**Assignment 5**

Read carefully the following instructions and complete the assignment not later than the deadline.

Download from the course website the file lab05.xls.

Complete the following on the lab05.xls file (see the Figures in this document for layout issues):

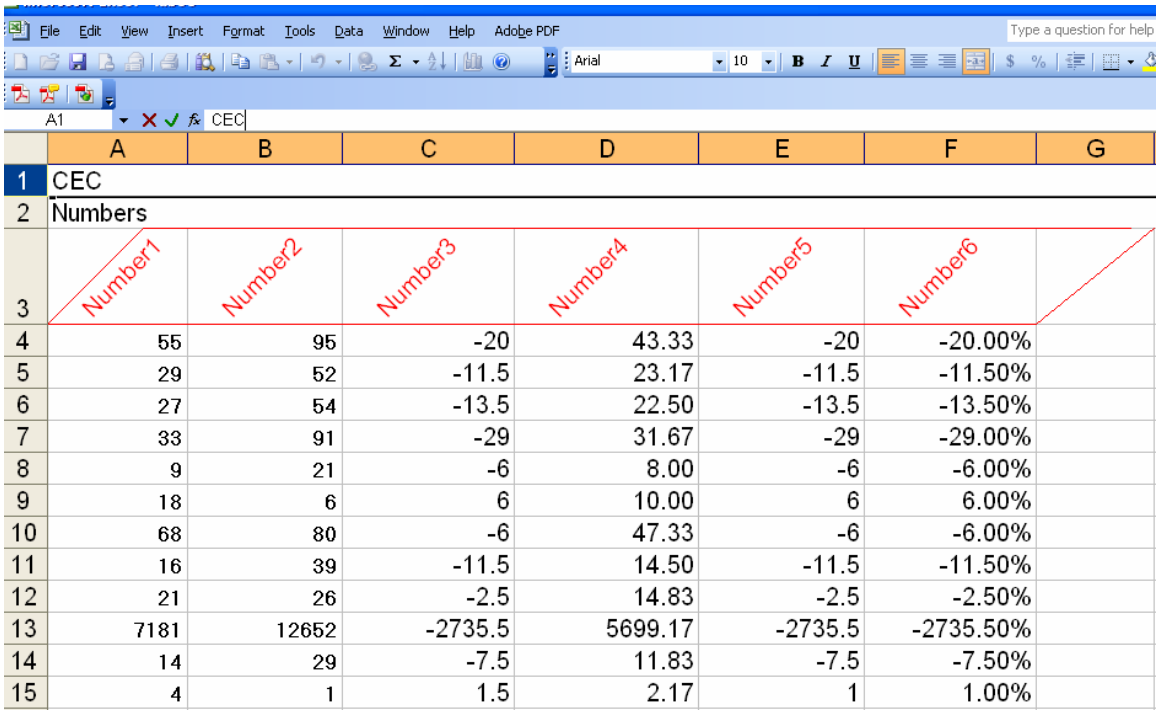
1. Rename worksheet “sheet1” in “Numbers”.
2. Rename worksheet “sheet2” in “Percentages”.
3. In worksheet “Numbers” complete the following:
    a. The cells in row 1 should be merged. The format of the cell should be “Text”. Write in the merged cell the following: “Central Election Commission” and align it to left.
    b. The cells in row 2 should be merged. The format of the cell should be “Text”. Write in the merged cell the following: “Final numbers and results” and align it to left.
    c. The cells in row 3 should have a change in orientation of 45 degrees as shown in Figure 1.
    d. The cells in row 3 should have a red border as shown in Figure 1. The font should be in red too.
    e. All cells C4:C143 should be equal to (Ax - Bx) / 2. For example, C4 = (A4 – B4) / 2; C5= (A5 – B5) / 2 and so on.
    f. All cells D4:D143 should be equal to the average of Ax, Bx, Cx. For example, D4 = (A4 + B4 + C4) / 3. Use the AVERAGE function of EXCEL. The format of cells Dx should be “Number” with decimal places equal to 2.
    g. All cells E4:E143 should be equal to the minimum number among Ax, Bx, Cx and Dx. Use the MIN function of EXCEL.
    h. All cells F4:F143 should be equal to the Ex numbers expressed in percentage. The format of cells Fx should be “Percentage” with two decimal places.
    i. Margins of the worksheet should be equal to 1 for left, right, top and bottom.

