Tips & Tricks to Improve Your Excel Game

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About Excel as a Tool: Pros and Cons

Advantages

- 1. Easy data input
- 2. Easy data retrieval
- Mathematical formula easy to use
- 4. Reliable
- One location for all data

Disadvantages

- 1. Data and Growth limitations
- Difficult to learn multiple elements
- 3. Multiple levels of complexity
- 4. No quick autofill features
- Errors in calculations (formulas, currencies)

Why Excel
Tips & Tricks?

SHORTCUTS!

So What?



Greater Efficiency = Improved Productivity



Fewer key strokes (over several mouse clicks) is EASIER



Increased speed completes task sooner, leaving time for other things



It's cool!

A Word
About Excel
SHORTCUTS

Do you have to memorize all Excel Shortcuts? **NO**

 There are over 270 shortcuts for 21or more categories

Should you memorize some Excel Shortcuts? **YES**

Which ones?

That all depends on what you need

Today's
Excel Tips &
Tricks

Meant to be pretty basic

List devised from crowd-sourced inquiry of analysts from

- House Fiscal Analysis Department,
- House Research Department
- Legislative Budget Office
- Department of Revenue, Tax Research

Includes categories of ...

Excel Shortcut CATEGORIES

Workbook Navigation/ Cell Formatting

Row/Column Shortcuts

Accessibility

Formulas

Workbook Navigation/Cell Formatting



Insert Date, Time, Hyperlink



Show Formulas (single cell, worksheet)



Color Sheet Tabs, including worksheet identifier



Add Header/Footer to all tabs in Excel workbook





Select Row/Column



Delete Row/Column



Move Row/Column



Hide Unused Rows/Columns

Sticky Keys?

Accessibility

Excel to Accessible PDF

Other Accessibility suggestions

Selected Formulas SUBTOTAL

VLOOKUP

GOAL SEEK

TRACE DEPENDENTS

SUBTOTAL

- SUBTOTAL function can be used to quickly analyze datasets without relaying on more complex pivot tables.
- SUBTOTAL calculates the total value of a cell range based on a mathematical function. It allows for 11 different calculation types such as SUM, AVERAGE or COUNT, to get custom totals from a dataset.
- Allows use of a formula into a range of cells without impacting the overall total formula because it ignores other cells that contain SUBTOTAL formula.
- Also allows for updates, filtering and excludes hidden values (which SUM does not do)
- =SUBTOTAL(function num, ref1, ref2,...)

VLOOKUP

- VLOOKUP allows searches for specific data vertically, across columns
- Table must be sorted in ascending order
- =VLOOKUP(lookup_value, table_array, col_index_number,[range_lookup])
 - lookup_value: This specifies the value that you want to look up in our data.
 - table_array: This is the location where the values are present in excel.
 - col_index_number: This specifies the column number from where we need to return the value.
 - range_lookup: This has two options; if the value is set to FALSE, that means we
 are looking for an exact match. If the value is TRUE, then we are looking for an
 approximate match.

Goal Seek

- Goal Seek Analysis tool used to determine what's needed to achieve a
 desired result
 - ▶ The function works backwards, changing variables to produce end goal
 - Use of Goal Seek will change value in cell. So, make a copy of the data before using this tool
 - ▶ Goal Seek works with only one input value. For multiple values, use Solver
- Data/What If analysis tool
 - Range(): In this, we need to supply the cell reference. ...
 - Goal: In this argument, we need to enter what is the goal we are trying to achieve.
 - Changing Cell: In this argument, we need to supply by changing which cell value we need to achieve the goal.

Trace Dependents/Precedents

- Displays the relationship between cells and formulas. It shows if and where a cell is referred in another cell formula
- ► Trace <u>Dependents</u>
 - ▶ For Trace Dependents, select the cell you want to trace and press "Ctrl" + "] "
 - ▶ Show formulas "Ctrl" + "~"
 - Evaluate formula: Select the cell with the formula you want to evaluate and press "Alt" + "M" + "V"
- ▶ Trace <u>Precedents</u> same as above except for
 - ▶Select the desired cell to trace and press "Ctrl" + "["

Reference only

- ► SUBTOTAL https://www.youtube.com/watch?v=qBpjECxY2io
- VLOOKUP v XLOOKUP https://www.excelcampus.com/functions/vlookup-vs-xlookup/
- Trace Dependents https://www.youtube.com/watch?v=_itFoym6NQo
- ▶ Goal Seek Data/WhatIF analysis https://www.google.com/search?channel=fen&client=firefox-b-1-d&q=what+is+goal+seek+in+excel#fpstate=ive&vld=cid:9b4fd5c6,vid:2sN_OBp0O1ks,st:0

Questions & Comments

THANK YOU!