

Forum:[Hack Forums](#)

Thread: [Anyone know how to do this? Stats](#)

Cryptic™ - July 30, 2017, 7:19 pm

Could someone show me how to do one of them?

pdiddy413 - July 30, 2017, 10:38 pm

To do this, you need either a T-chart or a graphing calculator (at least TI-83). I'll explain how to do both. First, you will need to know your degrees of freedom, which is $n-1$. Next, since you are performing an upper tail test, the two tails together is α , so the upper tail is $\alpha/2$, but the table and calculator use the number $1-\alpha/2$.

Using the first example: $1-\alpha=.9$, so $\alpha = .1$, and $\alpha/2$ is $.05$, so the number needed is $1-.05=.95$.

For degrees of freedom, $n-1 = 31-1 = 30$.

If you have a t-chart (located in the back of your stats book), df (sometimes labeled v) is usually the left column, and $1-\alpha/2$ is the top row. So if you intersect 30 & $.95$, you get 1.697 .

If you have a TI-83-84, use 2nd VARS 4 (InvT). If it gives the prompts: area & df, enter $.95$ and 30 respectively.

If it just opens up parenthesis then type $(.95, 30)$ (separated by a comma) then enter. Your result should be: 1.697260851 .

I hope this helps.

Cryptic™ - July 31, 2017, 12:57 am

(Jul 30, 2017 10:38 PM)pdiddy413 Wrote: [\[CITE\]](#) To do this, you need either a T-chart or a graphing calculator (at least TI-83). I'll explain how to do both. First, you will need to know your degrees of freedom, which is $n-1$. Next, since you are performing an upper tail test, the two tails together is α , so the upper tail is $\alpha/2$, but the table and calculator use the number $1-\alpha/2$.

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Got it. Thank you!