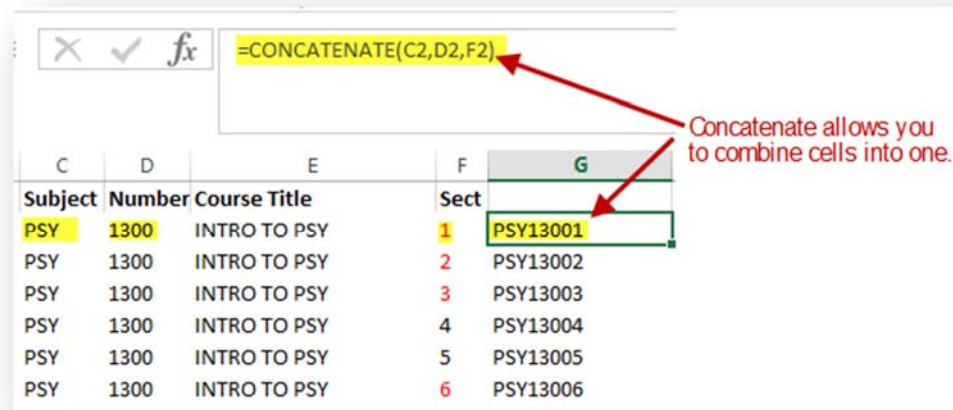


The CONCATENATE Function

One of Excel's text functions, is used to join two or more words or text strings together.



The [syntax](#) for the CONCATENATE function is: = **CONCATENATE** (*text1*, *text2*, ... *text255*)

Example: Using Excel's CONCATENATE Function

Note: The concatenate function does not automatically leave a blank space between words or other data. To add spaces between the concatenated data we will add a space to lines *Text 2* and *Text 4* of the [dialog box](#) using the space bar on the keyboard .

1. Click on cell G2 - the location where the results of the function will be displayed.
2. Click on the *Formulas* tab.
3. Choose **Text Functions** from the ribbon to open the drop down list.
4. Click on **CONCATENATE** in the list to bring up the function's dialog box.
5. On line *Text 1* of the dialog box, type in C2 (no quotations) or click on cell E2 to enter that cell reference into the dialog box.
6. On line *Text 2* of the dialog box, type in D2 (no quotations) or click on cell E2 to enter that cell reference into the dialog box.
7. On line *Text 3* of the dialog box, type in E2 (no quotations) or click on cell E2 to enter that cell reference into the dialog box.
8. Click OK.
9. The concatenated cell should appear in cell G2.
10. The complete function = **CONCATENATE(PSY13001)** appears in the formula bar above the worksheet.

Find Duplicate Data with **Conditional Formatting**

Finding duplicates - whether they be formulas, numbers, dates, or entire data records - is easily accomplished in Excel using conditional formatting.

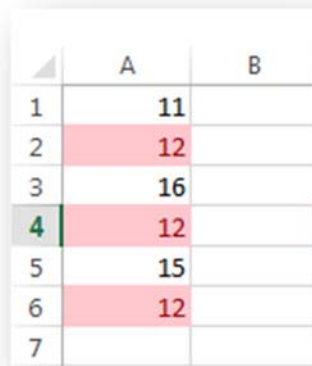
What **conditional formatting** does is apply specific formatting options - such as a change in font or cell background color - when certain conditions are found in your data.

In the case of duplicate data, you can have all the duplicate information change to the same color so it is easy to find.

Example: Find Duplicates with Conditional Formatting

1. Enter the following data into cells A1 to A6:

11, 12, 16, 12, 15, 12
2. Select column A on the spreadsheet.
3. Click on the *Home* tab.
4. Click on the **Conditional Formatting** icon on the ribbon to open the drop down menu.
5. Choose **Highlight Cell Rules > Duplicates Values...** to open the conditional formatting dialog box.
6. Select *Light Red Fill with Dark Red Text* from the list.
7. Click *OK* to accept the selections and close the dialog box.
8. Cells A2, A4, and A6 should be formatted with a light red background color and dark red text since all three contain duplicate data - the number 12.



The screenshot shows an Excel spreadsheet with two columns, A and B, and seven rows. The data in column A is: 11, 12, 16, 12, 15, 12. The cells containing the value 12 (rows 2, 4, and 6) are highlighted with a light red background and dark red text. The cell containing 16 (row 3) is highlighted with a light blue background and dark blue text. The other cells are empty.

	A	B
1	11	
2	12	
3	16	
4	12	
5	15	
6	12	
7		


The same steps can be followed to use conditional formatting to highlight duplicate data records in an Excel database, as well as duplicate formulas, dates, or other values in your data range.

