

2022 WASBO  
ACCOUNTING CONFERENCE

EXCEL WORKSHOP

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## Getting Started

- 1000s of features and 100s of Ribbons commands.
- Quick Access Toolbar, Ribbon tabs, Formula Bar, Spreadsheet grid, Status bar

## Excel as a Calculator

- Instead of reaching for your calculator, use Microsoft Excel to do the math.
- On a worksheet you can enter simple formulas to add, divide, multiply and subtract two or more numeric values
- All formulas begin with the = sign
- Simply type any math formula into a cell, such as =5+6, then hit enter

## Quick Access Toolbar

- Commands on Quick Access Toolbar are independent of the tab on the ribbon that is currently displayed.
- Convenient place for common commands, such as New, Print, Save As, Filter, or Publish to PDF.
- To add buttons, simply right-click a button from any toolbar and choose “Add to Quick Access Toolbar”.

## Keyboard Shortcuts

Here is a list of commonly used keyboard shortcuts:

<b>Shortcut</b>	<b>PC</b>	<b>Mac</b>
Moves to next “break” in data	Ctrl + →	^ + →
Moves to next “break” in data	Ctrl + ←	^ + ←
Highlights all data to the next “break”	Ctrl + Shift + →	^ + Shift + →
Highlights all data to the next “break”	Ctrl + Shift + ←	^ + Shift + ←
Highlight entire table	Ctrl + A	Command + A
Save	Ctrl + S	Command + S
Print	Ctrl + P	Command + P
Cut/Copy/Paste	Ctrl + X or C or V	Command + X or C or V
Edit Cell	F2	^ + U
Repeat Last Command	F4	Command + F4
Spellcheck	F7	Fn + F7
Insert “break” in text	Alt + Enter	Ctrl + Option + Enter
Switch between worksheets	Ctrl + Page Up or Down	Fn + ^ + ↑ or ↓
Switch between open Excel programs	Ctrl + Tab	^ + Tab
Switch between all open programs	Alt + Enter	Command + Tab

- When you press Control and any arrow key, you can jump to last populated cell in that direction.
- If you hold Shift while pressing Control and any arrow, Excel will select all the cells between where you are and where you jump with the Control Key.
- Control + End will take you to the last row and column of your data.

- Control + A will select all data in the contiguous range.
- To select a noncontiguous range of cells, hold Control while selecting the individual cells.
- Control + Page Down or Page Up will switch tabs.
- Control + Tab will switch between files.
- Alt + Tab will switch between open programs.
- You can also hit the Alt key to access and view the shortcut keys for the Ribbons
- For more keyboard shortcuts, hit F1 for the Excel help menu or go to this website: <https://exceljet.net/keyboard-shortcuts>

### Data Import - Convert from PDF

- Allows users to import data from a pdf into Excel, such as a bank statement or debt schedule.
- To use this command, save your PDF to your computer. Then choose Data→Get Data →From File→From PDF. Then choose your PDF that you have saved to your computer.
- You can preview each of the tables that Excel is attempting to import. When you find the table you like, choose Load.

### Fill/Justify

- Allows users to reformat text in Excel so that it fits into a pre-selected space.
- To use this command, highlight your data and the range you would like your data to spread out across. Then choose Home → Editing→Fill →Justify.

### New Window

- Useful when creating a file with formulas referencing other tabs
- Choose View->Window->New Window

### VLOOKUP

- Allows users to lookup a value you want to find in an Excel list or table
- In plain English, the VLOOKUP function says:
  - =VLOOKUP (Value you want to look up, range where you want to look up the value, the column number in the range containing the return value, Exact Match or Approximate Match – indicated as 0/FALSE or 1/TRUE)
- See the screenshot for an example on how to return the name of the school building in cell G4 by entering the building code in cell G3.

	A	B	C	D	E	F	G
1							
2		<b>Building Code</b>	<b>Building</b>	Enter Building Code:	200		
3		100	Elem School			Results:	Middle School
4		200	Middle School				
5		400	High School				
6		800	District-Wide				
7							

## XLOOKUP

- Allows users to lookup a value you want to find in an Excel table list or table
- Can be used for replacement for VLOOKUP and HLOOKUP
- More flexible than VLOOKUP, but not available in older versions of Excel
- To remove duplicates, select your data and choose Data → Remove Duplicates

## Conditional Formatting

- You can automatically change the format of a cell based on certain criteria.
- Using Conditional Formatting can really make your data stand out
- To use Conditional Formatting, highlight your data and choose Home → Conditional Formatting, then choose which option you would like.

## Find Duplicate Entries

- Can be done with Conditional Formatting
  - Select the range you wish to test, choose Home → Conditional Formatting → Highlight Cells Rules → Duplicate Values
  - Can isolate duplicates only using Excel's Filtering option.

## Text to Columns

- Take text that is in one cell and split it into multiple cells.
- Instructions:
  - Highlight your data
  - Choose Data → Text to Columns
  - In the Convert Text to Columns Wizard, select Delimited → Next
  - Select your delimiters, such as comma or space
  - Select Next
  - Select your destination
  - Select Finish

## INDEX/MATCH

- Used for advanced lookups in Excel. You can do vertical, horizontal, left lookups, and lookups on multiple criteria.

- Advantages of Index/Match over VLOOKUP:
  - Clicking on field for value to return, as opposed to static reference
  - Can insert columns
  - Easier to drag and copy formulas
  - Additional columns require array updates
  - Right to left lookup
  - Can be used as HLOOKUP
  - Lower processing speed

## SUMIF

- Used to sum the values in a range that meet criteria you specify.
- The syntax is as follows: =SUMIF(range, criteria, [sum range])
  - Important: If your criteria is text or includes mathematical symbols, it must be enclosed in double quotation marks.
- The **sum\_range** is optional. If it is not used, Excel uses the values in the **range** argument.

## SUMIFS

- Used when you want to find the total of arguments that meet multiple criteria
- The syntax is as follows: =SUMIFS(sum range, criteria range 1, criteria 1, criteria range 2, criteria 2, etc.)
  - Important: If your criteria is text or includes mathematical symbols, it must be enclosed in double quotation marks.

## Filtering

- Add a filter
  - On the Home Ribbon, choose Editing→Sort & Filter→Filter.
- Quick way to find data:
  - Use the Search box in the Filter menu
- Use Autosum to find subtotals of filtered data
- Delete data of your choosing
- Filtered data can be copied to new sheet

## Pivot Tables

- What is a Pivot Table?
- Creation of a Pivot Table
- Drag & Drop data fields
  - Columns
  - Rows
  - Values
    - Summarize Value By (sum, average, count, max, min, product)

- Show value as (rank, %, etc.)
  - Number format
  - Filters
- Change the Pivot Table view
- Set Pivot Table options
- Field settings
- Sorting
- Totals
- Slicer
- Design/Styles/Themes
- Refresh the Pivot Table
- Change Source Data
- Filters & Grouping
- Generate GetPivotData