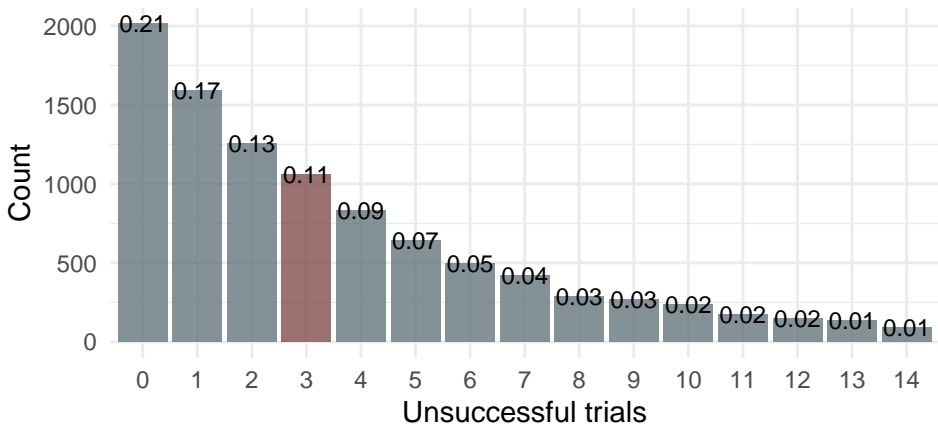


# Distribution of trials prior to first success

$$P(X = 3) \mid X \sim G(.2) = 0.1024$$



simulation of  $n = 10,000$  samples from geometric dist.