

Scroll & Zoom Charts



Function Library

- Insert Function
- AutoSum
- Recently Used
- Financial
- Logical
- Text
- Date & Time
- Lookup & Reference
- Math & Trig
- More Functions
- Name Manager
- Define Name
- Use in Formula
- Create from Selection
- Trace Precedents
- Trace Dependents
- Remove Arrows
- Show Formulas
- Error Checking
- Evaluate Formula
- Watch Window
- Calculation Options

111 | fx

A B C D E F G H I J K L M N O P Q

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%



Scroll index:

Zoom index:

Max scroll:

Scroll:

Zoom:



Step 1: Make Sure You Have Developer Tab

The screenshot shows the Microsoft Excel interface. The ribbon is set to the 'Home' tab, but the 'Developer' tab is highlighted with a green box. The ribbon includes the following groups: Clipboard, Font, Alignment, Number, Styles, Cells, Editing, Add-ins, and Analyze Data. The 'Developer' tab is located at the end of the ribbon. Below the ribbon, the active cell is B2, containing the text 'Month'. The spreadsheet contains a table with the following data:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

At the bottom of the spreadsheet, there is a scroll and zoom chart with the following data:

Scroll index:	Zoom index:	Max scroll:	Scroll:	Zoom:

The chart is located in the bottom right corner of the spreadsheet. The 'Scroll & Zoom Charts' tab is selected in the bottom navigation bar.

Step 2: Add Developer Tab

The screenshot shows the Microsoft Excel interface. The 'File' tab is highlighted in the ribbon, with a green arrow pointing to it. The ribbon includes tabs for File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, and Help. The Home tab is active, showing options for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing. The spreadsheet area shows a table with the following data:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there are three input fields with green labels:

- Scroll index:
- Zoom index:
- Max scroll:

To the right of these fields are labels: 'Scroll:' and 'Zoom:'. The bottom status bar shows 'Scroll & Zoom Charts' and 'Scroll & Zoom Charts CM' tabs.

Step 3: Click More, Click Options

The screenshot shows the Microsoft Excel interface. The title bar reads "Scroll & Zoom Charts" and the user's name "Leutrim Hoti" is visible in the top right. The left sidebar contains navigation options: Home, New, Open, Get Add-ins, Info, Save, Save As, Print, Share, Export, Publish, and Close. The main area displays a "Good evening" message and a "New" section with five templates: Blank workbook, Welcome to Excel, Formula tutorial, PivotTable tutorial, and Personal monthly budget. Below the templates is a search bar and tabs for "Recent", "Pinned", and "Shared with Me". The "Recent" tab is active, showing a list of files. The "More..." button in the sidebar is highlighted with a green box, and a green arrow points from it to the "Options" menu item in the "Recent" list, which is also highlighted with a green box. Another green arrow points from the "Options" menu item to the "Account" menu item in the same list.

Scroll & Zoom Charts

Leutrim Hoti

Good evening

New

Blank workbook

Welcome to Excel

Formula tutorial

PivotTable tutorial

Personal monthly budget

More templates →

Search

Recent Pinned Shared with Me

Name	Date modified
Ben Scroll & Zoom Charts Desktop » Data Visualization 22hrs » 4. Scroll & Zoom Updates	2m ago
Account » Data Visualization 22hrs » 4. Scroll & Zoom Updates	9m ago
Visualization Guide File Desktop » Data Visualization 22hrs	12m ago

More...

Options

Account

Step 4: Customize Ribbon, Check Developer

The screenshot shows the Excel Options dialog box with the 'Customize Ribbon' tab selected. The 'Main Tabs' list on the right includes 'Developer', which is checked. The 'OK' button is highlighted. A green arrow points to the 'Customize Ribbon' option in the left sidebar, another points to the 'Developer' checkbox, and a third points to the 'OK' button.

Excel Options - Customize the Ribbon

Choose commands from: Popular Commands

Customize the Ribbon: Main Tabs

- Insert
- Draw
- Page Layout
- Formulas
- Data
- Review
- View
- Automate
- Developer
- Add-ins
- Help

Buttons: Add >>, << Remove

Customizations: Reset, Import/Export

Buttons: New Tab, New Group, Rename...

Buttons: OK, Cancel

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Scroll in
Zoom in
Max sc

Scroll & Zoom Charts | Scroll & Zoom Charts CM

Step 5: Developer Tab, Insert Scroll Bar

The screenshot shows the Microsoft Excel interface with the Developer tab selected. The ribbon includes sections for Visual Basic, Macros, Code, Add-ins, and Form Controls. The 'Insert' button in the Form Controls section is highlighted with a green box, and a dropdown menu is open, showing the 'Scroll Bar (Form Control)' option also highlighted with a green box. A green arrow points from the title to the Developer tab, and another points from the Developer tab to the 'Insert' button. A third green arrow points from the 'Insert' button to the 'Scroll Bar (Form Control)' option. The spreadsheet below shows a table with columns for Month, Applications, Hires, and Hire Rate, and a scroll bar on the right side of the window.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there are three green boxes with the following text:

- Scroll index:
- Zoom index:
- Max scroll:

To the right of these boxes, the text "Scroll:" and "Zoom:" is visible.

