

## Top 101+ Excel Shortcuts Cheat Sheet That You Love

Take a look at this useful table of Excel shortcuts! It's sorted for both Windows and Mac users, so you can quickly find what you need. Each shortcut also comes with a clear explanation to help you know what it does.

| Category   | Shortcut (Windows)        | Shortcut (Mac)               | Description                                      |
|------------|---------------------------|------------------------------|--|
| Navigation | Ctrl + Home               | Command + Home               | Move to the beginning of the worksheet           |
|            | Ctrl + End                | Command + End                | Move to the last cell with the data              |
|            | Ctrl + Arrow keys         | Command + Arrow keys         | Move to the next cell in the specified direction |
| Selection  | Ctrl + A                  | Command + A                  | Select the entire worksheet                      |
|            | Ctrl + Shift + Arrow keys | Command + Shift + Arrow keys | Extend the selection in the specified direction  |
|            | Ctrl + Spacebar           | Control + Spacebar           | Select the entire column                         |
|            | Shift + Spacebar          | Shift + Spacebar             | Select the entire row                            |
| Editing    | Ctrl + C                  | Command + C                  | Copy the selected cells                          |
|            | Ctrl + X                  | Command + X                  | Cut the selected cells                           |
|            | Ctrl + V                  | Command + V                  | Paste the copied or cut cells                    |
|            | Ctrl + Z                  | Command + Z                  | Undo the last action                             |
|            | Ctrl + Y                  | Command + Shift + Z          | Redo the last undone action                      |
|            | Ctrl + B                  | Command + B                  | Toggle bold formatting                           |
| Formatting | Ctrl + I                  | Command + I                  | Toggle italic formatting                         |
|            | Ctrl + U                  | Command + U                  | Toggle underline formatting                      |
|            | Ctrl + Shift + \$         | Control + Shift + \$         | Apply currency formatting                        |
|            | Ctrl + Shift + %          | Control + Shift + %          | Apply percentage formatting                      |

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|----------------------------|------------------|----------------------|--|
| <b>Formulas</b>            | Ctrl + ;         | Command + ;          | Enter the current date                         |
|                            | Ctrl + Shift + : | Command + Shift + :  | Enter the current time                         |
|                            | Shift + F3       | Control + Shift + F3 | Insert a function                              |
|                            | F9               | F9                   | Calculate all worksheets in all open workbooks |
| <b>Workbook Management</b> | Ctrl + N         | Command + N          | Create a new workbook                          |
|                            | Ctrl + O         | Command + O          | Open an existing workbook                      |
|                            | Ctrl + S         | Command + S          | Save the active workbook                       |
|                            | Ctrl + P         | Command + P          | Print the active worksheet                     |
| <b>Window Management</b>   | Ctrl + F1        | Function + F1        | Create a new worksheet                         |
|                            | Ctrl + Tab       | Control + Tab        | Switch between open workbooks                  |
|                            | Ctrl + W         | Command + W          | Close the active workbook                      |

|                          |                  |                      |   |
|--------------------------|------------------|----------------------|---|
| <b>Data Manipulation</b> | Ctrl + D         | Command + D          | Fill down with the data from the cell above               |
|                          | Ctrl + R         | Command + R          | Fill to the right with the data from the cell to the left |
|                          | Alt + =          | Option + =           | Auto Sum selected cells                                   |
| <b>Viewing</b>           | Ctrl + 9         | Command + 9          | Hide selected rows  |
|                          | Ctrl + Shift + 9 | Command + Option + 9 | Unhide any hidden rows                                    |
|                          | Ctrl + 0         | Command + 0          | Hide selected columns                                     |
|                          | Ctrl + Shift + 0 | Command + Option + 0 | Unhide any hidden columns                                 |
|                          | Ctrl + F         | Command + F          | Open the Find and Replace dialog box                      |
| <b>Inserting</b>         | Ctrl + Shift + = | Command + Shift + =  | Insert the current time                                   |

|                      |                  |                     |                                   |
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|                      | Ctrl + Shift + + | Command + Shift + + | Insert a new worksheet            |
|                      | Shift + F11      | Shift + F11         | Insert a new worksheet            |
| <b>Formatting</b>    | Ctrl + Shift + ~ | Control + Shift + ~ | Apply general number formatting   |
|                      | Ctrl + 1         | Command + 1         | Open the Format Cells dialog box  |
|                      | Ctrl + Shift + & | Control + Shift + & | Apply the outline border          |
| <b>Charting</b>      | Alt + F1         | Option + F1         | Create a new embedded chart       |
|                      | F11              | F11                 | Create a new full-screen chart    |
| <b>Miscellaneous</b> | F2               | Control + U         | Edit the active cell              |
|                      | Esc              | Esc                 | Cancel the current action         |
|                      | Ctrl + F6        | Control + F6        | Switch between open windows/panes |

