

Excel

How many data formats are available in Excel? Name some of them.

Number:- It is used generally for the display of numbers.

Currency:- This is used generally for monetary formats.

Accounting:- They line-up the currency symbols & decimal points in a column.

Date:- They display date & time serial numbers as data values.

Time:- Time formats display date & time serial numbers as date values.

Percentage:- They multiply 100 with the cell value & display it in the form of %.

Fraction:- They display the cell values in the form of a fraction.

Scientific:- The cell values are displayed scientifically.

Text:- Text format cells are treated as text even when the number is in the cell, the cell is displayed exactly as entered.

Special:- They are useful for tracking list & database values.

Custom:- Type the number format code, using one of the existing codes as a starting point.

Difference between MEAN, MEDIAN, MODE

The mean is the average of a data set. The mode is the most common number in a data set. The median is **the middle of the set of numbers**.

In which data types MEAN, MEDIAN and MODE are more suitable?

numerical data

How to detect outliers?

<https://towardsdatascience.com/why-1-5-in-iqr-method-of-outlier-detection-5d07fdc82097>

$IQR = Q3 - Q1$

Lower range limit = $Q1 - (1.5 * IQR)$. Essentially this is 1.5 times the inner quartile range subtracting from your 1st quartile.

Higher range limit = $Q3 + (1.5 * IQR)$ This is 1.5 times IQR+ quartile 3.

Now if any of your data falls below or above these limits, it will be considered an outlier.

What is Scenario Manager ?

The Scenario Manager is a What-If Analysis Tool that helps us to forecast the result by changing one or more of the variable components.

What is the purpose for Goal Seek?

[Goal Seek in Excel \(Examples\) | How to Use Goal Seek in Excel? \(educba.com\)](#)

A Goal Seek is a tool that is used to find an unknown value from a set of known values. It comes under the What-If Analysis feature of Microsoft Excel, which is useful to find out the value that will give the desired result as a requirement. This function instantly calculates the output when the value is changed in the cell. You have to mention the result you want the formula to generate and then determine the set of input values that will generate the result.

What are the different methods to find correlation ?

[Correlation: Types, Causes and Methods to Calculate Correlation \(economicsdiscussion.net\)](#)

(1) Karl Pearson's Coefficient of Correlation Method or Karl Pearson's method.

(2) Spearman's Coefficient of Correlation Method or Rank Difference Method.

(3) Concurrent Deviations Method.

What is randbetween used for?

What is a choose function in Excel

The CHOOSE function returns a value from the list based on a position specified by the user.

The "index_num" and "value 1" can take any numeric value from 1 to 254.

Can we do any transformation related to data in Power Query?

Yes

What are charts in MS-Excel?

column, line, pie, bar, area, scatter, map, stock, surface, radar, treemap, sunburst, histogram, box, and whisker, waterfall, funnel, combo

Explain pivot tables and its uses.

A **Pivot Table** is used to summarise, sort, reorganise, group, count, total or average data stored in a **table**. It allows us to transform columns into rows and rows into columns. It allows grouping by any field (column), and using advanced calculations on them.

How would you provide a Dynamic range in "Data Source" of Pivot Tables?