

## CONDITIONAL FORMATS

**Conditional formats:** Formatting that changes based on the value in the cell, unlike traditional formats.

- Your rules can:
  - Reflect whether values are above or below a specific threshold
  - Indicate how large a value is when compared to other values to which the same rule is applied
  - Identify the smallest and largest values in the selected range

### Display the Conditional Formatting list:

- Select the appropriate cells.
- Go to the **Styles** group on the **Home** tab.



- Click **Conditional Formatting**.

### HIGHLIGHTING RULES

#### Create a cell-highlighting rule:

- Display the **Conditional Formatting** list.
- Point to **Highlight Cells Rules** and then click the type of rule you want to create.
- Go to the dialog box that appears.
  - Define a rule to specify when Excel should apply the format.
    - Click the list box's down arrow and click a predefined format.

**OR**

- Click **Custom Format**.
- Go to the **Format Cells** dialog box.
- Define the format.
- Click **OK**.
- Click **OK**.

#### Create a top or bottom rule:

- Display the **Conditional Formatting** list.
- Point to **Top/Bottom Rules**.
- Click the type of rule you want to create.
- Go to the dialog box.
- Create the rule to specify when Excel should apply the format.
  - Click the list box's down arrow and click a predefined format.

**OR**

- Click **Custom Format**.
- Go to the **Format Cells** dialog box.
- Define the format.
- Click **OK**.
- Click **OK**.

### Highlight unique or duplicate values in a range:

- Display the **Conditional Formatting** list.
- Point to **Highlight Cells Rules**.
- Click **Duplicate Values**.
- Go to the **Duplicate Values** dialog box.
  - Click the **Format cells that contain list box's** down arrow.
    - Click **Duplicate or Unique**.
  - Click the list box's down arrow and click a predefined format.

**OR**

- Click **Custom Format**, use the controls in the **Format Cells** dialog box to define the format, and then click **OK** twice.

### DATA BAR, COLOR SCALE & ICON SET FORMATS

#### Data Bars

Comparing two numbers in an Excel worksheet is easy, but it's difficult to compare multiple numbers with a quick glance.

- Data bar conditional format:** Formatting that displays a color bar in the background of a cell so you can quickly compare the relative magnitude of values in a list.
- The length of the data bar represents the size of that cell's value in relation to the other cells to which you applied the conditional format.

#### Create a data bar conditional format:

- Display the **Conditional Formatting** list.
- Point to **Data Bars**.
- Click the format you want to apply.

#### Types of Data Bars

- Gradient Fill formats:**
  - Gradually change from a solid fill at the left edge of the cell to white as the data bar goes across the cell.
  - Were introduced in Excel 2007.
- Solid Fill formats:**
  - Remain a solid color for the entire length of the data bar.
  - Were added to Excel 2010 after user feedback indicated Gradient Fill data bars were hard to interpret.

Year	Sales
2019	\$ 1,300,000
2020	\$ 2,900,000
2021	\$ 1,850,000

Solid Fill Data Bar



Gradient Fill Data Bar

#### Show a data bar without showing the cell's contents:

- Display the **Conditional Formatting** list.
- Point to **Data Bars**.
- Click **More Rules**.
- Go to the **New Formatting Rule** dialog box.
- Check the **Show Bar Only** box.
- Click **OK**.

#### Show negative values using a data bar:

- Display the **Conditional Formatting** list.
- Point to **Data Bars**.
- Click **More Rules**.
- Go to the **New Formatting Rule** dialog box.
- Click the **Negative Values and Axis** button.

- Go to the **Negative Values and Axis Settings** dialog box.
- Click the **Fill Color** button and select a fill color for negative values.

**OR**

- Select the **Apply same fill value as positive bar** option.
- In the **Axis settings** section of the dialog box, select any of these options to position the axis separating positive and negative values:
  - Automatic** (display at variable position based on negative values)
  - Cell midpoint**
  - None** (show negative values in the same direction as positive)
- Click the **Axis color** button and select a color for the axis.
- Click **OK** twice to close the dialog boxes.

#### Color Scales

Color scales use gradually changing colors, called gradients, to represent changes in cell values.

**EX:** A color scale that displays cells with small values in white and larger values in red would fill the background of the cell that contains the smallest value with a pure white background and add bits of red to represent larger values. The cell that contains the largest value in the range would have a background of pure red.

