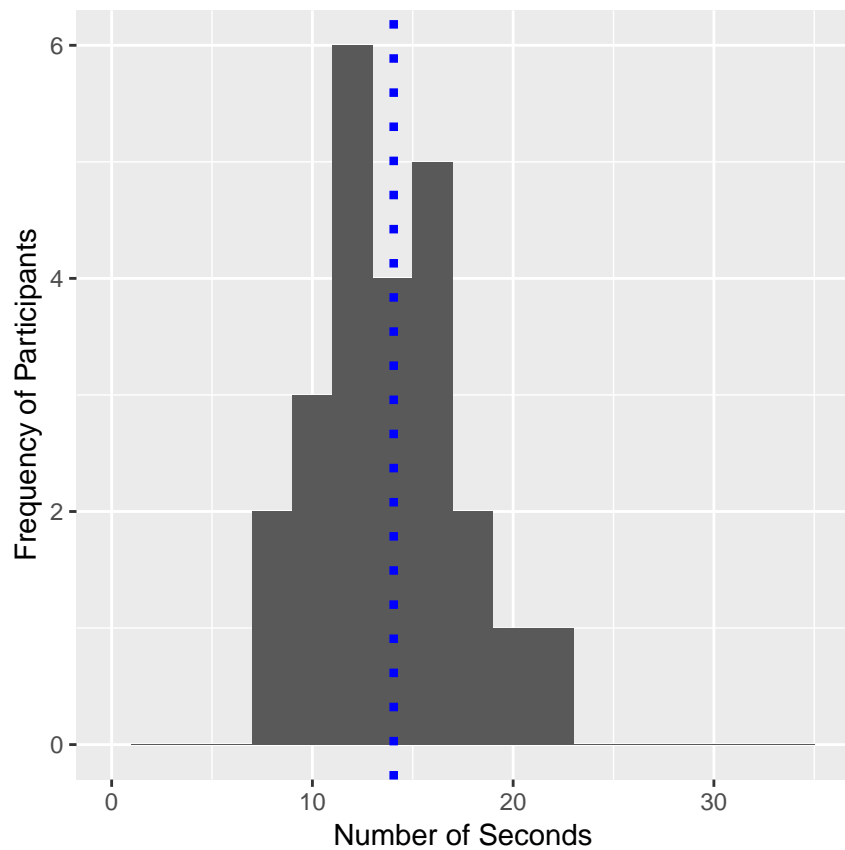Congruent vs Incongruent Distributions