

Bayesian Statistics, Assignment for Friday, Sept. 6

From *Statistical Treatment of Experimental Data*

Study pp. 39-57.

For Problem Set 3

Turn to pp. 86-88 of Young's *Statistical Treatment of Experimental Data*.

1. Do Problem 4 on p. 86. This and the next two problems are called “random walks,” and they are actually extremely important warmups for much more important problems in Brownian motion and gaseous diffusion.
2. Do Problem 5 on p. 87.
3. Do Problem 6 on p. 87.
4. Do Problem 10, parts (a) and (b) only, on p. 87. This and the next problem are practice with histograms, means, and variances, which are all three central to the subject of descriptive statistics.
5. Do Problem 11 on p. 88. Begin by making a histogram, even though Young didn't ask you to.