

# IF(s)

Wouter van Betten  
[Info@PcTraining.be](mailto:Info@PcTraining.be)



# Inhoud

- CountIF  
AverageIF  
SumIF
- CountIFS  
SumIFS  
AverageIFS

Inhoud

# Met 1 voorwaarde

**Sum & Count & Average met IF**

# CountIF

- Tellen aantal cellen
- + 1 criterium/voorwaarde mogelijk -> "criterium"
  - "6" 1
  - ">5" 5
  - "<5" 3
  - ">=6" 5
  - "<=7" 5
  - "<>10" 9
  - "Niets" 1
  - "" 1
  - "N\*" 1
  - "\*ie\*" 1

The screenshot shows an Excel spreadsheet with the following data in column A:

| A           | B              | C | D | E | F | G | H |
|-------------|----------------|---|---|---|---|---|---|
| 1 Aantallen |                |   |   |   |   |   |   |
| 2 1         | CountIF        |   |   |   |   |   |   |
| 3 2         | =(A2:A11;">5") |   |   |   |   |   |   |
| 4 3         |                |   |   |   |   |   |   |
| 5 Niets     |                |   |   |   |   |   |   |
| 6           |                |   |   |   |   |   |   |
| 7 6         |                |   |   |   |   |   |   |
| 8 7         |                |   |   |   |   |   |   |
| 9 8         |                |   |   |   |   |   |   |
| 10 9        |                |   |   |   |   |   |   |
| 11 10       |                |   |   |   |   |   |   |
| 12          |                |   |   |   |   |   |   |

The "Function Arguments" dialog box for the COUNTIF function is open, showing the following details:

- Range:** A2:A11 = {1;2;3;"Niets";0;6;7;8;9;10}
- Criteria:** >5 = ">5"
- Result:** = 5
- Description:** Counts the number of cells within a range that meet the given condition.
- Criteria:** is the condition in the form of a number, expression, defines which cells will be counted.

## SumIF/AveragelF 1

- Optellen/Gemiddelde van getallen in cellen
- + 1 voorwaarde (criterium): beperking van de sum
- Voorwaarde heeft betrekking op de getallen zelf:
  - Criterium bereik wordt zelf ook opgeteld:

Geen apart

SOM/GEMIDDELDE getal bereik nodig

|    | A           | B               | C            |
|----|-------------|-----------------|--------------|
| 1  | <b>Post</b> | <b>Bedrag</b>   |              |
| 2  | Brood       | 20              |              |
| 3  | Water       | 60              |              |
| 4  | Koffie      | 45              |              |
| 5  | Thee        | 12              |              |
| 6  | Snack       | 20              |              |
| 7  | Auto        | 60              |              |
| 8  | Trein       | 45              |              |
| 9  | Bus         | 12              |              |
| 10 |             |                 |              |
| 11 |             | <b>Criteria</b> | <b>SumIF</b> |
| 12 |             | >=45            | € 210,00     |
| 13 |             | >=60            | € 120,00     |

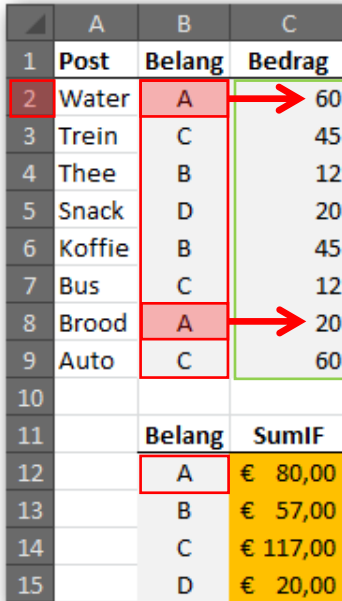
## SumIF/AveragelF 2

- Met apart criteriabereik

- Criterium bereik staat op dezelfde regel als de op te tellen getallen

DUS

➔ apart SOM/GEMIDDELDE getal bereik nodig!



|    | A      | B      | C        |
|----|--------|--------|----------|
| 1  | Post   | Belang | Bedrag   |
| 2  | Water  | A      | 60       |
| 3  | Trein  | C      | 45       |
| 4  | Thee   | B      | 12       |
| 5  | Snack  | D      | 20       |
| 6  | Koffie | B      | 45       |
| 7  | Bus    | C      | 12       |
| 8  | Brood  | A      | 20       |
| 9  | Auto   | C      | 60       |
| 10 |        |        |          |
| 11 |        | Belang | SumIF    |
| 12 |        | A      | € 80,00  |
| 13 |        | B      | € 57,00  |
| 14 |        | C      | € 117,00 |
| 15 |        | D      | € 20,00  |

