Function Arguments & Logical Tests

Total points 100/100

Use your knowledge of function arguments and logical tests to select the best answer to the questions below.

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✓ **To find the average of a data set, you must first_____.**   ***10/10**

○ Add all the items and divide the number by 2

○ Add all the items and divide the number by the maximum number

○ Add all the items and divide the number by the minimum number

◉ Add all the items and divide the number by the number of items   ✓

Feedback

Correct!! The mean is the average of the numbers. It is easy to calculate: add up all the numbers, then divide by how many numbers there are. In other words it is the sum divided by the count.

✓ A data set can have more than one mode. *   10/10

⦿ True   ✓

◯ False

Feedback

Correct!!! In a set of data, there can be two modes (bimodal), three modes (trimodal), or four or more modes (multimodal), and so on and so forth.

✓ At Round Rock Donuts the number of donut holes in a bag can vary.   *10/10
   Find the mode for the following data set.   12,
10, 10, 10, 13, 12, 11, 13, 10

◯ 13

◯ 11

◯ 12

⦿ 10   ✓

Feedback

Correct!! The mode is the element that occurs most in the data set.

✓ **What is the definition of a mode in excel?** *   10/10

○ The biggest number

◉ The number that is repeated the most.   ✓

○ The average.

○ A binary variable

Feedback

That is absolutely correct.

✓ **What is the difference between IF and IFS functions in Excel?** *   10/10

○ IFS functions lets you specify multiple IF conditions within one function call.

○ IFS allows tests for various conditions without repeating an IF function multiple times.

○ IFS function=both the expressions are evaluated. The IF function =only 1 expression evaluated.

◉ All the above   ✓

Feedback

Correct! Every answer is correct.

✓ Countif is a function that will divide the number of entries within a   *10/10
   range whereas, Sumif, is a function that will multiply the total number
   of numerical entries within a range if certain criteria are satisfied.

   ○ True

   ● False   ✓

   Feedback

   *Correct!!! Countif is a function that will count the number of entries within a range
   whereas, Sumif, on the other hand, is a function that will add the total number of numerical
   entries within a range if certain criteria are satisfied.*

✓ The Excel SUMIF function returns the sum of cells that meet a single   10/10
   condition.

   ● True   ✓

   ○ False

✓ **What are (3) Boolean operators? ***   10/10

○ Sumif, Countif, and IF

◉ AND, OR, and AND NOT   ✓

○ Greater Than, Less Than, and Equals To

○ Mean, Mode and Median

Feedback

Yes that is correct!!!

✓ **What is a conditional formula? ***   10/10

○ Multiple Choice Tests

○ A determining factor of absolutes in an equation

◉ An expression that evaluates the condition of a true or false value.   ✓

○ Colors and shades to separate data

Feedback

Correct!!!! A conditional formula returns one value if the condition is True and a different value if the condition is False.

✓ **What tools can assist in formula creation? ***   10/10

○ Insert Function Window

○ Formula Wizard

○ The "fx" button within the formula bar

◉ All the above   ✓

Feedback

Correct!! All the above is the overall correct answer.

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