Lecture 29, class activity. Intro to Discrete Probability.

1. Consider the case of flipping two coins, each of which can be H or T. Write out the sample space of all possibilities. Assuming that all samples are equally likely, compute the probability of k heads, for $k = 0, 1, 2$.

2. Same but three coins, and $k = 0, 1, 2, 3$.

3. Same but four coins, and $k = 0, 1, 2, 3, 4$.