

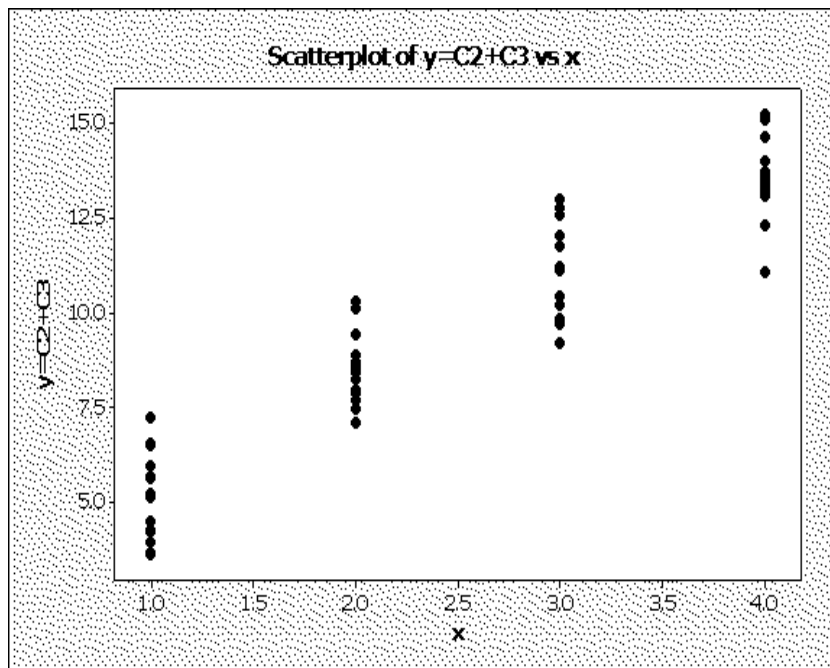
INSTRUCTIONS FORTHREE-DIMENSIONAL MODEL SIMILAR TO FIGURE 27.3

This works best if printed on card stock and cut out with a razor knife, but using ordinary printer paper and small, sharp, pointed scissors will work adequately.

Instructions:

- Print out the template.
- Cut out the outline (but *not* the base) of each histogram (so each histogram will still be attached by its base).
- Fold along the base of each histogram to make each histogram perpendicular to the paper.

Comments on data generation for the model: The data were generated from a model with mean line $\mu_x = 3x + 2$ and error terms from a standard normal distribution. Fifteen points were generated for each value of $x = 1, 2, 3, 4$. A scatterplot of the data generated is shown below. (In the graph title, C2 is the mean values $3x+2$, and C3 is the error values. Note that the labels on the x-axis are 1.0, 1.5, etc., *not* 10, 15, etc.)



To think about: The connection between the scatterplot and the 3-D model.