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|-------------------------|-------------------|----------------------|---|
| <b>Cell Referencing</b> | F4                | F4                   | Repeat the last action or command                 |
|                         | Shift + F4        | Shift + F4           | Find and replace in formulas                      |
|                         | Ctrl + [          | Command + [          | Move to the previous corner of the selected range |
|                         | Ctrl + ]          | Command + ]          | Move to the next corner of the selected range     |
| <b>Cell Formatting</b>  | Ctrl + Shift + ~  | Control + Shift + ~  | Apply general number format                       |
|                         | Ctrl + Shift + \$ | Control + Shift + \$ | Apply currency format                             |
|                         | Ctrl + Shift + %  | Control + Shift + %  | Apply percentage format                           |
|                         | Ctrl + Shift + ^  | Control + Shift + ^  | Apply exponent number format                      |
|                         | Ctrl + Shift + #  | Control + Shift + #  | Apply date format                                 |

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|----------------------------|------------------|-----------------------|--|
| <b>Cell Referencing</b>    | F4               | F4                    | Repeat the last action or command              |
| <b>Workbook Management</b> | Ctrl + Page Up   | Control + Page Up     | Switch to the next workbook                    |
|                            | Ctrl + Page Down | Control + Page Down   | Switch to the previous workbook                |
|                            | Alt + F, S       | Option + F, S         | Split the window                               |
|                            | Alt + W, H       | Option + W, H         | Remove the window split                        |
| <b>Printing</b>            | Ctrl + P         | Command + P           | Open the Print dialog box                      |
|                            | Ctrl + F2        | Control + F2          | Print the selected area of the worksheet       |
|                            | F12              | F12                   | Open the Save As dialog box                    |
| <b>Miscellaneous</b>       | Ctrl + K         | Command + K           | Insert a hyperlink                             |
|                            | Alt + =          | Control + Command + = | Create a formula from the selected cells       |
|                            | Ctrl + ``        | Control + ``          | Toggle the formula view for the selected cells |

|                                     |            |                              |  |
|-------------------------------------|------------|------------------------------|--|
| <b>Data Filtering &amp; Sorting</b> | Alt + D, P | Control + Option + L         | Create a data filter                             |
|                                     | Alt + A, T | Control + Option + Shift + L | Remove the data filter                           |
|                                     | Alt + A, S | Control + Option + Shift + K | Sort the selected data range in ascending order  |
|                                     | Alt + A, D | Control + Option + Shift + J | Sort the selected data range in descending order |

|                        |               |                         |   |
|------------------------|---------------|-------------------------|---|
| <b>Pivot Tables</b>    | Alt + D, P    | Control + Option + P    | Create a pivot table from the selected data range |
|                        | Alt + D, P, A | Control + Option + P, A | Add the selected data to an existing pivot table  |
|                        | Alt + D, P, R | Control + Option + P, R | Refresh the pivot table data                      |
|                        | Alt + D, P, S | Control + Option + P, S | Show the pivot table field list                   |
| <b>Data Validation</b> | Alt + D, L    | Control + Option + A    | Open the Data Validation dialog box               |
|                        | Alt + A, V, V | Control + Option + X    | Circle invalid data in the selected range         |
|                        | Alt + A, V, D | Control + Option + M    | Remove data validation from the selected range    |
| <b>Protection</b>      | Alt + T, P, M | Control + Option + P    | Protect the worksheet                             |
|                        | Alt + T, P, U | Control + Option + U    | Unprotect the worksheet                           |
| <b>Miscellaneous</b>   | Alt + ;       | Control + Option + ;    | Enter the current date in the selected cell(s)    |
|                        | Ctrl + :      | Control + Option + :    | Enter the current time in the selected cell(s)    |
|                        | Alt + =       | Control + Command + =   | Create a formula from the selected cells          |

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| <b>Formulae &amp; Functions</b> | Shift + F3        | Control + Shift + F3  | Insert the SUM function                                    |
|                                 | Alt + =           | Control + Command + = | Insert the AutoSum formula                                 |
|                                 | Ctrl + Shift + A  | Command + Shift + A   | Insert the Arguments dialog box for a function             |
|                                 | F3                | F3                    | Paste the name of the selected cell or range               |
| <b>Editing</b>                  | Ctrl + '          | Command + '           | Copy the formula from the cell above into the current cell |
|                                 | Ctrl + Shift + :  | Control + Shift + :   | Enter the current time                                     |
|                                 | Ctrl + Shift + +  | Command + Shift + +   | Insert a new worksheet                                     |
|                                 | Shift + F2        | Control + Shift + F2  | Add or edit a cell comment                                 |
| <b>Formatting</b>               | Ctrl + Shift + ~  | Control + Shift + ~   | Apply general number format                                |
|                                 | Ctrl + Shift + \$ | Control + Shift + \$  | Apply currency format                                      |
|                                 | Ctrl + Shift + %  | Control + Shift + %   | Apply percentage format                                    |
|                                 | Ctrl + Shift + ^  | Control + Shift + ^   | Apply exponential number format                            |
|                                 | Ctrl + Shift + #  | Control + Shift + #   | Apply date format  |
| <b>Charting</b>                 | F11               | F11                   | Create a new chart sheet                                   |
|                                 | Alt + F1          | Option + F1           | Insert a new embedded chart                                |
|                                 | Ctrl + 1          | Command + 1           | Open the Format Chart Area dialog box                      |
| <b>Miscellaneous</b>            | F7                | Command + Option + F7 | Spell check  |

|  |                  |                     |  |
|--|------------------|---------------------|--|
|  | Shift + F10      | Shift + F10         | Display the context menu                     |
|  | Alt + Shift + F1 | Option + Shift + F1 | Insert a new worksheet                       |
|  | Alt + Shift + F2 | Option + Shift + F2 | Add a new worksheet to the existing workbook |

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| <b>Data Analysis</b> | Alt + A + T         | Control + Option + T   | Create a PivotTable from selected data            |
|                      | Alt + A + Q         | Control + Option + Q   | Create a PivotChart from selected data            |
|                      | Alt + D + P         | Control + Option + P   | Create a Data Filter from selected data           |
|                      | Alt + A + M         | Control + Option + M   | Remove Duplicates from selected data              |
| <b>Tables</b>        | Ctrl + T            | Control + T            | Create a Table from selected data                 |
|                      | Ctrl + L            | Control + L            | Toggle the Total Row for a Table                  |
|                      | Alt + Up/Down Arrow | Option + Up/Down Arrow | Move to the next/previous row in a filtered Table |
| <b>Graphics</b>      | Ctrl + E            | Command + E            | Center the selected cell(s) across selection      |
|                      | Ctrl + Shift + >    | Command + Shift + >    | Increase the indent level of the selected cell(s) |
|                      | Ctrl + Shift + <    | Command + Shift + <    | Decrease the indent level of the selected cell(s) |
|                      | Alt + H + B + B     | Control + Option + B   | Add a border to the selected cell(s)              |
| <b>Reviewing</b>     | Alt + H + F + F     | Control + Option + F   | Insert a new comment                              |

|                          |                     |                        |                                   |
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|                          | Alt + H + N         | Control + Option + N   | Show/Hide comments                |
|                          | Shift + F10         | Control + Shift + Z    | Display the context menu          |
|                          | F5                  | Control + G            | Go to a specific cell or range    |
| <b>Window Management</b> | Ctrl + F10          | Control + F10          | Maximize the Excel window         |
|                          | Ctrl + F6           | Control + F6           | Switch between open Excel windows |
|                          | Alt + Shift + F1    | Option + Shift + F1    | Insert a new worksheet            |
|                          | Ctrl + Page Up/Down | Control + Page Up/Down | Switch between open workbooks     |

|                      |                     |                              |                                     |
|----------------------|---------------------|------------------------------|-------------------------------------|
| <b>Auditing</b>      | F5                  | Control + G                  | Go to a specific cell or range      |
|                      | Ctrl + `            | Command + `                  | Toggle formula auditing toolbar     |
|                      | Ctrl + [            | Command + [                  | Move to the previous precedent cell |
|                      | Ctrl + ]            | Command + ]                  | Move to the next dependent cell     |
| <b>Collaboration</b> | Alt + H + N         | Control + Option + N         | Show/Hide comments                  |
|                      | Alt + H + S + N     | Control + Option + S + N     | Show/Hide ink annotations           |
|                      | Alt + H + P         | Control + Option + P         | Protect worksheet or workbook       |
|                      | Alt + H + U         | Control + Option + U         | Unprotect worksheet or workbook     |
| <b>Scenarios</b>     | Alt + T + T + S     | Control + Option + T + S     | Define a scenario                   |
|                      | Alt + T + T + S + S | Control + Option + T + S + S | Show scenarios                      |

