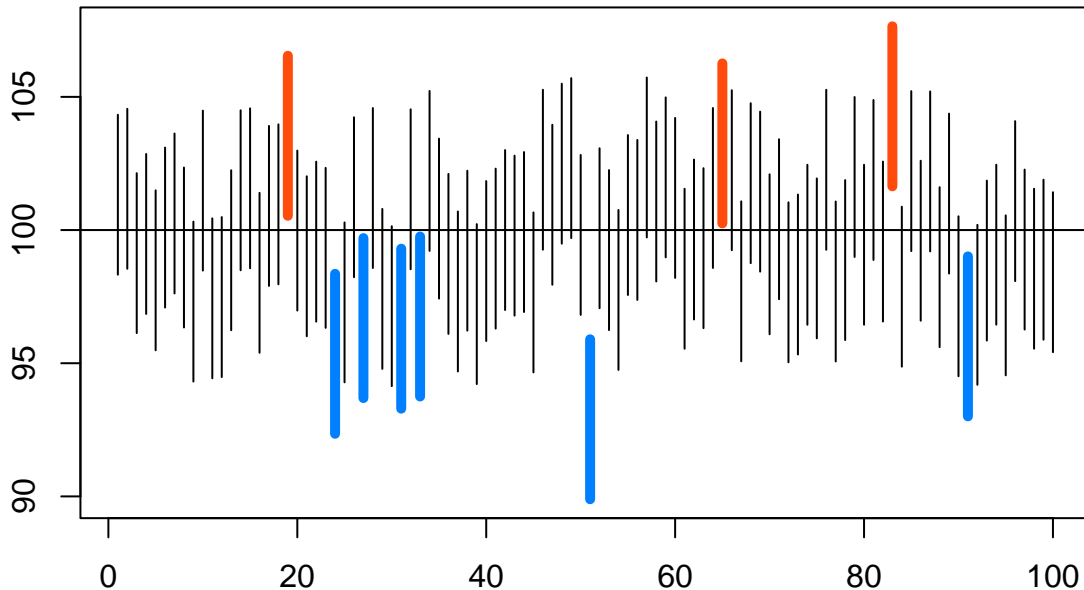100 random 90% confidence intervals where $\mu = 100$

Note: 9% of the random confidence intervals do not contain $\mu = 100$