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:
   a. Print out the template.
   b. Cut out the outline (but not the base) of each histogram (so each histogram will still be attached by its base).
   c. 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.