Step 6: Create An Exact Shape You Want

The screenshot shows the Microsoft Excel interface with the Developer tab selected. The ribbon includes sections for Visual Basic, Macros, Code, Add-ins, Controls, and XML. A scroll bar is highlighted with a green box, and a green arrow points to it from the right. Below the scroll bar, there are three input fields for customization: Scroll index, Zoom index, and Max scroll. The spreadsheet area shows a table with months and percentages.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
7		May	28	1	3.6%												
8		Jun	89	12	13.5%												
9		Jul	92	1	1.1%												
10		Aug	100	7	7.0%												
11		Sep	18	7	38.9%												
12		Oct	12	9	75.0%												
13		Nov	51	13	25.5%												
14		Dec	2	1	50.0%												

Scroll index:

Zoom index:

Max scroll:

Scroll:

Zoom:

Step 7: Copy(CTR+C) and Paste below(CTRL+V)

The screenshot shows the Microsoft Excel interface with the Developer tab selected. The ribbon includes options for Visual Basic, Macros, Code, Add-ins, Controls, and XML. The worksheet contains a table of monthly data from May to December. Below the table, there are three rows of labels: 'Scroll index:', 'Zoom index:', and 'Max scroll:'. To the right of these labels are two scroll bars: a 'Scroll' bar and a 'Zoom' bar. The 'Zoom' bar is highlighted with a green border, and a green arrow points to its right-side handle.

	A	B	C	D	E
7		May	28	1	3.6%
8		Jun	89	12	13.5%
9		Jul	92	1	1.1%
10		Aug	100	7	7.0%
11		Sep	18	7	38.9%
12		Oct	12	9	75.0%
13		Nov	51	13	25.5%
14		Dec	2	1	50.0%

Labels and controls below the table:

- Scroll index:
- Zoom index:
- Max scroll:

Scroll:

Zoom:

Step 8: Right Click, Format Control

The screenshot shows the Microsoft Excel interface with the Developer ribbon selected. A right-click context menu is open over a scroll bar, with the 'Format Control...' option highlighted. Two green arrows point to the 'Format Control...' option and the scroll bar. The spreadsheet data is as follows:

	A	B	C	D	E
4		Feb	91	8	8.8%
5		Mar	48	5	10.4%
6		Apr	45	10	22.2%
7		May	28	1	3.6%
8		Jun	89	12	13.5%
9		Jul	92	1	1.1%
10		Aug	100	7	7.0%
11		Sep	18	7	38.9%
12		Oct	12	9	75.0%
13		Nov	51	13	25.5%
14		Dec	2	1	50.0%

Below the spreadsheet, there are three green boxes with the following text:

- Scroll index:
- Zoom index:
- Max scroll:

At the bottom of the screen, there are two tabs: 'Scroll & Zoom Charts' and 'Scroll & Zoom Charts CM'.

Step 9: Complete The Steps As Described

The screenshot shows the 'Format Control' dialog box for a scroll bar in Excel. The 'Properties' tab is active, and the following values are set:

- Current value: 0
- Minimum value: 0
- Maximum value: 11
- Incremental change: 1
- Page change: 10

The 'Cell link' button is highlighted with a green box, and a green arrow points to it. The background shows a spreadsheet with a scroll bar and a 'Scroll & Zoom Charts' task pane.

	A	B	C	D	E
4		Feb	91	8	8.8%
5		Mar	48	5	10.4%
6		Apr	45	10	22.2%
7		May	28	1	3.6%
8		Jun	89	12	13.5%
9		Jul	92	1	1.1%
10		Aug	100	7	7.0%
11		Sep	18	7	38.9%
12		Oct	12	9	75.0%
13		Nov	51	13	25.5%
14		Dec	2	1	50.0%

Scroll index:

Zoom index:

Max scroll:

Scroll & Zoom Charts | Scroll & Zoom Charts CM

Description:

So, the minimum value will be zero, and the maximum value will be 11. Starting January as default, there will 11 month left. No need to Change the Incremental or Page Options. Go Cell Link.

Step 10: Click D16 Cell

The screenshot shows the Microsoft Excel interface with the Developer tab selected. A table with 12 rows and 4 columns is visible. The table data is as follows:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there is a control panel with the following elements:

- Scroll index:** A text box containing a dashed border, highlighted with a green box.
- Zoom index:** A text box.
- Max scroll:** A text box.
- Scroll:** A horizontal scrollbar.
- Zoom:** A horizontal scrollbar.

A green arrow points from the 'Scroll index' text box to the 'Hires' column of the table. Another green arrow points from the 'Scroll' scrollbar to the 'Format' dialog box, which is open and shows the address '\$D\$16'.

The bottom of the screen shows the taskbar with the following tabs: 'Scroll & Zoom Charts', 'Scroll & Zoom Charts CM', and a '+' icon for additional tabs.

Step 11: Press OK

The screenshot shows the Microsoft Excel interface with the 'Format Object' dialog box open. The dialog box has several tabs: 'Size', 'Protection', 'Properties', 'Alt Text', and 'Control'. The 'Control' tab is selected, showing fields for 'Current value', 'Minimum value', 'Maximum value', 'Incremental change', 'Page change', and 'Cell link'. The 'Cell link' field is highlighted with a green arrow. The 'OK' button is also highlighted with a green arrow. The spreadsheet in the background contains a table with the following data:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there are three green boxes with the following text:

- Scroll index:
- Zoom index:
- Max scroll:

The 'Format Object' dialog box also has a 'Zoom' slider at the bottom.

Step 12: Right Click, Format Control

The screenshot shows the Microsoft Excel interface with the Developer ribbon selected. The 'Shape Format' tab is active, and the 'Scroll & Zoom Charts' task pane is open. A right-click context menu is displayed over the task pane, with the 'Format Control...' option highlighted by a green box and a green arrow. Another green arrow points to the 'Scroll' slider in the task pane. The spreadsheet contains a table with the following data:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there is a summary table:

Scroll index:	6
Zoom index:	
Max scroll:	

Step 13: Complete The Steps As Described

The screenshot shows the Microsoft Excel interface with the Developer tab selected. The Format Control dialog box is open, and the Properties tab is active. The 'Current value' field is highlighted with a green box, and the 'Cell link' field is also highlighted with a green box. The spreadsheet data is visible in the background.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 6
Zoom index:
Max scroll:

Scroll: < [Progress Bar]
Zoom: [Progress Bar]

Description:
So, the minimum value will be 1, which is about rows, at least one row of data, The maximum value will be 12. No need to Change the Incremental or Page Options. Go Cell Link.

