

### Extension to Buttoned Shirts

Using Tinkerplots, design a model of buttoned shirt manufacture. Assume that the probability of an extra button is  $1/5$ , the probability of one less button is  $1/5$ , and the probability of meeting the target of 7 buttons on each shirt is  $3/5$ .

See ButtonedShirts.tp

Teaching Note. The file's output has dot plots of the outcomes of two models of the shirt manufacturing process. The error device contents in each model are hidden. First ask students which model seems to be better and why. Then ask students to guess at the contents of each error device.