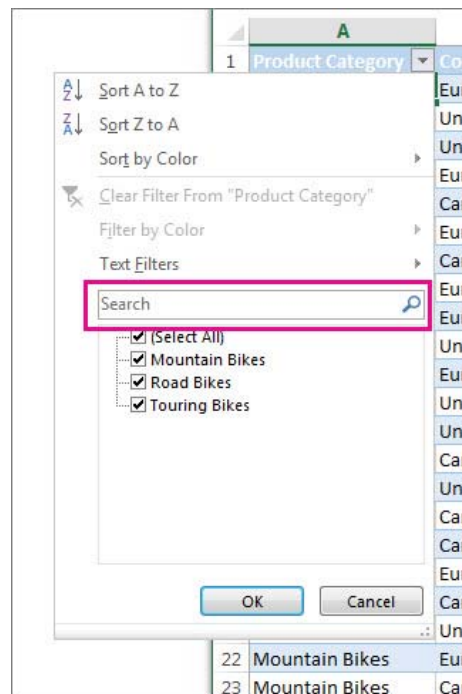
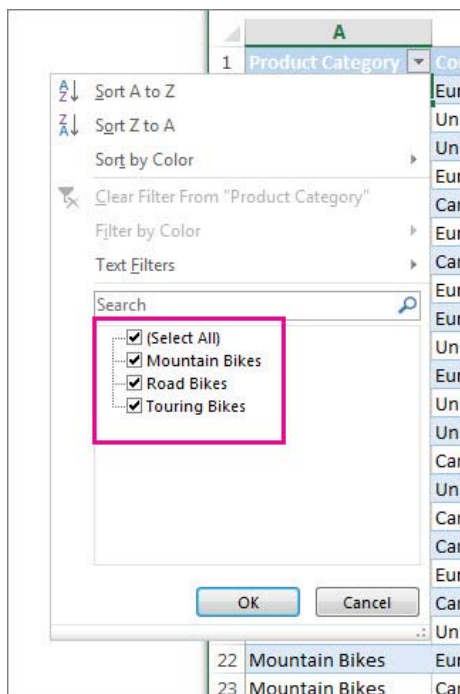
Use **AutoFilter** to filter your data

Use AutoFilter to find values, show or hide values, in one or more columns of data. You can filter based on choices you make from a list, search to find the data that you want to see. When you filter data, entire rows are hidden if values in one or more columns don't meet the filtering criteria.

1. Select the data row you want to filter.
2. Click **Data** > **Filter**.



1. Click the arrow  in the column header and do one of the following:
2. Select specific values: Check **(Select All)** to clear all of the check boxes, and then select only the values you want to see.



Search for values: In the **Search** box, type text or numbers you want to see.

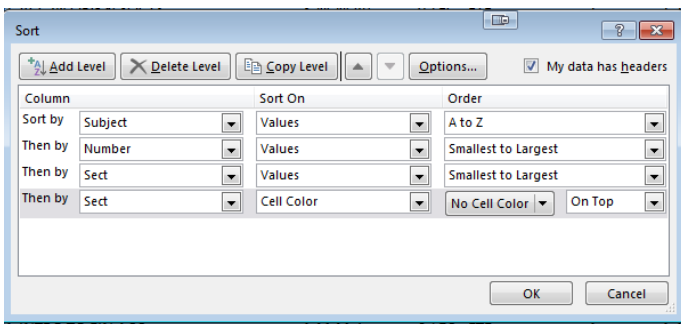
Click **OK** to apply the filter

Comparing Spreadsheets

1. Start with two files.
 - Your submission [ACC 1st Edit Submission]
 - A new report off of Logi-131 (SOC list) [ACC Banner]

*****Make sure both files have the same column headings.*****
2. Color code the new Logi-131 data (Blue)
3. Cut and Paste below your submission data and SAVE AS new file name. [ACC Comparison File].
4. Highlight Header Row: Fill in color [Black]
Freeze Header Row: View Tab→Freeze Panes→ Freeze top row
5. Sort your information.

Sort Tip



6. Delete Rows you requested to be deleted
7. Add CRNS to rows you requested to be added
8. Delete Info on Column A
Rename Column A [Merged]
Filter Header Row: Data Tab→Filter
9. Double check **Section Numbers Match**
Concatenate CRN, SUBJECT, NUMBER, SECT in cell A2 and copy formula down to the end.
Highlight column A → Home Tab→Conditional Formatting→ **Highlight Cell Rules > Duplicates Values→OK**
Use **Filter by Color** to identify discrepancies (Highlight CRN)
10. Add CAMP, LOC, TYPE, METH to Concatenate formula
Copy Formula down
Use **Filter by Color** to identify discrepancies (Highlight CRN)
Hide CAMP, LOC, TYPE, METH
11. Add INST MODE, SP APP, POT SESSION, LINK IDEN, LINK CONN to Concatenate formula
Copy Formula down
Use **Filter by Color** to identify discrepancies (Highlight CRN)
Hide INST MODE, SP APP, POT SESSION, LINK IDEN, LINK CONN
12. Continue until all columns have been compared.
13. Unhide all columns and filter by CRNs with discrepancies.