|                    |                     |                              |                                |
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|                    | Alt + T + T + S + M | Control + Option + T + S + M | Merge scenarios                |
|                    | Alt + T + T + S + E | Control + Option + T + S + E | Edit scenarios                 |
| <b>Web Queries</b> | Alt + D + E         | Control + Option + E         | Edit the current web query     |
|                    | Alt + D + R         | Control + Option + R         | Refresh all web queries        |
|                    | Alt + D + W + F     | Control + Option + W + F     | Create a new web query         |
|                    | Alt + D + W + R     | Control + Option + W + R     | Refresh the selected web query |
| <b>XML</b>         | Alt + A + X + I     | Control + Option + X + I     | Import XML data                |
|                    | Alt + A + X + E     | Control + Option + X + E     | Export data as XML             |
|                    | Alt + A + X + M     | Control + Option + X + M     | Map XML elements to cells      |
|                    | Alt + A + X + P     | Control + Option + X + P     | Create an XML map              |

|                        |                           |                              |                                 |
|------------------------|---------------------------|------------------------------|---------------------------------|
| <b>Text to Columns</b> | Alt + A + E               | Control + Option + E         | Open the Text to Columns Wizard |
| <b>Freeze Panes</b>    | Alt + W + F + F           | Control + Option + F         | Freeze Panes                    |
|                        | Alt + W + F + U           | Control + Option + U         | Unfreeze Panes                  |
| <b>Outlining</b>       | Alt + Shift + Right Arrow | Option + Shift + Right Arrow | Group rows or columns           |
|                        | Alt + Shift + Left Arrow  | Option + Shift + Left Arrow  | Ungroup rows or columns         |
|                        | Ctrl + 8                  | Command + 8                  | Outline group                   |
|                        | Ctrl + 9                  | Command + 9                  | Remove outline group            |
| <b>Macros</b>          | Alt + F8                  | Option + F8                  | Open the Macro dialog box       |

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|                       | Alt + F11           | Option + F11                 | Open the Visual Basic Editor   |
|                       | Ctrl + F8           | Control + F8                 | Toggle between extending a selection with the cursor and adding the next cell to the selection |
| <b>Error Checking</b> | Alt + A + M         | Control + Option + M         | Remove Duplicates  |
|                       | Alt + A + E + E     | Control + Option + E + E     | Trace Error  |
|                       | Alt + A + E + V     | Control + Option + E + V     | Trace Precedents   |
|                       | Alt + A + E + D     | Control + Option + E + D     | Trace Dependents   |
| <b>External Data</b>  | Alt + D + I         | Control + Option + I         | Import Data  |
|                       | Alt + A + C + E + T | Control + Option + C + E + T | Use an existing connection to import data  |
|                       | Alt + A + C + E + C | Control + Option + C + E + C | Create a new connection to import data   |
| <b>Sparklines</b>     | Alt + N + S + L     | Control + Option + S + L     | Insert Sparklines  |
|                       | Alt + N + S + E     | Control + Option + S + E     | Edit Sparkline data  |
|                       | Alt + N + S + G     | Control + Option + S + G     | Show Sparkline group   |

|             |                 |                          |                                 |
|-------------|-----------------|--------------------------|---------------------------------|
| Slicer      | Alt + N + L     | Control + Option + L     | Insert a Slicer                 |
|             | Alt + N + C     | Control + Option + C     | Clear Slicer Filter             |
|             | Alt + N + S     | Control + Option + S     | Slicer Settings                 |
| Power Pivot | Alt + A + P + T | Control + Option + P + T | Create a Power Pivot Table      |
|             | Alt + A + P + D | Control + Option + P + D | Create a Power Pivot Data Model |

