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Use a function to count cells between two values in Excel

by Mary Ann Richardson | More from Mary Ann Richardson | Published: 6/6/06
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Takeaway:
Are you ready to teach Excel a new trick? Mary Ann Richardson explains how to count the number
of cells whose values fall between two particular numbers in a certain range automatically.

Excel has no built-in function that can
count the number of cells whose values
fall between two numbers in a range.
Rather than writing a new formula every
time you want to make that calculation,
you can build your own function that you
can use whenever you wish.

Let's say you've entered a list with the
number of years your employees have
been at the company in the range
H1:H400. You want to know how many
of them have been at the company
between 10 and 20 years. You can build
a function that finds the answer by
following these steps:

1.   Press [Alt]F11.
2.   Enter the following code at the prompt:

```
Function COUNTBETWEEN(rng, num1, num2)
COUNTBETWEEN = Application.CountIf(rng, "<=" &
num2) - Application.CountIf(rng, "<" & num1)
End Function
```

3.   Press [Alt]F11.

To use the function, enter the following formula in a blank cell:

```
=COUNTBETWEEN(H1:H400,10,20)
```

The function will return the number of employees whose tenure is greater than or equal to 10
(num1) and less than or equal to 20 (num2). You can subsequently use this function on any

other range of data.

Miss a tip?
Check out the Microsoft Excel archive, and catch up on our most recent Excel tips.

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Great idea, but what happens when I send the Excel file to someone else? *NEW*
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