to type and look for it, then click on the title to go to a site with in-depth data. Following that, you are able to simply click its identify all over again and strike "GET" to download the eBook.**

### **Why do we use it?**

Equation Test Year Ebook We use cookies to give you the very best experience. Through the use of our Web site you agree to our use of cookies.

### **Where does it come from?**

Equation Test Year Ebook Documents evolve as time passes and should be up-to-date. PhantomPDF presents highly effective PDF Editor capabilities to allow authors to update their files by themselves.

Equation Test Year Ebook Pleased Santa Claus in the red costume and with minimal boy looking at the book. Grandfather and kid laughing although reading through a funny book.

The doctor tells Teresa he wants to locate a drugs which can cease folks getting river blindness, but he behaves unusually and Teresa feels she are unable to believe in him. What is actually occurring?.

When the body turns up in an abandoned well, Tracy's suspicions are verified. Estranged from her loved ones, the victim had balked at an organized marriage and experienced planned to attend graduate school. But another person Minimize her desires quick..

I am searching for a book you will bow down by Nicholas Bella I are already hunting for a totally free download each individual where I can't come across it. I'm hoping you are able to arrive by way of for me. You might be my previous hope..

**PDF Copyright ID :** *za08soyv4fd17expwi9j*

References:

[Equation Test Year Ebook](#)