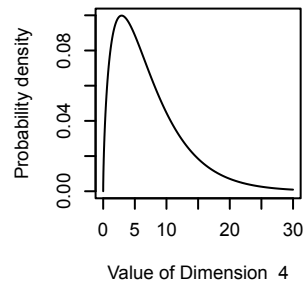
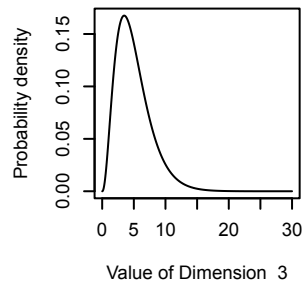
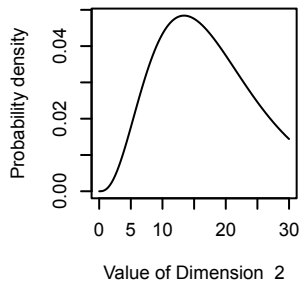
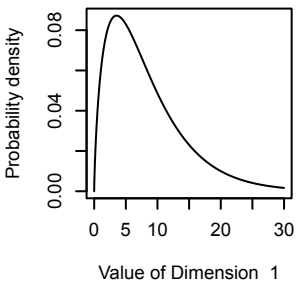
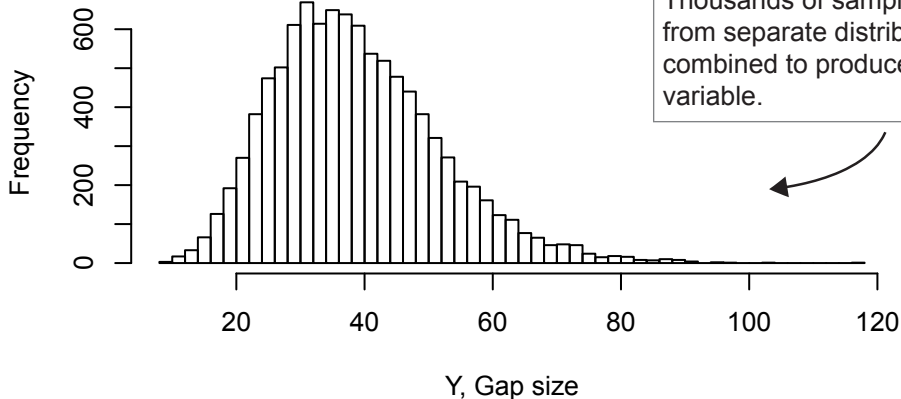


An Example of Monte Carlo Estimation



The relative frequencies of the values calculated reflects the random variable's underlying probability distribution.

Histogram of $Y = \sum_i \text{Dimension}_i$



Thousands of samples are generated from separate distributions, then are combined to produce a new random variable.