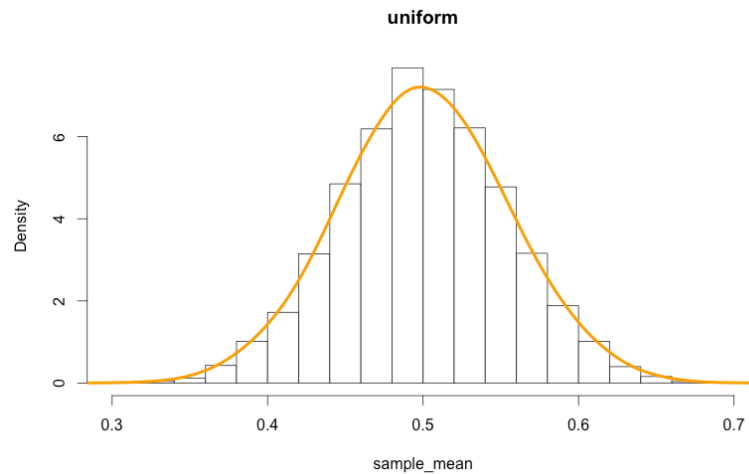


Uniform Distribution:

Parameters:

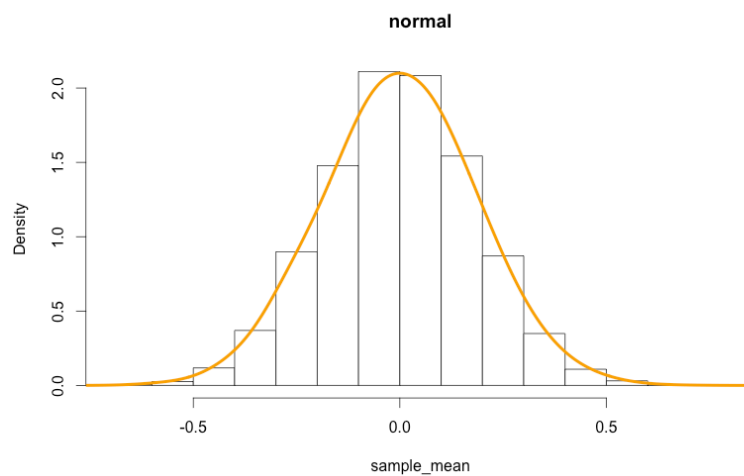
- Range: 0 to 1
- Population size (N): 1000
- Sample size (n): 31



Normal Distribution:

Parameters:

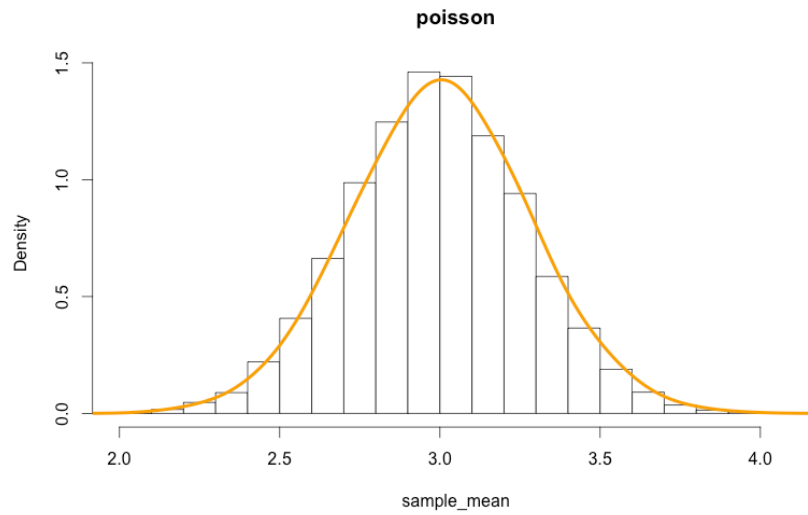
- mean: 0, variance = 1
- Population size (N): 1000
- Sample size (n): 31



Poisson Distribution:

Parameters:

- $\lambda = 3$
- Population size (N): 10000
- Sample size (n): 101



Binomial Distribution:

Parameters:

- $P = 0.33$
- Population size (N): 10000
- Sample size (n): 101

