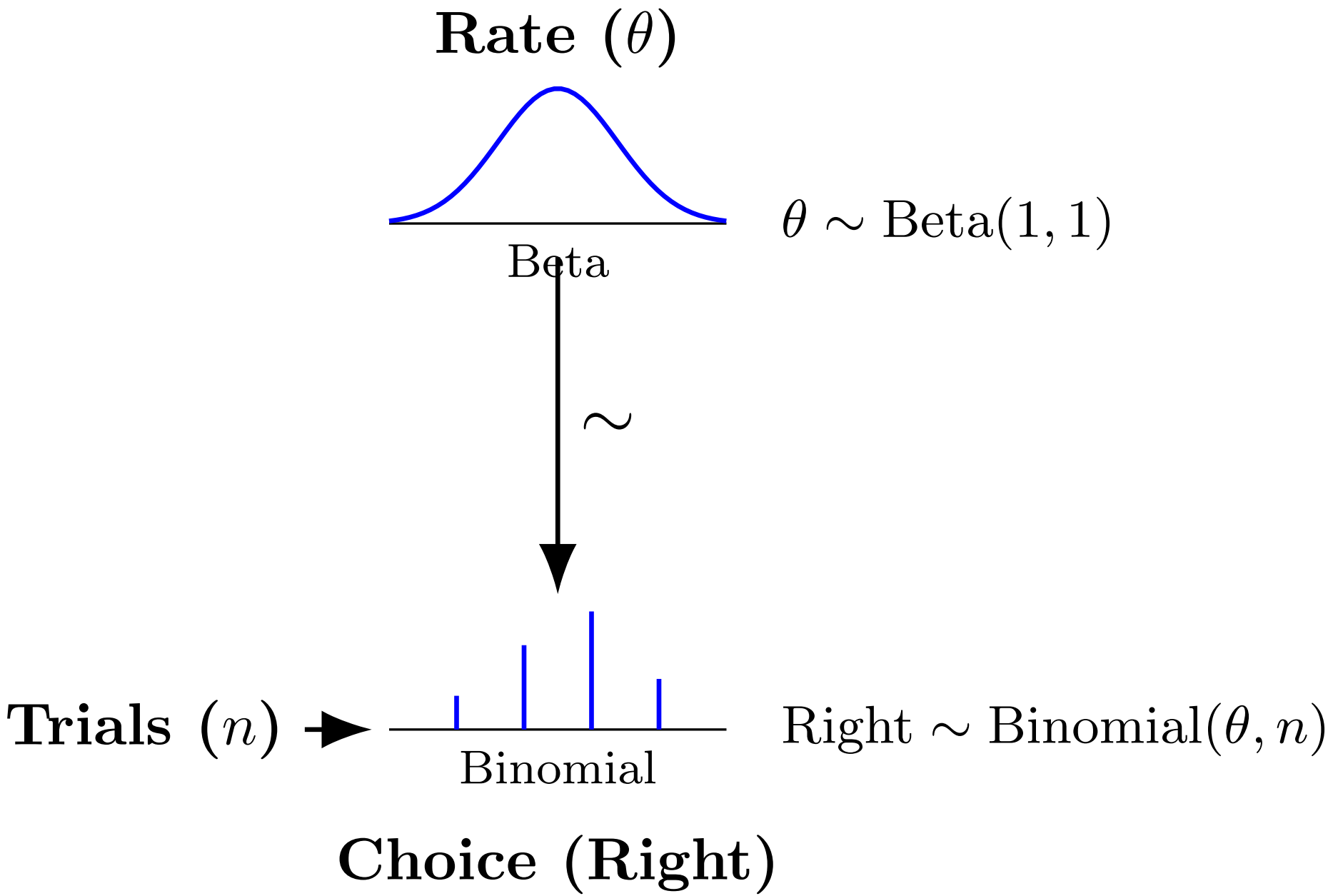
Rate (θ)
$\theta \sim \text{Beta}(1, 1)$
Beta
$\sim$
Trials (n)
Right $\sim$ Binomial(θ, n)
Binomial
Choice (Right)