|                  |                   |                          |  |
|------------------|-------------------|--------------------------|--|
|                  | Alt + A + P + V   | Control + Option + P + V | Show Power Pivot Window                                |
| Power Query      | Alt + A + E + E   | Control + Option + E + E | Get External Data                                      |
|                  | Alt + A + E + R   | Control + Option + E + R | Refresh All  |
|                  | Alt + A + E + T   | Control + Option + E + T | Create a New Query                                     |
| Accessibility    | Alt + Shift + F11 | Option + Shift + F11     | Open the Accessibility Checker                         |
|                  | Alt + Shift + F10 | Option + Shift + F10     | Show Accessibility Options                             |
|                  | Alt + Shift + K   | Option + Shift + K       | Check Accessibility Object Keepers                     |
| Add-ins          | Alt + T + I       | Control + Option + I     | Open the Add-ins Dialog Box                            |
|                  | Alt + T + I + M   | Control + Option + I + M | Manage Add-ins   |
|                  | Alt + T + I + C   | Control + Option + I + C | COM Add-ins  |
| VBA              | Alt + F11         | Option + F11             | Open the Visual Basic Editor                           |
|                  | F5                | Command + F5             | Run the current VBA project                            |
|                  | F8                | Command + F8             | Step through VBA code                                  |
| Keyboard Control | F6                | F6                       | Switch between the Ribbon, worksheet, and other panes  |
|                  | Tab               | Tab                      | Move to the next control or option in a dialog box     |
|                  | Shift + Tab       | Shift + Tab              | Move to the previous control or option in a dialog box |

|                        |                  |                     |  |
|------------------------|------------------|---------------------|--|
| <b>Cell Formatting</b> | Ctrl + Shift + ~ | Control + Shift + ~ | Apply General number format                  |
|                        | Ctrl + Shift + ! | Control + Shift + ! | Apply Number format with thousands separator |
|                        | Ctrl + Shift + @ | Control + Shift + @ | Apply Text format                            |
| <b>Alignment</b>       | Ctrl + Shift + & | Control + Shift + & | Apply outline border                         |
|                        | Ctrl + Shift + _ | Control + Shift + _ | Remove outline border                        |
|                        | Ctrl + Shift + ~ | Control + Shift + ~ | Apply general number format                  |
| <b>Viewing</b>         | Ctrl + Shift + ( | Control + Shift + ( | Unhide rows                                  |
|                        | Ctrl + Shift + ) | Control + Shift + ) | Unhide columns                               |
|                        | Ctrl + 6         | Command + 6         | Toggle between hiding and displaying objects |
| <b>Editing</b>         | Ctrl + Shift + ` | Control + Shift + ` | Copy a formula from the cell above           |
|                        | Ctrl + Shift + + | Command + Shift + + | Insert a new worksheet                       |
|                        | Ctrl + Shift + = | Command + Shift + = | Insert the current time                      |
| <b>Data Management</b> | Ctrl + Shift + ! | Control + Shift + ! | Apply number format with thousands separator |
|                        | Ctrl + Shift + @ | Control + Shift + @ | Apply text format                            |
|                        | Ctrl + Shift + # | Control + Shift + # | Apply date format                            |
| <b>Macros</b>          | Ctrl + Shift + 8 | Control + Shift + 8 | Toggle macro recording                       |
|                        | Ctrl + Shift + 9 | Control + Shift + 9 | Stop macro recording                         |
|                        | Ctrl + Shift + 7 | Control + Shift + 7 | Run the last macro recorded                  |

|                            |                 |                              |                                    |
|----------------------------|-----------------|------------------------------|------------------------------------|
| <b>Shapes and SmartArt</b> | Alt + N + S + H | Control + Option + N + S + H | Insert a Shape                     |
|                            | Alt + N + S + A | Control + Option + N + S + A | Insert a SmartArt Graphic          |
|                            | Alt + J + F     | Control + Option + J + F     | Format a Shape or SmartArt Graphic |
| <b>Charts</b>              | Alt + N + C     | Control + Option + N + C     | Insert a Chart                     |
|                            | Alt + N + V + T | Control + Option + N + V + T | Change the Chart Type              |
|                            | Alt + N + V + D | Control + Option + N + V + D | Edit the Data Source for a Chart   |
| <b>Pictures and Media</b>  | Alt + N + P     | Control + Option + N + P     | Insert a Picture                   |
|                            | Alt + N + M     | Control + Option + N + M     | Insert a Movie                     |
|                            | Alt + N + A     | Control + Option + N + A     | Insert an Audio file               |
| <b>Page Layout</b>         | Alt + P + S     | Control + Option + P + S     | Set Print Area                     |
|                            | Alt + P + R     | Control + Option + P + R     | Clear Print Area                   |
|                            | Alt + P + P     | Control + Option + P + P     | Print Preview                      |
| <b>Protection</b>          | Alt + T + P + S | Control + Option + T + P + S | Protect Sheet                      |
|                            | Alt + T + P + U | Control + Option + T + P + U | Unprotect Sheet                    |
|                            | Alt + T + P + W | Control + Option + T + P + W | Protect Workbook                   |
| <b>Window Management</b>   | Alt + W + H     | Control + Option + W + H     | Remove Window Split                |
|                            | Alt + W + J     | Control + Option + W + J     | Freeze Top Row                     |

