Monte Carlo comes from the name of a city in Monaco known for casinos or gambling. Monte Carlo is used as a symbol for randomness since it is a simulation that evolves randomly. We need random samples for studies or estimate various ratio proportions. This can be helpful in estimating heights of people in a country, area of buildings etc. based on the ratio with respect to other things around them. Random samples are necessary to perform this type of study to ensure unbiased results, hence we consider a high number of random samples. Selecting a group of samples that is representative of the whole population randomly, helps estimate the results for a larger number of population. As we can imagine, the more the number of samples, the higher the precision in our ratio or proportion results.