

Statistics - OR 155, Section 1, Homework Class Problem 2

Due: Thursday, January 22, 2009

The Excel Manual is available at StatsPortal (<http://portals.bfwpub.com/ips6e>). To get into StatsPortal for the first time, follow the instructions inside of the StatsPortal access card (purchased with your textbook). When you are registering in StatsPortal, be sure to choose our STOR155 course (with my name as Instructor) from the drop-down menu.

After you have registered in StatsPortal, you will be able to Login (using your email address and your password). On the StatsPortal homepage, click on our course "Introductory Statistics - STOR 155"; this will lead you to our course homepage (within StatsPortal). Under the heading "StatsPortal Resources", look in the drop-down menu ("Choose a resource") and select "Student Enhanced Excel Manual". On the resulting page, click on the link "Student Enhanced Excel Manual"; then on the next resulting page click on the link "Student Enhanced Excel Manual" (PDF document). Follow those steps whenever you want the Excel Manual.

You can now read the Excel Manual either by scrolling through the electronic file or by printing out the assigned pages on paper. It is suggested that you use Excel to "work along with" the examples as you read them in the Excel Manual. Therefore, it may be more convenient to print the assigned pages from the Manual and just use your computer for actually working in Excel.

In the Excel Manual (Chapter 0), read pages 1 - 21. While you read the Excel Manual, it is recommended that you use your computer to try out and experiment with each new step in Excel. Be sure to activate Excel's "Analysis ToolPak" add-in, as described on page 20 of the Excel Manual.

Now open a new Excel worksheet (this is the only worksheet that will be printed and handed in as part of today's homework assignment). As shown on page 11 of the Excel Manual, enter the numbers and the formula in the appropriate cells. Also enter into cell D2 the formula:  
 $=A3-(C5)^3$

Be sure that you understand the resulting numerical answer in cell D2.

Next, enter the number "17" into cell F1, and enter the number "34" into cell F2. Use Excel's AutoFill feature (bottom half of page 16 in the Excel Manual) to continue the series through cells F3 to F30; the final entry in cell F30 should be 510. In cell F31, calculate the average:  
 $=AVERAGE(F1:F30)$  by using the "Insert Function" button (see pages 6, 7, 11, 12 in the Excel Manual).

\*\*\*Template to Hand In:

Print your Excel spreadsheet (one page); it should only have entries in cells A1, A3, C5, D2, and F1:F31. Be sure to adjust all column widths so that every entry is completely visible. In your page set-up for printing (see pages 19 and 20 in the Excel Manual), be sure to: use "portrait" orientation, include "gridlines" and include "row and column headings" (these options are available on the tab called "Sheet" in the Page Setup Menu).