Step 14: Click D17 Cell

The screenshot shows the Microsoft Excel interface with the Developer tab selected. The ribbon includes sections for Visual Basic, Code, Add-ins, Controls, and XML. The active cell is D17, containing the formula $\$D\17 . A scroll & zoom chart is overlaid on the spreadsheet, with a green arrow pointing to cell D17. The chart displays the following data:

Scroll index:	6
Zoom index:	
Max scroll:	

The chart also features a scroll bar and a zoom slider. The status bar at the bottom shows the active chart is 'Scroll & Zoom Charts CM'.

Step 15: Press OK

The screenshot shows the Microsoft Excel interface with the 'Format Object' dialog box open. The 'Control' tab is selected, and the 'Current value' is set to 0. The 'Maximum value' is 12, and the 'Incremental change' is 1. The 'Cell link' is \$D\$17. The 'OK' button is highlighted with a green box, and a green arrow points to it. Another green arrow points to the 'Maximum value' field.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 6
Zoom index:
Max scroll:

Scroll: < >
Zoom: < >

Step 16: Select Cells B2:C14, CTRL + E2:E14

The screenshot displays the Microsoft Excel interface. The ribbon is set to the 'Insert' tab, showing various options for inserting tables, charts, and other elements. The active cell is E2, which contains the text 'Hire Rate'. Two green arrows point from the ribbon to the selected cells B2:C14 and E2:E14. The data table is as follows:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, the status bar shows the following information:

Scroll index:	0	Scroll:	< [Slider] >
Zoom index:	1	Zoom:	< [Slider] >
Max scroll:			

The status bar at the bottom of the window shows 'Blank' and 'Scroll & Zoom Charts'.

Step 17: Insert Charts, More Column Charts

The screenshot shows the Microsoft Excel interface with the 'Insert' tab selected. The 'Charts' group in the ribbon is highlighted, and the 'More Column Charts...' option is selected, opening a dropdown menu. The menu displays various chart types: 2-D Column, 3-D Column, 2-D Bar, and 3-D Bar. The 'More Column Charts...' option is highlighted with a green box. A green arrow points to the 'More Column Charts...' option, and another green arrow points to the 'Insert' tab.

Month	Applications	Hires	Hire Rate
Jan	69	13	18
Feb	91	8	8
Mar	48	5	10
Apr	45	10	22
May	28	1	3
Jun	89	12	13
Jul	92	1	1
Aug	100	7	7
Sep	18	7	38
Oct	12	9	75
Nov	51	13	25
Dec	2	1	5

Scroll index: 0
Zoom index: 1
Max scroll:

Scroll: < >
Zoom: < >

Step 18: Select Combo, Click Secondary Axis

The screenshot shows the Microsoft Excel interface with the 'Insert Chart' dialog box open. The 'Combo' chart type is selected in the 'All Charts' tab. The 'Custom Combination' preview shows a chart with 'Applications' as clustered bars and 'Hire Rate' as a line on the secondary axis. The 'Secondary Axis' checkbox is checked for the 'Hire Rate' series. The 'OK' button is highlighted.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 0
Zoom index: 1
Max scroll:

Step 19: Delete The Chart Title

The screenshot shows the Microsoft Excel interface with the Chart Design ribbon selected. A chart is displayed on the right side of the worksheet, and its title box, labeled "Chart Title", is highlighted with a green border. A large green arrow points from the top right towards the title box. The chart is a combination bar and line chart showing "Applications" (blue bars) and "Hire Rate" (orange line) for each month from January to December. The left y-axis represents the number of applications (0 to 120), and the right y-axis represents the hire rate percentage (0.0% to 80.0%).

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Chart 1

Scroll index: 0
Zoom index: 1
Max scroll:

Blank Scroll & Zoom Charts

Step 20: Click Formulas Tab, Define Name

The screenshot shows the Microsoft Excel interface. The 'Formulas' tab is selected and highlighted in green. Within the 'Formulas' ribbon, the 'Define Name' button is also highlighted in green with a green arrow pointing to it. The 'Function Library' group contains icons for 'Insert Function', 'AutoSum', 'Recently Used', 'Financial', 'Text', 'Date & Time', 'Lookup & Reference', 'Math & Trig', and 'More Functions'. The 'Defined Names' group includes 'Use in Formula' and 'Create from Selection'. The 'Formula Auditing' group includes 'Trace Precedents', 'Trace Dependents', 'Remove Arrows', 'Show Formulas', 'Error Checking', and 'Evaluate Formula'. The 'Calculation' group includes 'Watch Window' and 'Calculation Options'. The active cell is E16.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there are three green boxes with labels: 'Scroll index: 0', 'Zoom index: 1', and 'Max scroll:'. To the right of these boxes are 'Scroll:' and 'Zoom:' sliders.

Step 21: Write ScrollX, Select Workbook

The screenshot displays the Microsoft Excel interface. The 'Formulas' tab is active, and the 'Name Manager' group is visible. A 'New Name' dialog box is open, with 'ScrollX' entered in the 'Name' field and 'Workbook' selected in the 'Scope' dropdown. A green arrow points from the 'ScrollX' text in the title bar of the dialog box to the 'Name' field. The background shows a data table with columns for Month, Applications, Hires, and Hire Rate, and a corresponding chart with blue bars for Applications and an orange line for Hire Rate. At the bottom, there are scroll and zoom controls for the worksheet.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 0
Zoom index: 1
Max scroll:

Scroll: < [Slider] >
Zoom: < [Slider] >

Step 22: Write "=OFFSET(", Select B3 Cell

The screenshot shows the Excel interface with the 'Formulas' tab active. The 'New Name' dialog box is open, and the 'Refers to' field is being edited. A green box highlights the start of the formula in the dialog, and another green box highlights cell B3 in the spreadsheet. The spreadsheet data is as follows:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

At the bottom of the spreadsheet, there are controls for scroll and zoom:

Scroll index:	0	Scroll:	< [Progress Bar]
Zoom index:	1	Zoom:	< [Progress Bar]
Max scroll:			

Formula:
=OFFSET('Scroll & Zoom Charts!\$B\$3,'Scroll & Zoom Charts!\$D\$16,0,'Scroll & Zoom Charts!\$D\$17,1)

Description:
Write =OFFSET function, Open Parenthesis, Starting Cell is going to be the first month (B3), Select Cell B3, Press Comma (,).