|  |             |                          |                     |
|--|-------------|--------------------------|---------------------|
|  | Alt + W + R | Control + Option + W + R | Freeze First Column |
|--|-------------|--------------------------|---------------------|

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|----------------------|-------------------|------------------------------|--|
| <b>Zoom and View</b> | Ctrl + Wheel Up   | Control + Wheel Up           | Zoom In                                  |
|                      | Ctrl + Wheel Down | Control + Wheel Down         | Zoom Out                                 |
|                      | Ctrl + Shift + L  | Command + Option + F5        | Apply Custom Zoom                        |
|                      | Alt + W + V       | Control + Option + W + V     | Apply Normal View                        |
|                      | Alt + W + P       | Control + Option + W + P     | Apply Page Layout View                   |
|                      | Alt + W + B       | Control + Option + W + B     | Apply Page Break Preview                 |
| <b>External Data</b> | Alt + D + P       | Control + Option + D + P     | Open the Existing Connections dialog box |
|                      | Alt + A + V + T   | Control + Option + A + V + T | Create a Data Table                      |
|                      | Alt + A + T + P   | Control + Option + A + T + P | Create a PivotTable from External Data   |
| <b>PDF</b>           | Alt + F + C       | Control + Option + F + C     | Create PDF/XPS Document                  |
|                      | Alt + A + M + P   | Control + Option + A + M + P | Open PDF in Excel                        |
| <b>Comments</b>      | Shift + F2        | Shift + F2                   | Add a New Comment                        |
|                      | Alt + R + C       | Control + Option + R + C     | Open the Comments pane                   |
|                      | Alt + R + H       | Control + Option + R + H     | Hide Comments                            |
| <b>Compatibility</b> | Alt + T + T + O   | Control + Option + T + T + O | Check Compatibility                      |
|                      | Alt + F + T + R   | Control + Option + F + T + R | Check Accessibility                      |

|                  |                 |                              |                       |
|------------------|-----------------|------------------------------|-----------------------|
| <b>Languages</b> | Alt + T + T + D | Control + Option + T + T + D | Set Display Language  |
|                  | Alt + T + T + E | Control + Option + T + T + E | Set Editing Language  |
|                  | Alt + T + M + S | Control + Option + T + M + S | Set Proofing Language |

|                               |                      |                              |  |
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| <b>Fill and Series</b>        | Ctrl + D             | Command + D                  | Fill Down  |
|                               | Ctrl + R             | Command + R                  | Fill to the Right  |
|                               | Ctrl + Enter         | Command + Enter              | Fill across the selected range with the current entry          |
|                               | Ctrl + Shift + Enter | Command + Shift + Enter      | Create a matrix of the current entry across the selected range |
| <b>Data Validation</b>        | Alt + A + V + V      | Control + Option + A + V + V | Circle Invalid Data  |
|                               | Alt + A + V + X      | Control + Option + A + V + X | Clear All Validation Circles                                   |
| <b>Data Tools</b>             | Alt + A + R + A      | Control + Option + A + R + A | Remove Duplicates  |
|                               | Alt + A + T          | Control + Option + A + T     | Create a Table   |
|                               | Alt + A + M          | Control + Option + A + M     | Convert to Range   |
| <b>Advanced Filtering</b>     | Alt + A + Q          | Control + Option + A + Q     | Create Advanced Filter   |
|                               | Alt + A + F + F      | Control + Option + A + F + F | Add Current Filter Area  |
|                               | Alt + A + F + C      | Control + Option + A + F + C | Copy Filter Area as New Sheet                                  |
| <b>Conditional Formatting</b> | Alt + H + L + R      | Control + Option + H + L + R | Clear Rules  |
|                               | Alt + H + L + N      | Control + Option + H + L + N | New Rule   |