4. In worksheet “Percentages” complete the following:
    a. The format of all number cells Bx, Cx, in the worksheet should be “Percentage” with 4 decimal places as shown in Figure 2.
    b. Define the following range names for the relative cells:
        i. Washington for cells B3:B13
        ii. Tacoma for cells B14:B27
        iii. Seattle for cells B28:B37
    c. Using the defined range names complete as follows:

i. Put in the cell C3 the average of range Washington. (use the function AVERAGE of EXCEL found under Statistical functions)
ii. Put in the cell C14 the standard deviation of range Tacoma. (use the function STDEV of EXCEL found under Statistical functions)
iii. Put in the cell C28 the logical function "if…then…else" specified as follows:
IF(C3>3.8,
THEN
AVERAGE(seattle) * 2
ELSE
AVERAGE(seattle) / 2
iv. Put in cell C38 the logical function AND specified with the following conditions:
(C3 < 5)
(C14 < 2)
(C28 < 3).

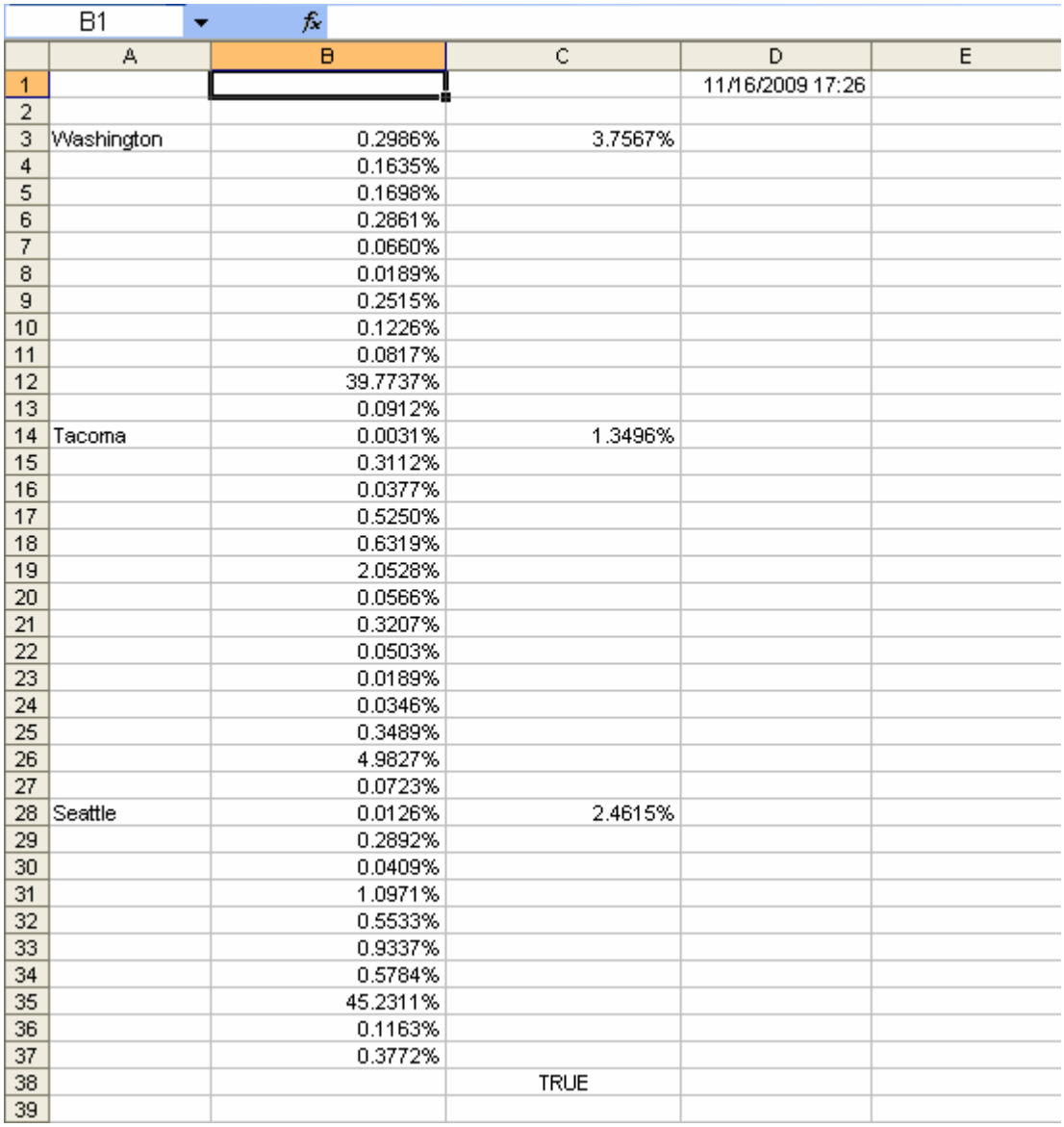
d. Insert a comment in cell C3 and write the following text: "Final Washington Results".
e. Insert a header and a footer
    i. Put in the header (center section) the number of the current page and the total number of pages.
    ii. Put in the footer (center section) the current date and time
f. Insert in cell D1 the volatile date and time with the function NOW of EXCEL.