Step 23: Select D16, Write 0

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov		13	25.5%
Dec		1	50.0%

New Name dialog box:
Name: ScrollIX
Scope: Workbook
Refers to: =3,'Scroll & Zoom Charts!\$D\$16,0

Table values for D16-D18:
Scroll index: 0
Zoom index: 1
Max scroll:

Formula:
=OFFSET('Scroll & Zoom Charts'!\$B\$3,'**Scroll & Zoom Charts**!\$D\$16,0,'Scroll & Zoom Charts'!\$D\$17,1)

Description:
Select D16, Press Comma (,). We don't want to move left or write from starting point, because Months stay in column B, so it is 0. Press Comma (,)

Step 24: Select D17, Write 1, Press OK

The screenshot shows the Microsoft Excel interface with the 'Formulas' tab selected. A 'New Name' dialog box is open, displaying the following information:

- Name: ScrollX
- Scope: Workbook
- Refers to: `=OFFSET('Scroll & Zoom Charts'!B3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

The dialog box is overlaid on a table with the following data:

Month	Applications	Hires
Jan	69	13
Feb	91	8
Mar	48	10
Apr	45	10
May	28	1
Jun	89	12
Jul	92	1
Aug	100	7
Sep	18	7
Oct	12	9
Nov	51	13
Dec	1	1

At the bottom of the table, there are three rows with labels and values:

Scroll index:	0
Zoom index:	1
Max scroll:	

Green arrows point from the 'Zoom index' cell to the 'Refers to' field in the dialog box, and from the 'OK' button to the 'Zoom index' cell. The 'OK' button is highlighted with a purple box.

Formula:

`=OFFSET('Scroll & Zoom Charts'!B3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Description:

Select D17, Height is defined by Zoom Index which stays at D17, Press Comma (,). The width is one, so we type it 1. Close Parentheses. Press Ok.

Step 25: Click Formulas Tab, Define Name

The screenshot shows the Microsoft Excel interface with the **Formulas** tab selected. The **Define Name** button in the Defined Names group is highlighted with a green box and a green arrow. The chart area displays a combination bar and line chart for the months of the year. The 'Applications' series is represented by blue bars, and the 'Hire Rate' series is represented by an orange line. The chart has a secondary y-axis for Hire Rate ranging from 0.0% to 80.0%.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Step 26: Write Scrolly, Select Workbook

The screenshot displays the Microsoft Excel interface. The 'Formulas' tab is active, and the 'Define Name' dialog box is open. The dialog box shows the name 'Scrolly' and the scope 'Workbook'. A green arrow points from the 'Applications' header in the table to the 'Name' field in the dialog box.

Month	Applications	Hires
Jan	69	13
Feb	91	8
Mar	48	5
Apr	45	10
May	28	1
Jun	89	12
Jul	92	1
Aug	100	7
Sep	18	7
Oct	12	9
Nov	51	13
Dec	2	1

Below the table, there are three green boxes with text:

- Scroll index: 5
- Zoom index: 7
- Max scroll:

At the bottom of the dialog box, there are 'OK' and 'Cancel' buttons. To the right of the dialog box, there is a combined bar and line chart showing 'Applications' (blue bars) and 'Hire Rate' (orange line) for the months of October, November, and December.

Step 27: Write "=OFFSET(", Select C3 Cell

Applications

Month	Applications	Hires
Jan	69	13
Feb	91	8
Mar	48	5
Apr	45	10
May	28	1
Jun	89	12
Jul	92	1
Aug	100	7
Sep	18	7
Oct	12	9
Nov	51	13
Dec	2	1

Scroll index: 5
Zoom index: 7
Max scroll:

New Name

Name: Scrolly
Scope: Workbook
Comment:
Refers to: =OFFSET('Scroll & Zoom Charts!\$C\$3,'

OK Cancel

Formula:
=OFFSET('Scroll & Zoom Charts!\$C\$3,'Scroll & Zoom Charts!\$D\$16,0,'Scroll & Zoom Charts!\$D\$17,1)

Description:
Write =OFFSET function, Open Parenthesis, Starting Cell is going to be the first Application (C3), Select Cell C3, Press Comma (,).

Step 28: Select D16, Write 0

The screenshot shows the Excel interface with the 'Formulas' tab selected. A table of monthly data is displayed in columns B and C. A 'New Name' dialog box is open, showing the name 'ScrollY' and the scope 'Workbook'. The 'Refers to' field contains the formula `=OFFSET('Scroll & Zoom Charts'!C3,'Scroll & Zoom Charts'!D16,0,`. The 'Scroll & Zoom Charts' task pane is visible at the bottom, with the 'Scroll' and 'Zoom' sliders. The 'Scroll index' is set to 5 and the 'Zoom index' is set to 7. The 'Max scroll' field is empty.

Month	Applications	Hires
Jan	69	13
Feb	91	8
Mar	48	5
Apr	45	10
May	28	1
Jun	89	12
Jul	92	1
Aug	100	7
Sep	18	7
Oct	12	9
Nov	13	25.5%
Dec	2	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Formula:
`=OFFSET('Scroll & Zoom Charts'!C3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Description:
Select D16, Press Comma (,). We don't want to move left or write from starting point, because Months stay in column B, so it is 0. Press Comma (,).

