EXCEL Step by Step

Grouped Frequency Distribution (Quantitative Data)

These data represent the record high temperatures in degrees Fahrenheit (°F) for each of the 50 states. Construct a grouped frequency distribution for the data, using 7 classes.

112	100	127	120	134	118	105	110	109	112
110	118	117	116	118	122	114	114	105	109
107	112	114	115	118	117	118	122	106	110
116	108	110	121	113	120	119	111	104	111
120	113	120	117	105	110	118	112	114	114

Making a Grouped Frequency Distribution (Quantitative Data)

1. Press **[Ctrl]-N** for a new workbook.

2. Enter the raw data in column A, one number per cell.

3. Enter the upper class boundaries in column B.

4. From the toolbar select the Data tab, then click Data Analysis.

   Note: If Data Analysis is not there follow these steps

   1. Click the File tab, click Options, and then click the Add-Ins category
   2. In the Manage box, select Excel Add-ins and then click Go.
   3. In the Add-Ins box, check the Analysis ToolPak check box, and then click OK.

5. In the Analysis Tools, select Histogram and click [OK].

6. In the Histogram dialog box, type **A1: A50** in the Input Range box and type **B1: B7** in the Bin Range box.

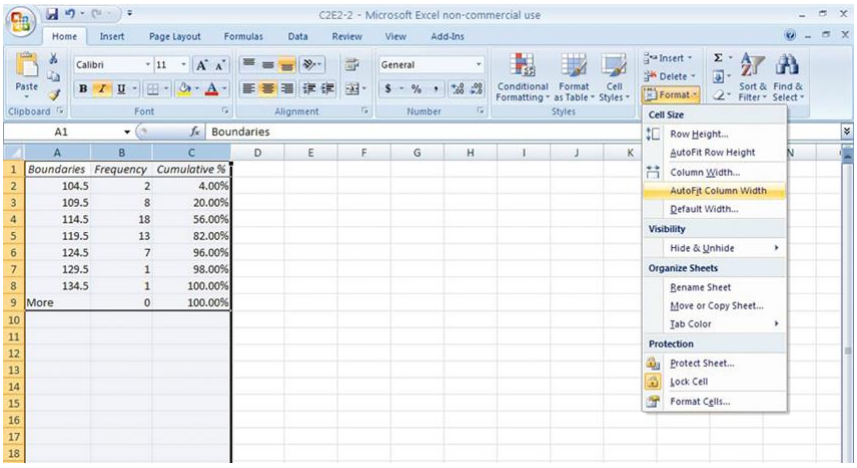
7. Select New Worksheet Ply, and check the Cumulative Percentage option. Click [OK].

8. You can change the label for the column containing the upper class boundaries and expand the width of the columns automatically after relabeling:

   Select the Home tab from the toolbar.

   Highlight the columns that you want to change.

   Select Format, then AutoFit Column Width.



Note: Leave the Chart Output ***unchecked***, so that a new worksheet will display the table.