|                         |                 |                              |                                     |
|-------------------------|-----------------|------------------------------|-------------------------------------|
|                         | Alt + H + L + V | Control + Option + H + L + V | Manage Rules                        |
| <b>Formula Auditing</b> | Alt + M + M     | Control + Option + M + M     | Remove Precedents/Dependents Arrows |
|                         | Alt + M + X     | Control + Option + M + X     | Remove All Arrows                   |
|                         | Alt + M + D     | Control + Option + M + D     | Show Dependents                     |
|                         | Alt + M + R     | Control + Option + M + R     | Show Precedents                     |

|   |                 |                              |                             |
|---|-----------------|------------------------------|-----------------------------|
| <b>Custom Views</b>                         | Alt + W + V + S | Control + Option + W + V + S | Save a Custom View          |
|   | Alt + W + V + D | Control + Option + W + V + D | Delete a Custom View        |
|   | Alt + W + V + V | Control + Option + W + V + V | Show Custom Views           |
| <b>Name Manager</b>                         | Alt + M + D     | Control + Option + M + D     | Define a Name               |
|   | Alt + M + A     | Control + Option + M + A     | Apply Names                 |
|   | Alt + M + R     | Control + Option + M + R     | Create Names from Selection |
| <b>Object Linking &amp; Embedding (OLE)</b> | Alt + N + O + L | Control + Option + N + O + L | Insert a Linked Object      |
|   | Alt + N + O + O | Control + Option + N + O + O | Insert an Object            |
|   | Alt + N + O + E | Control + Option + N + O + E | Edit an Object              |
|   | Alt + N + O + V | Control + Option + N + O + V | View an Object              |
| <b>Sharing &amp; Co-authoring</b>           | Alt + H + S + S | Control + Option + H + S + S | Share Workbook              |

|                              |                 |                              |                              |
|------------------------------|-----------------|------------------------------|------------------------------|
|                              | Alt + H + S + O | Control + Option + H + S + O | Share Options                |
|                              | Alt + H + S + R | Control + Option + H + S + R | Reload Share Workbook        |
| <b>Add-ins</b>               | Alt + T + I + M | Control + Option + T + I + M | Manage Add-ins               |
|                              | Alt + T + I + C | Control + Option + T + I + C | COM Add-ins                  |
|                              | Alt + T + I + W | Control + Option + T + I + W | Web Add-ins                  |
| <b>Background Operations</b> | Alt + T + T + B | Control + Option + T + T + B | View Background Operations   |
|                              | Alt + T + T + M | Control + Option + T + T + M | Manage Background Operations |
|                              | Alt + T + T + C | Control + Option + T + T + C | Cancel Background Operations |

|                         |                 |                              |                             |
|-------------------------|-----------------|------------------------------|-----------------------------|
| <b>Data Analysis</b>    | Alt + A + Q     | Control + Option + A + Q     | Descriptive Statistics      |
|                         | Alt + A + T     | Control + Option + A + T     | Tools > Data Analysis       |
|                         | Alt + A + R     | Control + Option + A + R     | Correlation                 |
|                         | Alt + A + K     | Control + Option + A + K     | Covariance                  |
| <b>What-If Analysis</b> | Alt + T + T + W | Control + Option + T + T + W | What-If Analysis            |
|                         | Alt + A + W + S | Control + Option + A + W + S | Scenario Manager            |
|                         | Alt + A + W + G | Control + Option + A + W + G | Goal Seek                   |
| <b>Solver</b>           | Alt + T + T + L | Control + Option + T + T + L | Solver                      |
| <b>Cube Functions</b>   | Alt + A + X + C | Control + Option + A + X + C | Create from Connection File |

|                               |                 |                              |                                  |
|-------------------------------|-----------------|------------------------------|----------------------------------|
|                               | Alt + A + X + A | Control + Option + A + X + A | Add to Data Model                |
|                               | Alt + A + X + U | Control + Option + A + X + U | Use in This Data Model           |
|                               | Alt + A + X + M | Control + Option + A + X + M | Move to Data Model               |
| <b>Query &amp; Connection</b> | Alt + D + P     | Control + Option + D + P     | Existing Connections             |
|                               | Alt + D + C     | Control + Option + D + C     | New Connection                   |
|                               | Alt + A + Q + E | Control + Option + A + Q + E | Edit Query                       |
|                               | Alt + A + C + S | Control + Option + A + C + S | Connection Properties            |
| <b>Calculate</b>              | F9              | F9                           | Calculate Now                    |
|                               | Alt + M + X     | Control + Option + M + X     | Calculate Sheet                  |
|                               | Alt + M + M     | Control + Option + M + M     | Calculate Workbook               |
|                               | Shift + F9      | Shift + F9                   | Calculate Formulas Automatically |

