## Chapter 11: Comparing several means

## Self-test answers



SELF-TEST To illustrate exactly what is going on I have created a file called **dummy.sav**. This file contains the Viagra data but with two additional variables (**dummy1** and **dummy2**) that specify to which group a data point belongs (as in Table 10.2). Access this file and run multiple regression analysis using **libido** as the outcome and **dummy1** and **dummy2** as the predictors. If you're stuck on how to run the regression then read Chapter 8 again.

The dialog box for the regression should look like this:

Linear Regression		23
Libido [libido] Dummy Variable 1 [ Dummy Variable 2 [	Dependent: Dose of Viagra [dose] Block 1 of 1 Previous Independent(s): Dummy Variable 1 [dummy1] Dummy Variable 2 [dummy2] Method: Enter Selection Variable: Case Labels: WLS Weight: Paste Reset Cancel Help	Statistics Plots Save Options Bootstrap



SELF-TEST To illustrate these principles, I have created a file called Contrast.sav in which the Viagra data are coded using the contrast coding scheme used in this section. Run multiple regression analyses on these data using libido as the outcome and using dummy1 and dummy2 as the predictor variables (leave all default options).

Your completed regression dialog box should look like this:

Linear Regression		X
Dose of Viagra [dose] Dummy Variable 1 [ Dummy Variable 2 [	Dependent: Libido [libido] Block 1 of 1 Previous Independent(s): Dummy Variable 1 [dummy1] Dummy Variable 2 [dummy2] Method: Enter Selection Variable: Rule Selection Variable: Rule Paste Reset Cancel Help	Statistics Plots Save Options Bootstrap



SELF-TEST Produce a line chart with error bars for the Viagra data.

Your complete Chart Builder should look like this:

