

Easy to do it...

Patou Tips #13



Understand difference
between **Average** & **Median**



1

AVERAGE vs MEDIAN



Example

Here is a weekly sales report, with no sales on Sunday.

Day	Sales	Average	Median with sunday	Median without sunday
Monday	10	10,0	10,0	10,0
Tuesday	15	15,0	15,0	15,0
Wednesday	6	6,0	6,0	6,0
Thursday	11	11,0	11,0	11,0
Friday	12	12,0	12,0	12,0
Saturday	8	8,0	8,0	8,0
Sunday				
Result	62	10,3	10,0	10,5

AVERAGE → Average is the most popular formula, it is the sum of the values divided by the number of values.

AVERAGE = AVERAGEX(Sales, Sales[Value])

→ PowerBI **don't take** the blank value

MEDIAN → Median is a little bit different, it is the value that separates the upper half and the lower half of an ordered series of numbers. This is sometimes very useful to eliminate some outliers values, by example.

MEDIAN with Sunday = MEDIANX(Sales, Sales[Value])

→ PowerBI **take** the blank value

2

MEDIAN, get the good meaning!

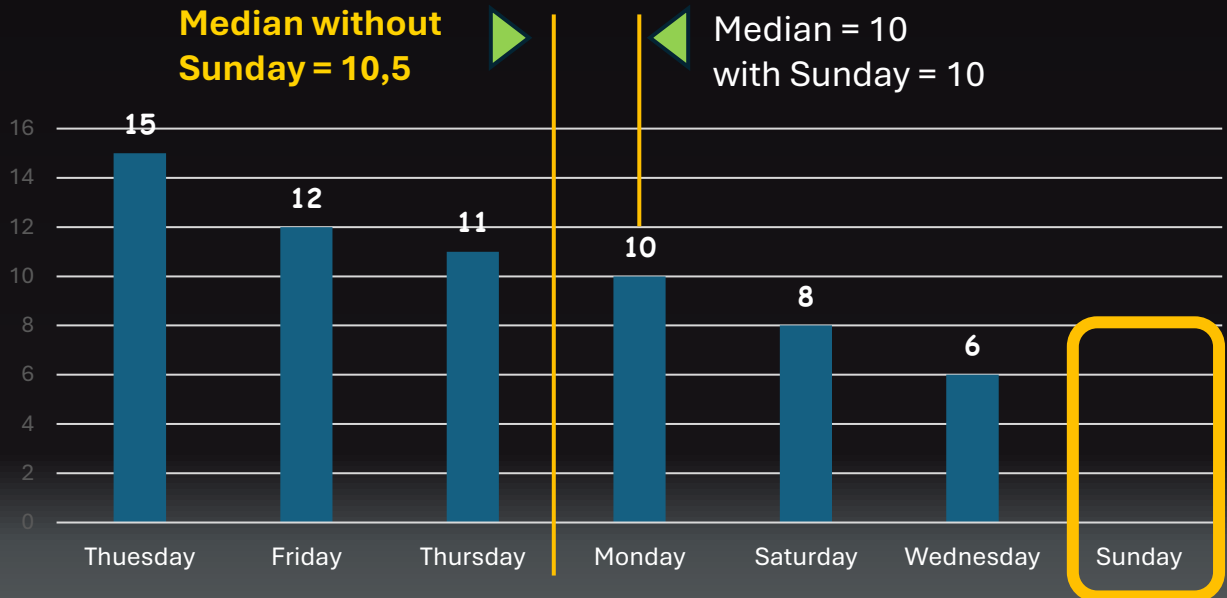


“Median it's the value that separates the upper half and the lower half of an ordered series of numbers”

MEDIAN without Sunday =

```
CALCULATE(  
  MEDIANX(Sales, Sales[Value]),  
  NOT(ISBLANK(Sales[Value]))  
)
```

MEDIAN with Sunday =
MEDIANX(Sales, Sales[Value])



Don't forget!
This isn't the truth, it's just my truth!

Patou Tips



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