5. Save the file with name-surname-assignment5.xls and send it to marenglenbiba@unyt.edu.al not later than November 30th.6.00 PM.




| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| 1 | CEC | | | | | | |
| 2 | Numbers | | | | | | |
| 3 | Number1 | Number2 | Number3 | Number4 | Number5 | Number6 | |
| 4 | 55 | 95 | -20 | 43.33 | -20 | -20.00% | |
| 5 | 29 | 52 | -11.5 | 23.17 | -11.5 | -11.50% | |
| 6 | 27 | 54 | -13.5 | 22.50 | -13.5 | -13.50% | |
| 7 | 33 | 91 | -29 | 31.67 | -29 | -29.00% | |
| 8 | 9 | 21 | -6 | 8.00 | -6 | -6.00% | |
| 9 | 18 | 6 | 6 | 10.00 | 6 | 6.00% | |
| 10 | 68 | 80 | -6 | 47.33 | -6 | -6.00% | |
| 11 | 16 | 39 | -11.5 | 14.50 | -11.5 | -11.50% | |
| 12 | 21 | 26 | -2.5 | 14.83 | -2.5 | -2.50% | |
| 13 | 7181 | 12652 | -2735.5 | 5699.17 | -2735.5 | -2735.50% | |
| 14 | 14 | 29 | -7.5 | 11.83 | -7.5 | -7.50% | |
| 15 | 4 | 1 | 1.5 | 2.17 | 1 | 1.00% | |

Figure 1. Worksheet named “Numbers’.



| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | | | | 11/16/2009 17:26 | |
| 2 | | | | | |
| 3 | Washington | 0.2986% | 3.7567% | | |
| 4 | | 0.1635% | | | |
| 5 | | 0.1698% | | | |
| 6 | | 0.2861% | | | |
| 7 | | 0.0660% | | | |
| 8 | | 0.0189% | | | |
| 9 | | 0.2515% | | | |
| 10 | | 0.1226% | | | |
| 11 | | 0.0817% | | | |
| 12 | | 39.7737% | | | |
| 13 | | 0.0912% | | | |
| 14 | Tacoma | 0.0031% | 1.3496% | | |
| 15 | | 0.3112% | | | |
| 16 | | 0.0377% | | | |
| 17 | | 0.5250% | | | |
| 18 | | 0.6319% | | | |
| 19 | | 2.0528% | | | |
| 20 | | 0.0566% | | | |
| 21 | | 0.3207% | | | |
| 22 | | 0.0503% | | | |
| 23 | | 0.0189% | | | |
| 24 | | 0.0346% | | | |
| 25 | | 0.3489% | | | |
| 26 | | 4.9827% | | | |
| 27 | | 0.0723% | | | |
| 28 | Seattle | 0.0126% | 2.4615% | | |
| 29 | | 0.2892% | | | |
| 30 | | 0.0409% | | | |
| 31 | | 1.0971% | | | |
| 32 | | 0.5533% | | | |
| 33 | | 0.9337% | | | |
| 34 | | 0.5784% | | | |
| 35 | | 45.2311% | | | |
| 36 | | 0.1163% | | | |
| 37 | | 0.3772% | | | |
| 38 | | | TRUE | | |
| 39 | | | | | |

Figure 2. Worksheet named “Percentages”.