Step 29: Select D17, Write 1, Press OK

The screenshot shows the Microsoft Excel interface with the 'Formulas' tab selected. A table with columns 'Month', 'Applications', and 'Hires' is visible. A 'New Name' dialog box is open, showing the name 'ScrollY', scope 'Workbook', and a formula in the 'Refers to:' field: `=OFFSET('Scroll & Zoom Charts'!C3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`. The 'OK' button is highlighted with a purple box. In the bottom left, a 'Zoom index' input field contains the number '7' and is highlighted with a green box. Green arrows point from the 'Zoom index' field to the 'Refers to:' field in the dialog box, and from the 'Hires' column of the table to the 'Refers to:' field.

Month	Applications	Hires
Jan	69	13
Feb	91	8
Mar	48	5
Apr	45	10
May	28	1
Jun	89	12
Jul	92	1
Aug	100	7
Sep	18	7
Oct	12	9
Nov	51	13
Dec		1

Zoom index:

Refers to: `=OFFSET('Scroll & Zoom Charts'!C3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Formula:

`=OFFSET('Scroll & Zoom Charts'!C3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Description:

Select D17, Height is defined by Zoom Index which stays at D17, Press Comma (,). The width is one, so we type it 1. Close Parentheses. Press Ok.

Step 30: Click Formulas Tab, Define Name

The screenshot shows the Microsoft Excel interface with the **Formulas** tab selected. The **Define Name** button in the Defined Names group is highlighted with a green box and a green arrow. The chart area displays a combination bar and line chart for the months of the year. The 'Applications' series is represented by blue bars, and the 'Hire Rate' series is represented by an orange line. The chart has a secondary y-axis for Hire Rate ranging from 0.0% to 80.0%.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Step 31: Write Scrolly2, Select Workbook

The screenshot displays the Microsoft Excel interface. The 'Formulas' tab is active, and the 'Define Name' dialog box is open. The dialog box shows the name 'Scrolly2' and the scope 'Workbook'. A green arrow points from the 'Hire Rate' column of the data table to the dialog box. The data table is as follows:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Below the table, there are three rows of data:

Scroll index:	5
Zoom index:	7
Max scroll:	

The chart on the right shows 'Applications' as blue bars and 'Hire Rate' as an orange line. The x-axis represents months from Jan to Dec, and the y-axis represents percentages from 0.0% to 80.0%.

Step 32: Write "=OFFSET(", Select E3 Cell

Excel interface showing the Name Manager dialog box. The 'Refers to' field contains the formula: `=OFFSET('Scroll & Zoom Charts!E3,`. The spreadsheet shows a table with columns: Month, Applications, Hires, Hire Rate. The 'Hire Rate' for January (E3) is 18.8%.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Formula:
=OFFSET('Scroll & Zoom Charts!\$E\$3,'Scroll & Zoom Charts!\$D\$16,0,'Scroll & Zoom Charts!\$D\$17,1)

Description:
Write =OFFSET function, Open Parenthesis, Starting Cell is going to be the first Hire Rate (E3), Select Cell E3. Press Comma (,).

Step 33: Select D16, Write 0

The screenshot shows the Microsoft Excel interface. The 'Formulas' ribbon is active, and the 'Name Manager' task pane is open. The 'Name' field is set to 'ScrollY2', the 'Scope' is 'Workbook', and the 'Refers to' field contains the formula: `=OFFSET('Scroll & Zoom Charts'!E3,'Scroll & Zoom Charts'!D16,0`. The spreadsheet data is as follows:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov		13	25.5%
Dec		1	50.0%

Below the table, a control panel shows 'Scroll index:' with a value of 5, 'Zoom index:' with a value of 7, and 'Max scroll:' which is empty. The 'Refers to' field in the Name Manager dialog is highlighted with a green box, and a green arrow points from the 'Hires' column (column D) to the 'Refers to' field.

Formula:
`=OFFSET('Scroll & Zoom Charts'!E3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Description:
Select D16. We don't want to move left or write from starting point, because Months stay in column B, so it is 0. Press Comma (,).

Step 34: Select D17, Write 1, Press OK

The screenshot shows the Microsoft Excel interface. The active cell is E2, containing the formula `=HIRE_RATE(D17)`. The Name Manager dialog box is open, showing the name `ScrollY2` with a scope of `Workbook`. The `Refers to` field contains the formula `=OFFSET('Scroll & Zoom Charts'!E3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`. The data table below shows the following values:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec		1	50.0%

At the bottom of the screen, the `Scroll & Zoom Charts` worksheet is visible. The `Zoom index` cell (D17) contains the value `7`, which is highlighted with a green box. The `Scroll index` cell (D16) contains the value `5`. The `Max scroll` cell (D18) is empty.

Formula:

`=OFFSET('Scroll & Zoom Charts'!E3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D17,1)`

Description:

Select D17, Height is defined by Zoom Index which stays at D17, Press Comma (,). The width is one, so we type it 1. Close Parentheses. Press Ok.

