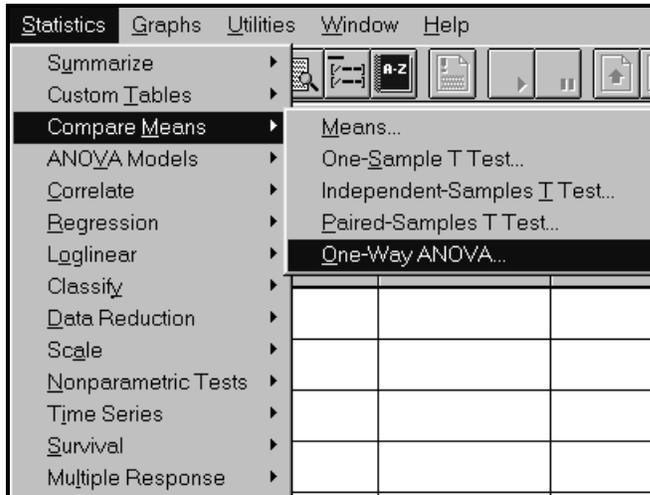


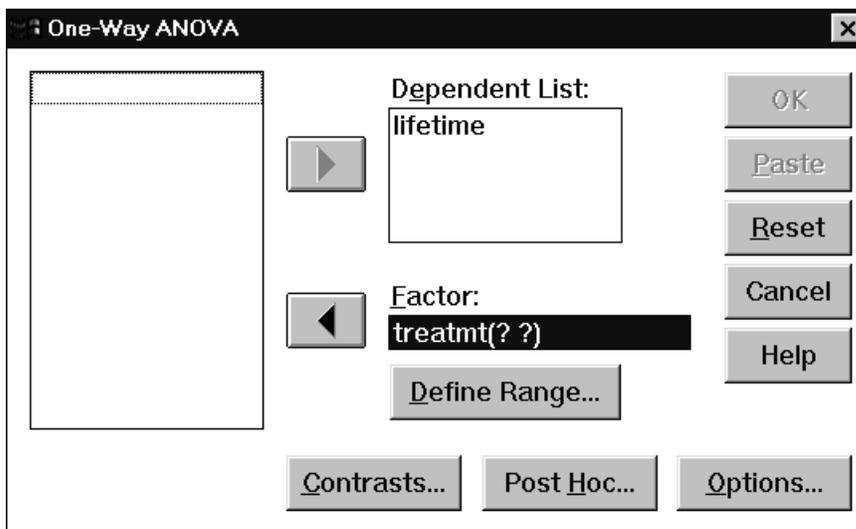
DIET AND LONGEVITY STUDY

13. The One-Way ANOVA in SPSS

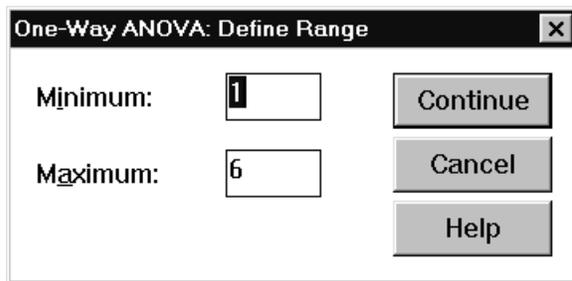
To direct SPSS to perform the One-Way ANOVA, click on *Statistics* from the menu bar, and then on *Compare Means* from the pull-down menu.



Now click on One-Way ANOVA from the pull-down menu to open the One-Way ANOVA dialog box. Click on and move the *lifetime* variable to the Dependent List box using the upper right arrow button. Then click on and move the *treatmt* variable to the Factor box using the lower right arrow button.

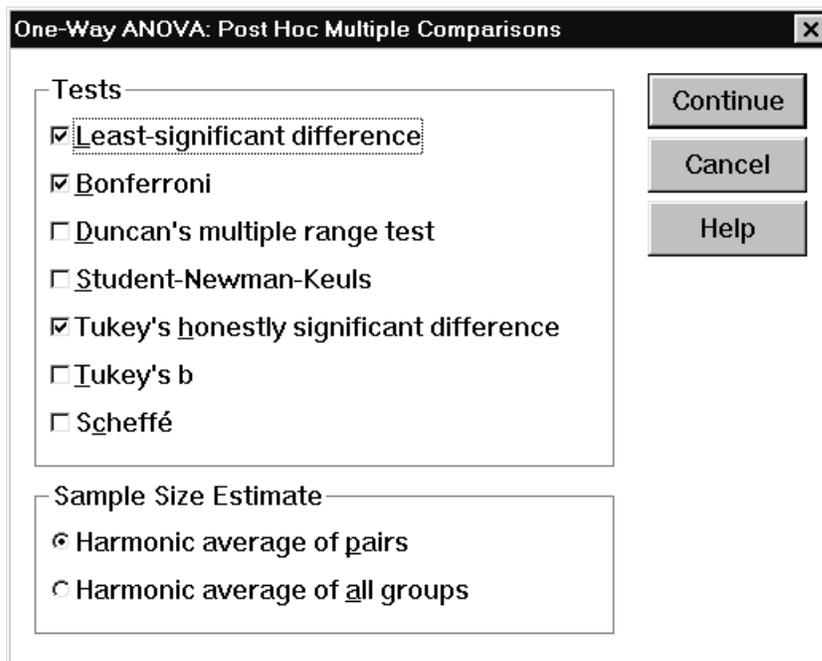


Click on the *Define Range* button to open the One-Way ANOVA: *Define Range* dialog box.



The range of values for the *treatmt* is 1 to 6. Enter the value 1 in the *Minimum* box, and 3 in the *Maximum* box. Click on *Continue* to close the dialog box. In order to obtain the descriptive statistics for each treatment group, click on the *Descriptives* option of the *Statistics* box.

Click on *Post Hoc...* tab in the One-Way ANOVA dialog box to obtain the *Post Hoc Multiple Comparisons* dialog box.



Check the appropriate boxes to select the multiple comparisons procedures. The outputs are displayed and discussed in Section 7 (F-test) and Section 9 (Multiple Comparisons).