Chapter 10: Data Management Tech.md

Section 1: Clean up spaces with the TRIM Function

- We have leading and trailing spaces/whitespace
- F9 to quick evaluate
- TRIM() removes leading or trailing whitespace
 - Ex 1)
 - 1. Insert an extra temp column (a new D column), set the first cell in the column to be =TRIM(C1)
 - 2. Double click the smart box at the bottom right of the active cell
 - 3. Now RMB and hold, drag over the original column, from the drop down select Copy Here as Values Only
 - 4. Delete the new temp column
 - o Ex 2)
 - 1. We have a formula =IF(AND(E2="Full Time", J2>3),1000,0)
 - 2. But the E column has trailing whitespace sometimes so the strict comparison of "Full Time" == "Full Time" is FALSE
 - 3. For this we would use TRIM=IF(AND(TRIM(E2)="Full Time", J2>3),1000,0)

Section 2: Split column data using Text to Columns and Flash Fill

- Data tab / Data Tools group / Text to columns
 - Use space delimeted
 - Splits the columns over the space sperateing names
- Data tab / Data Tools group / Flash Fill
 - Flash Fill is a quick way to fill a nearby column with data
 - Excel will assume you are spliting based on common delimiters
- Ctrl-E to use quick Flash Fill

Section 3: Join data with the TEXTJOIN function and Flash Fill

- Flash Fill can do this for you
 - Type the "last name, first name." Then press enter.
- Or =C2 & ", " & B2
- To remove the green triangles in the box go to Fill / Options / Formulas uncheck "Numbers formmatted as text..."
 - Also useful to remove this and more for presentation of a data sheets
- TEXTJOIN
 - Only available in Office 365 which I do not have
 - o =TEXTJOIN("=",TRUE,J2:M2)
 - Concatenate(X,"=",Y,...) will have to do
 - Ex) = CONCATENATE(J2,"-",K2,"-",L2,"-",M2)

Section 4: Insure unique entires with data validation rules

- Hightlight cell rules
 - Does not stop the user from entering poor data such as duplicates
- For this we need data validation
 - Data tab / Data tools group / Data Validation
 - Custom rule
 - o =AND(COUNTIF(B:B,B1)=1,LEN(B1)=4)
 - Needs to be unique
 - Needs to be a length of strictly 4

Section 5: Display unique items from large lists

- You can use Remove Duplicates from the Data tab to drop rows that are EXACT duplicates
 - o Data tab / Data Tools tab / Remove Duplicates
- To make a copy of the list use the Advanced Filter
 - Data tab / Sort & Filter tab / Advanced (Filter)
 - Toggle to Copy to another location
 - Select the list range
 - Choose a Copy to location
 - Select unique records only
- To see just the unique categories in a list do the same as above but simply select only a single column
- You can also create a Pivot table off of a single column. This makes a new sheet with the pivot table in it. On the right select the column you selected before