Step 35: Right-Click, Select Data

The screenshot displays the Microsoft Excel interface. The ribbon is set to 'Formulas', and the 'Chart Design' tab is active. A chart is selected, and a right-click context menu is open over it. The 'Select Data...' option is highlighted with a green box. A green arrow points to the chart area, and another points to the 'Select Data...' option. The background shows a data table with columns for Month, Applications, Hires, and Hire Rate, and a combination bar and line chart.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Step 36: Check The Box, Edit Vertical Axis

The screenshot displays the Microsoft Excel interface with the 'Select Data Source' dialog box open. The dialog box is positioned over a table of monthly applications and a chart. The 'Applications' series is selected in the legend, and the 'Hire Rate' series is also visible. The chart shows a combination of bars and a line. The vertical axis is labeled 'Hire Rate' and ranges from 0.0% to 80.0%. The horizontal axis is labeled 'Month' and includes Aug, Sep, Oct, Nov, and Dec. The dialog box has a 'Switch Row/Column' button and 'OK' and 'Cancel' buttons. The background shows the Excel ribbon with 'Formulas', 'Chart Design', and 'Format' tabs. The status bar at the bottom shows 'Zoom: 7' and 'Max scroll: 7'.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	1
Oct	2
Nov	51
Dec	2

Chart Data:

Month	Applications (Bar)	Hire Rate (Line)
Aug	100	~10%
Sep	1	~40%
Oct	2	~75%
Nov	51	~25%
Dec	2	~50%

Dialog Box: Select Data Source

Chart data range: ='Scroll & Zoom Charts'!\$B\$2:\$C\$14,'Scroll & Zoom Charts'!\$E\$2:\$E\$14

Legend Entries (Series):

- Applications
- Hire Rate

Horizontal (Category) Axis Labels:

- Jan
- Feb
- Mar
- Apr
- May

Buttons: OK, Cancel

Status Bar: Zoom: 7, Max scroll: 7

Step 37: After !, Text "ScrollY"

The screenshot shows the Microsoft Excel interface. The 'Formulas' ribbon is active, displaying the 'Function Library' and 'Defined Names' groups. The active cell is E16. A table with 12 rows and 4 columns is visible, with columns labeled 'Month', 'Applications', 'Hires', and 'Hire Rate'. To the right, a chart displays 'Applications' as blue bars and 'Hire Rate' as an orange line. A dialog box titled 'Edit Series' is open, showing the 'Series values' field set to `= 'Scroll & Zoom Charts'!ScrollY`. The 'OK' button is highlighted with a green box. Below the chart, scroll bars for 'Scroll' and 'Zoom' are visible.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Description:
Just after the =Scroll & Zoom Charts! We type ScrollY which represents Applications range (ScrollY) that we defined in the beginning. We press OK.

Step 38: Check The Box, Edit Vertical Axis

The screenshot shows the Microsoft Excel interface with the 'Formulas' ribbon active. A data table is visible on the left, and a line chart is on the right. A 'Select Data Source' dialog box is open, showing the 'Legend Entries (Series)' list with 'Hire Rate' selected. The 'Horizontal (Category) Axis Labels' list includes months from Jan to May. The 'Scroll index' is 7, and the 'Zoom' is 7. The chart shows a line for 'Hire Rate' with data points for Aug, Sep, Oct, Nov, and Dec.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	
Dec	

Scroll index: 7
Zoom index: 7
Max scroll: [range]

Zoom: [range]

Step 39: After !, Text "ScrollY2"

The screenshot shows the Microsoft Excel interface. The 'Formulas' ribbon is active. A table with 12 rows and 4 columns (Month, Applications, Hires, Hire Rate) is visible. A chart to the right displays 'Applications' as blue bars and 'Hire Rate' as an orange line. A dialog box titled 'Edit Series' is open, showing the 'Series values' field set to `= 'Scroll & Zoom Charts'!ScrollY2`. The 'OK' button is highlighted with a green box. Below the table, there are three rows with green headers: 'Scroll index: 5', 'Zoom index: 7', and 'Max scroll:'. At the bottom, the 'Scroll & Zoom Charts' workbook is active.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Description:

Just after the =Scroll & Zoom Charts! We type ScrollY2 which represents Hire Rate range (ScrollY2) that we defined in the beginning. We press OK.

Step 40: Check The Box, Edit Horizontal Axis

The screenshot shows the Microsoft Excel interface with the 'Formulas' ribbon active. The 'Select Data Source' dialog box is open, displaying the 'Legend Entries (Series)' and 'Horizontal (Category) Axis Labels' sections. The 'Applications' series is selected in the legend, and the 'Horizontal (Category) Axis Labels' section is highlighted with a green box. A green arrow points from the 'Edit' button in the 'Horizontal (Category) Axis Labels' section to the 'Applications' series in the legend. Another green arrow points from the 'Edit' button to the 'Horizontal (Category) Axis Labels' section. The chart on the right shows a bar for 'Jun' and a line for 'Hire Rate'.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	28
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Scroll index: 16
Zoom index: 7
Max scroll: 18
Zoom: 18

Step 41: After !, Text "ScrollX"

The screenshot shows the Microsoft Excel interface. The 'Formulas' ribbon is active. A table with 12 rows and 4 columns (Month, Applications, Hires, Hire Rate) is visible. A chart to the right displays 'Applications' as blue bars and 'Hire Rate' as an orange line. An 'Axis Labels' dialog box is open, with a green arrow pointing to the 'Axis label range:' field containing the text '=Scroll & Zoom Charts!ScrollX'. The 'OK' button is highlighted with a green box. Below the table, there are three rows with green headers: 'Scroll index: 5', 'Zoom index: 7', and 'Max scroll:'. At the bottom, the 'Scroll & Zoom Charts' workbook is active.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Axis Labels dialog box:
Axis label range: =Scroll & Zoom Charts!ScrollX
OK

Scroll index: 5
Zoom index: 7
Max scroll:

Description:
Just after the =Scroll & Zoom Charts! We type ScrollX which represents Months range (ScrollX) that we defined in the beginning. We press OK.

Step 42: Check The Box, Edit Horizontal Axis

The screenshot displays the Microsoft Excel interface with the 'Formulas' ribbon active. A data table is visible on the left, and a chart is on the right. A 'Select Data Source' dialog box is open, showing the 'Legend Entries (Series)' section with 'Hire Rate' checked. The 'Horizontal (Category) Axis Labels' section is also visible. Green arrows highlight the 'Hire Rate' entry and the 'Edit' button. A zoomed-in view of the dialog box is shown at the bottom.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	5
May	2
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Zoomed-in view of the 'Select Data Source' dialog box:

Chart data range: [Empty]

The data range is too complex to be displayed. If a new range is selected, it will replace all of the series in the Series panel.

