Chapter 7: Formula Shortcuts

Section 1: Create formulas rapidly

- Alt+'=' = Autosum hotkey
 - Then press the column (ex 'J' or 'A') that will sum all cells in the selected column
- sumif() = Sums all rows X column if the row also has Y value equal to something
 - O EX: =SUMIF(E:E,M13,J:J)
 - o FORM: =SUMIF(range, criteria, [sum_range])
 - for range if == critera place in sum
- averageif() = Average all rows X column if the row also has Y value equal to something
 - O EX: =AVERAGEIF(E:E,M13,J:J)
 - o FORM: =AVERAGEIF(range,criteria,[average_range])
 - for range if == critera place in sum. Finally average that over all rows that == critera
- Sum can also do multiple rows
 - =SUM(3:3,13:13) gets both row 3 and row 13

Section 2: Select all dependent or precendent cells

- Ctrl+Shift+']' = Select all cells dependent on the currently selected cell
- Trace Dependents = Draw arrows to show the flow of cell that is being used in other cells
 - Formulas Tab, Formula Auditing group
 - o Clicking multiple times will show each level down the tree it goes
 - It will also show different sheets (Dashed line to icon of sheet)
- Ctrl+Shift+'[' = Select all cells precendent on the currently selected cell
- Trace Precendent = Draw arrows to show the flow of cell that is being used in selected cell
 - Formulas Tab, Formula Auditing group
 - Clicking multiple times will show each level up the tree it goes

Section 3: Use AutoSum shortcuts

- Alt+'=' = Autosum hotkey
- Use commas to spearate different ranges/sections
 - Need not be contiguous
- Excel will favor going up and left if the AutoSum is used without highlighting a specific area
- Highlighing a 2+ by 2+ area will do multiple sums at once
 - This favors going down
 - Highlight the area right and down to do both at the same time
 - Also works with average
 - Selectable from the Autosum dropdown

Section 4: Count the number of unique entries

- Highlight Duplicates can be flipped into Unique
- Filter can look at only unique records
- Array Formula = press Ctrl+Shift+Enter

• {=SUM(1/COUNTIF(C3:C743,C3:C743))}

Section 5: Use conditional formatting to highlight formula cells

- Find and select only highlights stuff in the moment, not actively adding or removing when a requirement is met or not met
- Create a highlight rule using formula
 - Home tab / Conditional Formatting / New Rule / Use Formula to ...
 - o =ISFORMULA(A1)
 - Using A1 is done in the background, but applies to the whole sheet

Section 6: Preform calculations without formulas

- Paste special can add cell to a group of cells
 - 1. Select Cell to Add
 - 2. Select Area to add X to all of group Y
 - 3. Ctrl+Alt+'V' = Paste Special
 - 4. Choose 'Add' in the operations
- Can also be used with multiply
 - Ex. Use 1.1 as the cell and choose multiply