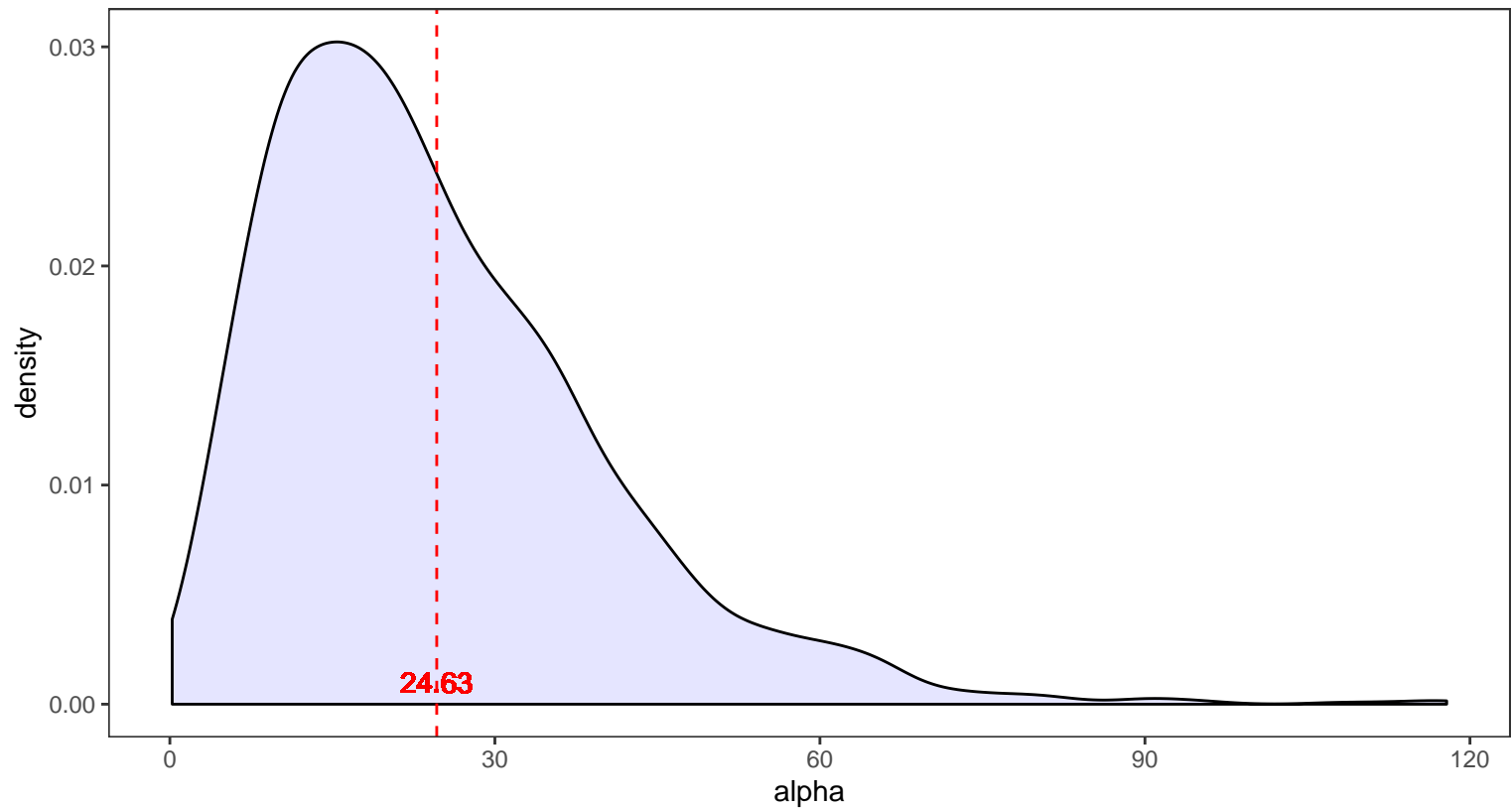**Prior distribution of the precision parameter – Gamma(2.5, 0.1)**

Chosen based on the center between 1 and N with a large variance

24.63

mean = 24.63, variance = 241.65