**IS 312 Excel HW#5 Help for Thursday Class**

Dear Thursday 7 PM class:

I have given the T/R class some help on this problem. Since your class will not meet before the homework is due, I feel obliged to provide the same help to you to keep you on the “level ground” with T/R class. So here we go:

[First of all, a segment of the spreadsheet to facilitate the descriptions/discussion]

|  |  |  |
| --- | --- | --- |
|  |  |  |

1. Re columns K, L, and M: here’s my instruction for those three columns in the homework (copied and pasted):

|  |
| --- |
| In columns K,L,M, write ONE formula to |
| display the NAME of student, if s/he |
| is the max of the corresponding item |

In K (same for L and M), the task is to find out the highest score in H (Excel Project; not shown in segments above), and when the highest score is found, in the same row for column K (where the formula you’re writing will be entered), list the name of that person earning the top score.

Hint

1) You know how to find the highest value in a range (a column or row) right?

2) If you find a highest score, display the name of that student (where is the name stored in this spreadsheet? – my hint);

3) If the score is not the highest, leave the current cell blank.

-- Are the above the logic of an IF? – a simple IF, not even nested IF.

1. Re columns N and O, the task is:

Compare

|  |
| --- |
| In N,O, write an IF, with lookup, |
| to find out a top performer's |
| student org and position |

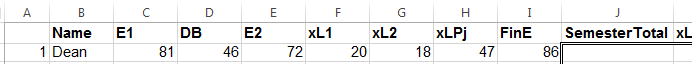
So, now your formula will be based on the status of the K/L/M columns, for which your current-cell formula would either be an IF with AND, or IF with OR:

Using AND: “IF ALL cells in K, L, and M are blank – which is an AND condition, you don’t do anything – forget about this student; otherwise, use the student’s name in the lookup across page to find his/her student org position and which organization s/he plays the leadership role.”

Using OR: “IF the cell in K or L or M – either one of the three is NOT BLANK – which is an OR condition, use this student’s name for a lookup across… (same as in the AND case)”

– I have given you the formula, basically :-)

1. The formula for Row 26: Here you want to find “the percentage of students who got a B or higher”. Here for “B” please use 80%.





So how would you find out the % of number of students getting B or above? – (1) the number of B or above students divided by (2) the number of all students right?

1. Is a COUNTIF right?
2. I searched on Google with the search words: “Excel count non-blank cells” and got it in the top-three search results :-)
3. For this row, I haven’t figured out a way to write only one formula for all cells for the following reason in “a”; so you just have to write eight formulas, each for a column from C to J. For the extra workload (in fact it’s only one formula with seven variations), I’ll give 2 points of bonus.
   1. Reason why one formula cannot handle all cells ((C26:J26): we want to count the number of students “80% or higher” for that item, be it a 100-point exam, or 50-point project, or a 20-point homework, for which the 80% are 80, 40, and 16, respectively. I tried to use formulas (something divided by something) in the COUNTIF formula and it wouldn’t work; so you just have to use the number that you figure out – 80, 40, 16, etc).