Legend Entries (Series)

- Applications
- Hire Rate

Horizontal (Category) Axis Labels

- Jan
- Feb
- Mar
- Apr
- May

Buttons: Add, Edit, Remove, Up, Down, Edit

Buttons: OK, Cancel

Step 43: After !, Text "ScrollX"

The screenshot shows the Microsoft Excel interface. The 'Formulas' tab is active. A table with 14 rows and 4 columns (Month, Applications, Hires, Hire Rate) is visible. A chart is displayed to the right of the table, showing 'Applications' as blue bars and 'Hire Rate' as an orange line. The 'Axis Labels' dialog box is open, with the 'Axis label range' field containing the text '=Scroll & Zoom Charts!ScrollX'. The 'OK' button is highlighted with a green box. A green arrow points from the text 'ScrollX' in the dialog box to the 'ScrollX' text in the title bar of the dialog box. Below the table, there are three rows with green headers: 'Scroll index: 5', 'Zoom index: 7', and 'Max scroll:'. To the right of these are 'Scroll:' and 'Zoom:' labels with corresponding scroll bars.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 5
Zoom index: 7
Max scroll:

Scroll: < [] >
Zoom: < [] >

Description:
Just after the =Scroll & Zoom Charts! We type ScrollX which represents Months range (ScrollX) that we defined in the beginning. We press OK.

Step 44: Press OK

The screenshot shows the Microsoft Excel interface with the 'Select Data Source' dialog box open. The dialog box is titled 'Select Data Source' and has a 'Chart data range' field containing the formula: `= 'Scroll & Zoom Charts'!B2:C2; 'Scroll & Zoom Charts'!B8:C14; 'Scroll & Zoom Chart'`. Below the range field is a 'Switch Row/Column' button. The 'Legend Entries (Series)' section has two entries: 'Applications' and 'Hire Rate', both with checked boxes. The 'Horizontal (Category) Axis Labels' section has a list of months: Jun, Jul, Aug, Sep, Oct. A green arrow points to the 'OK' button at the bottom right of the dialog box. The background shows a data table with columns 'Month' and 'Applications' and a chart with bars for 'Applications' and a line for 'Hire Rate'.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Scroll index: 7
Zoom index: 7
Max scroll: 7
Zoom: 7

Step 45: Click D18 cell, Type IF formula

The screenshot displays the Microsoft Excel interface. The **Formulas** ribbon is active, showing the **Function Library** with categories like Insert Function, AutoSum, Logical, Text, Date & Time, Lookup & Reference, Math & Trig, and More Functions. The **Formula Bar** shows the active cell **D18** containing the formula `=IF(D17+D16<=12,D16,12-D17)`. Below the ribbon, a data table is visible with columns for Month, Applications, Hires, and Hire Rate. To the right of the table is a combined bar and line chart showing Applications (blue bars) and Hire Rate (orange line) for each month. At the bottom of the screen, a scroll and zoom control area is visible, with the scroll index set to 0 and the zoom index set to 12. The formula `=IF(D17+D16<=12,D16,12-D17)` is also displayed in this area.

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Scroll index: 0
Zoom index: 12
Formula: `=IF(D17+D16<=12,D16,12-D17)`

Step 46: Click Name Manager, Edit The Range

The screenshot displays the Microsoft Excel interface. The ribbon is set to 'Formulas', and the 'Name Manager' button is highlighted with a purple circle. A green arrow points to this button. The 'Name Manager' dialog box is open, with the 'Edit...' button also circled in purple and a green arrow pointing to it. The dialog shows a list of defined names, with 'ScrollIX' selected and highlighted in blue. The 'Refers to' field contains the formula: `=OFFSET('Scroll & Zoom Charts'!B3,'Scroll & Zoom Charts'!D16,0,'Scroll & Zoom Charts'!D16,0)`. In the background, a spreadsheet is visible with a table of monthly applications and a chart showing hire rates for October, November, and December.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Chart Data (Hire Rate):

Month	Hire Rate
Oct	~10.0%
Nov	~30.0%
Dec	~5.0%

Step 47: Substitute D16 With D18

The screenshot shows the Microsoft Excel interface with the 'Formulas' tab selected. The 'Edit Name' dialog box is open, showing the name 'ScrollX' and the formula `=OFFSET('Scroll & Zoom Charts'!B6,'Scroll & Zoom Charts'!D18,0,'Scroll & Zoom Charts'!D17,1)`. The formula is highlighted in purple. A green arrow points from the `'Scroll & Zoom Charts'!D18` part of the formula to the 'Max scroll:' cell in the 'Scroll & Zoom Charts' worksheet, which contains the value 5. Another green arrow points from the `'Scroll & Zoom Charts'!D17` part of the formula to the 'Zoom in:' cell in the 'Scroll & Zoom Charts' worksheet, which contains the value 7. The 'Scroll & Zoom Charts' worksheet also shows a table with columns 'Month', 'Applications', 'Hires', and 'Hire Rate'.

Month	Applications	Hires	Hire Rate
Jan			
Feb			
Mar			
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec			

Scroll & Zoom Charts

Scroll in:	Hires
5	5
Zoom in:	7
Max scroll:	5

Description:

In the OFFSET Formula, Delete D16 cell, Select D18 Cell. You can easily do that by just substituting number 6 with number 8. Press OK.