# Met voorwaarden (IFS)

Sum & Count & Average & IFS

## CountIFS

- Tellen aantal cellen met criteria
- Meerdere criteria mogelijk!
- Criteria worden samen geëvalueerd (AND)
- Max 127 sets mogelijk
- Werking per criteria-data-set
  - Criteria\_RangeX = De data die we willen tellen
  - CriteriaX = De criteria vraag op die data
  - Maar: de criteria wordt per rij/kolom samen bekeken (AND)

|    | A         | B        | C        | D        | E        | F        |
|----|-----------|----------|----------|----------|----------|----------|
| 1  | Deelnemer | Regio    | Score A  | Score B  | Score C  |          |
| 2  | David     | Brab     | 7        | 7        | 7        |          |
| 3  | Frank     | Limb     | 8        | 8        | 8        |          |
| 4  | Frederik  | Brab     | 2        | 6        | 6        |          |
| 5  | Geert     | Antw     | 9        | 8        | 7        |          |
| 6  | Greet     | Ovl      | 5        | 9        | 3        |          |
| 7  | Mira      | Antw     | 3        | 8        | 8        |          |
| 8  | Noella    | Limb     | 4        | 8        | 4        |          |
| 9  | Peter     | Antw     | 10       | 10       | 3        |          |
| 10 |           |          |          |          |          |          |
| 11 |           |          |          |          |          |          |
| 12 |           | Criteria | Criteria | Criteria | Criteria | COUNTIFS |
| 13 | criteria  | Antw     | >=8      | >=8      | >=7      | 1        |
| 14 |           |          |          |          |          | tezamen  |



## SumIFS / AverageIFS

- Optellen/Gemiddelde berekenen van getallen in cellen
- + meerdere voorwaarden
- Combinatie van de voorwaarden (AND) die lijnen alleen worden opgeteld!
- 2003 alternatief DSUM database functie

|    | A              | B              | C             | D            | E | F             | G      |
|----|----------------|----------------|---------------|--------------|---|---------------|--------|
| 1  | <b>Factuur</b> | <b>Bedrag</b>  | <b>Belang</b> | <b>Groep</b> |   |               |        |
| 2  | 1/02/2012      | € 457,00       | 5             | B            |   |               |        |
| 3  | 1/02/2012      | € 1.258,50     | 1             | C            |   |               |        |
| 4  | 4/08/2012      | € 4.552,00     | 2             | A            |   |               |        |
| 5  | 8/08/2012      | € 23,50        | 6             | C            |   |               |        |
| 6  | 8/09/2012      | € 124,70       | 1             | D            |   |               |        |
| 7  | 9/10/2012      | € 656,00       | 1             | B            |   |               |        |
| 8  | 15/12/2012     | € 1.258,00     | 4             | A            |   |               |        |
| 9  | 1/06/2013      | € 785,00       | 4             | A            |   |               |        |
| 10 |                | € 9.114,70     |               |              |   |               |        |
| 12 |                | <b>Factuur</b> | <b>Belang</b> | <b>Groep</b> |   | <b>SumIFS</b> |        |
| 13 |                | >=01/03/2012   | <=4           | A            |   | € 6.595,00    |        |
| 14 |                | >=01/02/2012   | <=4           | B            |   | € 656,00      |        |
| 15 |                | >=01/03/2012   | <=4           | C            |   | € 0,00        |        |
| 16 |                | >=01/06/2012   | <=4           | D            |   | € 124,70      | Totaal |
| 17 |                |                |               |              |   | € 7.375,70    |        |

# Vragen/Opmerkingen/ Suggesties?

Wouter van Betten



 +32(0)477/95 11 33  [info@PcTraining.be](mailto:info@PcTraining.be)  [www.PcTraining.be](http://www.PcTraining.be)



IsTc bv/srl – PcTraining  
Wouter van Betten  
+32(0)477/95.11.33  
[info@PcTraining.be](mailto:info@PcTraining.be)