#### Create a color scale conditional format:

- Display the **Conditional Formatting** list.
- Point to **Color Scales**.
- Click the format you want to apply.

**NOTE:** You can select two-color or three-color Color Scales. If your data falls into two distinct ranges, use a two-color scale. If your data falls into three distinct ranges, such as poor, fair, and good performance, use a three-color scale.

Year	Item1	Item2	Item3	Item4
1	73	94	86	79
2	58	74	87	82
3	9	14	86	75
4	8	31	43	52
5	72	89	82	88

Two-Color Color Scale

#### Base color scales on specific minimum & maximum values:

- Display the **Conditional Formatting** list.
- Point to **Color Scales**.
- Click **More Rules**.
- Go to the **New Formatting Rule** dialog box.
- Click the **Minimum column's Type** list box's down arrow.
- Click **Number**.
- Go to the **Minimum column's Value** box.
- Enter a minimum scale value.
- Click the **Maximum column's Type** list box's down arrow.
- Click **Number**.

- Go to the **Maximum column's Value** box.
- Enter a maximum scale value.
- Click **OK**.

**NOTE:** Any values below the minimum you set will be formatted as if they were the minimum value. Excel treats values larger than the maximum you set in a similar way.

- Display the **Conditional Formatting** list.
- Point to **Color Scales**.
- Click **More Rules**.
- Go to the **New Formatting Rule** dialog box.
- Click the **Minimum column's Color** control's down arrow.
- Click the color you want to apply.
- Click the **Maximum column's Color** control's down arrow.
- Click the color you want to apply.
- Click **OK**.

#### Icon Sets

Icon sets: Collections of small graphics, or icons, that visually represent how the contents of a worksheet cell compare to a set of criteria you define.

- Quick visual summaries are perfect for dashboards and worksheets that summarize an organization's operational data in relation to metrics established by the organization.
  - Most dashboards use a variation of green, yellow, and red traffic lights to indicate good, fair, and poor performance.

#### Create an icon set conditional format:

- Display the **Conditional Formatting** list.
- Point to **Icon Sets**.
- Click the format you want to apply.

Month	On-Time %
January	83
February	72
March	94
April	70

Three-Indicator Icon Set

#### Apply icons by number instead of percent:

- Display the **Conditional Formatting** list.
- Point to **Icon Sets**.
- Click **More Rules**.
- Go to the **New Formatting Rule** dialog box.
- Click the first **Type** list box's down arrow.
- Click **Number**.

**NOTE:** You should change the rule type first when creating or editing an icon set rule where Excel compares values to a number rather than a percent of the value. If you change the **Value** and comparison operators and then change the type to **Number**, Excel will reset the comparison operator and constants of the **Value** box.

- Click the first comparison operator list box's down arrow.
- Select the operator to use in the comparison.

# Excel Advanced Users Guide

**M Walker**



## **Excel Advanced Users Guide:**

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### **Table of Contents Excel Advanced Users Guide**

1. Understanding the eBook Excel Advanced Users Guide
  - The Rise of Digital Reading Excel Advanced Users Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Excel Advanced Users Guide
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Excel Advanced Users Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Excel Advanced Users Guide
  - Personalized Recommendations
  - Excel Advanced Users Guide User Reviews and Ratings

- Excel Advanced Users Guide and Bestseller Lists
- 5. Accessing Excel Advanced Users Guide Free and Paid eBooks
  - Excel Advanced Users Guide Public Domain eBooks
  - Excel Advanced Users Guide eBook Subscription Services
  - Excel Advanced Users Guide Budget-Friendly Options
- 6. Navigating Excel Advanced Users Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Excel Advanced Users Guide Compatibility with Devices
  - Excel Advanced Users Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Excel Advanced Users Guide
  - Highlighting and Note-Taking Excel Advanced Users Guide
  - Interactive Elements Excel Advanced Users Guide
- 8. Staying Engaged with Excel Advanced Users Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Excel Advanced Users Guide
- 9. Balancing eBooks and Physical Books Excel Advanced Users Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Excel Advanced Users Guide
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Excel Advanced Users Guide
  - Setting Reading Goals Excel Advanced Users Guide
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Excel Advanced Users Guide
  - Fact-Checking eBook Content of Excel Advanced Users Guide
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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