Step 48: Click Name Manager, Edit The Range

The screenshot displays the Microsoft Excel interface. The **Formulas** ribbon is active, and the **Name Manager** button is highlighted with a green box and an arrow. The **Name Manager** dialog box is open, with the **Edit...** button highlighted. The **ScrollY** name is selected in the list, and its formula is shown in the **Refers to** field. A green box highlights the formula text. In the background, a table shows monthly applications and a chart shows hire rates.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Scroll index:
Zoom index:
Max scroll:

Refers to:
`=OFFSET("Scroll & Zoom Charts"!C3,"Scroll & Zoom Charts"!D16,0,"Scroll & Zoom Charts"!D`

Hire Rate

Step 49: Substitute D16 With D18

The screenshot shows the Microsoft Excel interface with the 'Formulas' tab selected. The 'Edit Name' dialog box is open, showing the following details:

- Name: ScrollY
- Scope: Workbook
- Refers to: `=OFFSET('Scroll & Zoom Charts'!C8,'Scroll & Zoom Charts'!D18,'Scroll & Zoom Charts'!D17,1)`

The spreadsheet data is as follows:

Month	Applications	Hires	Hire Rate
Jan			
Feb			
Mar			
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec		1	50.0%

The 'Scroll & Zoom Charts' task pane at the bottom shows the following settings:

- Scroll: < [Slider]
- Zoom: < [Slider]
- Max scroll: 5

Description:

In the OFFSET Formula, Delete D16 cell, Select D18 Cell. You can easily do that by just substituting number 6 with number 8. Press OK.

Step 50: Click Name Manager, Edit The Range

The screenshot displays the Microsoft Excel interface. The **Formulas** tab is active, and the **Name Manager** button is highlighted with a green box. The **Name Manager** dialog box is open, showing a table of defined names. The **Edit...** button is also highlighted with a green box. The table below shows the defined names:

Name	Value	Refers To	Scope	Comment
ScrollX	{...}	=OFFSET("Scroll & Zo...	Workbook	
ScrollY	{...}	=OFFSET("Scroll & Zo...	Workbook	
ScrollY2	{...}	=OFFSET("Scroll & Zo...	Workbook	

The **Refers to:** field at the bottom of the dialog box contains the formula: `=OFFSET("Scroll & Zoom Charts"!E3;"Scroll & Zoom Charts"!D16,0;"Scroll & Zoom Charts"!D`

In the background, a spreadsheet is visible with the following data:

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

A chart titled **Hire Rate** is also visible, showing data for Oct, Nov, and Dec. The chart has a y-axis ranging from 0.0% to 80.0%.

Step 51: Substitute D16 With D18

The screenshot shows the 'Edit Name' dialog box in Excel. The 'Name' field is 'ScrollY2', the 'Scope' is 'Workbook', and the 'Refers to' field contains the formula `=OFFSET('Scroll & Zoom Charts'!E17,0,Scroll & Zoom Charts!D18,0,Scroll & Zoom Charts!D17,1)`. A green arrow points from the 'Refers to' field to the 'Max scroll' input field in the table below, which has the value '5' highlighted with a green box. Another green arrow points from the 'Scope' dropdown to the 'Hires' column header.

Month	Applications	Hires	Hire Rate
Jan			
Feb			
Mar			
Apr			
May			
Jun			
Jul			
Aug			
Sep			
Oct			
Nov			
Dec		1	50.0%

Scroll: < [Progress Bar]

Zoom: < [Progress Bar]

Max scroll: 5

Description:

In the OFFSET Formula, Delete D16 cell, Select D18 Cell. You can easily do that by just substituting number 6 with number 8. Press OK.

Step 52: Press Close

The screenshot displays the Microsoft Excel interface. The ribbon is set to 'Formulas'. The 'Name Manager' dialog box is open, showing a list of names: ScrollX, ScrollY, and ScrollY2. The 'ScrollY2' name is selected. A green arrow points to the 'Close' button at the bottom right of the dialog box. The background spreadsheet shows a table with columns 'Month' and 'Applications' and a chart with bars and a line representing 'Hire Rate'.

Month	Applications
Jan	69
Feb	91
Mar	48
Apr	45
May	28
Jun	89
Jul	92
Aug	100
Sep	18
Oct	12
Nov	51
Dec	2

Referred to by:

Name	Value	Refers To	Scope	Comment
ScrollX	{...}	=OFFSET("Scroll & Zo...	Workbook	
ScrollY	{...}	=OFFSET("Scroll & Zo...	Workbook	
ScrollY2	{...}	=OFFSET("Scroll & Zo...	Workbook	

Refers to: =OFFSET("Scroll & Zoom Charts"!\$E\$3,"Scroll & Zoom Charts"!\$D\$18,0,"Scroll & Zoom Charts"!\$D\$...)

Close

Step 53: Completed

Microsoft Excel interface showing a completed chart and data table.

Excel Ribbon: File, Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Developer, Help. Search bar, Leutrim Hoti profile, Comments, Share.

Excel Ribbon Groups: Clipboard, Font, Alignment, Number, Styles, Cells, Editing, Add-ins, Analyze Data.

Formula Bar: B2, fx, Month

Data Table:

Month	Applications	Hires	Hire Rate
Jan	69	13	18.8%
Feb	91	8	8.8%
Mar	48	5	10.4%
Apr	45	10	22.2%
May	28	1	3.6%
Jun	89	12	13.5%
Jul	92	1	1.1%
Aug	100	7	7.0%
Sep	18	7	38.9%
Oct	12	9	75.0%
Nov	51	13	25.5%
Dec	2	1	50.0%

Chart: A combination bar and line chart showing Applications (blue bars) and Hire Rate (orange line) by month. The left Y-axis represents Applications (0-120), and the right Y-axis represents Hire Rate (0.0%-80.0%).

Scroll and Zoom Controls:

Scroll index:	11
Zoom index:	12
Max scroll:	0

Scroll: < [Slider] >
Zoom: < [Slider] >

Taskbar: Blank, Scroll & Zoom Charts