

Advanced Dashboard Tools - Scroll Bar, Spin Button and Check Box

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Datasets for Class Practice

Please find below the link for the data set that will be used in the class for practice.

- Instructions to download the file-

Click on the link → File → Download → Microsoft Excel(.xlsx)

1. https://docs.google.com/spreadsheets/d/1Rc192jAaqIOXkOwTK0S1b6brpV5qn_fc/edit?usp=sharing&ouid=107266068801601122977&rtpof=true&sd=true



What is an Interactive Dashboard?

An interactive dashboard in excel is basically a slice of visualization which enables your data to tell a story. It enables you to dynamically change the Dashboard as we use it. Sometimes we have a situation where all our Data is important, but at one time we want to focus on one particular element, or contrary to that, we may have a situation with multiple smaller important information, but we want to look at them all together, all such extreme ends are easily accommodated in a report/dashboard with interactive Dashboards. There are numerous tools to make our Dashboard much more Interactive than "Static Ones" like –

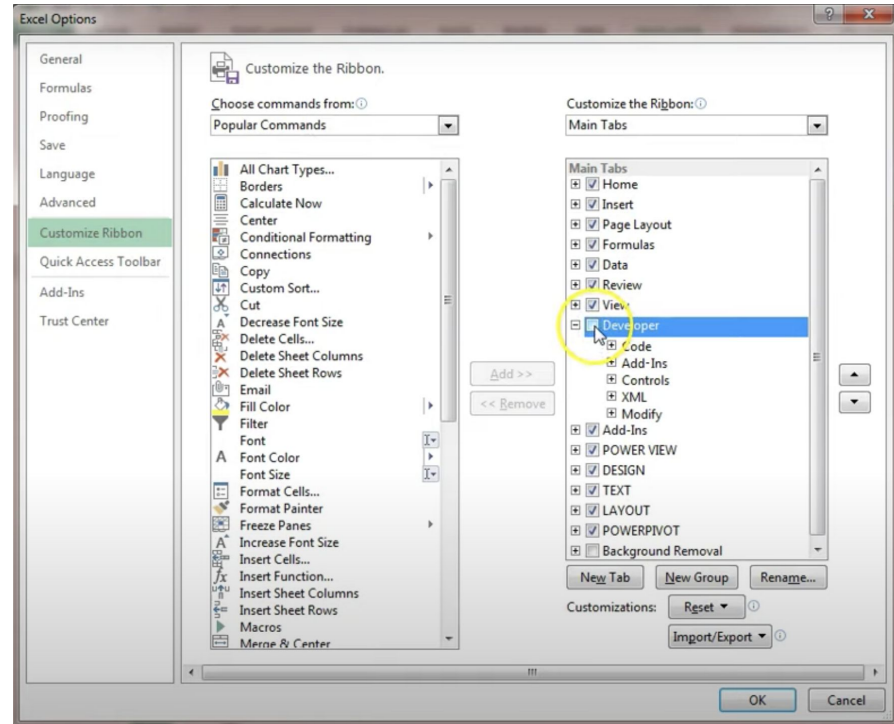
- ❖ Scroll Bars
- ❖ Spin Button
- ❖ Checkboxes
- ❖ Option Button/Radio Button, etc.

But before we study them one by one, let's enable ourselves to use them by using Developer mode in Excel.

Enable Developer Mode

To enable Developer Mode in Excel, please follow the below steps to enable Developer Tab.

1. Go to File>Options
1. Go to Customized Ribbon
1. Check Developer Option



Scroll Bar

- a. In a situation where a lot of Data has to be displayed in the chart, we add a scroll bar. Scrollbars give us control in two ways, Showing the number of Data points to be shown in a single frame, and moving to different data points by using the scrollbar.
- a. The spin button is often used with Scrollbars to increase the number of Datapoints shown in a single frame.
- a. A scroll bar in Excel is just like the one you have seen at many places while using a computer system. This is a thin bar mainly displayed in most computer applications to move the viewing area of computer applications, left and right or up and down.



Scroll Bar

We need to study INDEX & ROW Function before jumping onto Scroll Bar.



Index Function - The INDEX function returns a value or the reference to a value from within a table or range. Basically, on Serial Number, it gives the value assigned. It works opposite to Match Function.

Syntax -> =INDEX(array, row_num, [column_num])



Rows Function - Returns the number of rows in a reference or array

Syntax -> =ROWS(array)



State	Area in Sq Km	Population
Andhra Pradesh	2,75,045	7,62,10,007
Arunachal Pradesh	83,743	10,97,968
Assam	78,438	2,66,55,528
Bihar	94,163	8,29,98,509
Chhattisgarh	1,35,191	2,08,33,803
Goa	3,702	13,47,668
Gujarat	1,96,024	5,06,71,017
Haryana	44,212	2,11,44,564
Himachal Pradesh	55,673	60,77,900
Jammu & Kashmir	2,22,236	1,01,43,700

Spin Button



The Spin button makes it easier to increase or decrease a value, such as a number increment, time, or date. To increase the value, click the up arrow; to decrease the value, click the down arrow. A user can also type a text value directly in the associated cell or text box.

Roll No.	Name
1	Geeta
2	Kapil
3	Honey
4	Mitali
5	Sonu
6	Kahlu
7	Jyoti
8	Sandhya

Name Sandhya

▲

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Check Box



The Checkbox is an interactive widget we use in excel when we want to make Binary Choices. Basically, when we want to select or deselect between two values. The basis of our selection charts will also change dynamically.

Fruits	
<input type="checkbox"/>	Apple
<input checked="" type="checkbox"/>	Orange
<input type="checkbox"/>	Banana
<input type="checkbox"/>	Papaya
<input type="checkbox"/>	Strawberry

In the next class, we will study



Advanced Dashboard Tool - Radio Button and Modelling in Excel-I