|  |                 |                              |                  |
|--|-----------------|------------------------------|------------------|
| <b>Tracing Precedents &amp; Dependents</b> | Alt + M + P     | Control + Option + M + P     | Trace Precedents |
|  | Alt + M + D     | Control + Option + M + D     | Trace Dependents |
|  | Alt + M + M     | Control + Option + M + M     | Remove Arrows    |
|  | Alt + M + N     | Control + Option + M + N     | Show/Hide Arrows |
| <b>Watch Window</b>                        | Alt + M + W     | Control + Option + M + W     | Add Watch        |
|  | Alt + M + W + D | Control + Option + M + W + D | Delete Watch     |

|                        |                 |                              |                                 |
|------------------------|-----------------|------------------------------|---------------------------------|
|                        | Alt + M + W + W | Control + Option + M + W + W | Watch Window                    |
| <b>Error Checking</b>  | Alt + A + I     | Control + Option + A + I     | Insert Comments on Invalid Data |
|                        | Alt + A + X     | Control + Option + A + X     | Trace Error                     |
|                        | Alt + A + E + E | Control + Option + A + E + E | Evaluate Formula                |
| <b>Forecasting</b>     | Alt + A + F + L | Control + Option + A + F + L | Create Forecast Sheet           |
|                        | Alt + A + F + C | Control + Option + A + F + C | Use Forecast Function           |
|                        | Alt + A + F + E | Control + Option + A + F + E | Exponential Smoothing           |
| <b>Real-Time Data</b>  | Alt + A + R + R | Control + Option + A + R + R | Refresh All                     |
|                        | Alt + A + R + F | Control + Option + A + R + F | Refresh                         |
|                        | Alt + A + R + M | Control + Option + A + R + M | Manage Connections              |
| <b>Multi-Threading</b> | Alt + M + A + E | Control + Option + M + A + E | Enable Multi-Threading          |
|                        | Alt + M + A + D | Control + Option + M + A + D | Disable Multi-Threading         |
|                        | Alt + M + A + S | Control + Option + M + A + S | Multi-Threading Settings        |

|                      |                   |                              |                                    |
|----------------------|-------------------|------------------------------|------------------------------------|
| <b>Accessibility</b> | Alt + Shift + F11 | Option + Shift + F11         | Open Accessibility Checker         |
|                      | Alt + Shift + F10 | Option + Shift + F10         | Access Accessibility Options       |
|                      | Alt + Shift + K   | Option + Shift + K           | Check Accessibility Object Keepers |
| <b>Trust Center</b>  | Alt + T + T + S   | Control + Option + T + T + S | Trust Center Settings              |

|                        |                 |                              |                                |
|------------------------|-----------------|------------------------------|--------------------------------|
|                        | Alt + T + T + M | Control + Option + T + T + M | Macro Settings                 |
|                        | Alt + T + T + A | Control + Option + T + T + A | Add-in Trust Settings          |
| <b>Online Features</b> | Alt + F + N + F | Control + Option + F + N + F | New Online Functionality       |
|                        | Alt + F + N + S | Control + Option + F + N + S | Share Online                   |
|                        | Alt + F + N + B | Control + Option + F + N + B | Broadcast Online               |
| <b>Styles</b>          | Alt + H + L + S | Control + Option + H + L + S | Style Inspector                |
|                        | Alt + H + L + N | Control + Option + H + L + N | New Style                      |
|                        | Alt + H + L + E | Control + Option + H + L + E | Edit Style                     |
| <b>Ink</b>             | Alt + H + I + I | Control + Option + H + I + I | Ink Tools                      |
|                        | Alt + H + I + P | Control + Option + H + I + P | Start Inking                   |
|                        | Alt + H + I + E | Control + Option + H + I + E | Stop Inking                    |
| <b>Speech</b>          | Alt + H + D + S | Control + Option + H + D + S | Speak Cells                    |
|                        | Alt + H + D + A | Control + Option + H + D + A | Speak Cells by Adding Comments |
|                        | Alt + H + D + P | Control + Option + H + D + P | Pause/Resume Speech            |