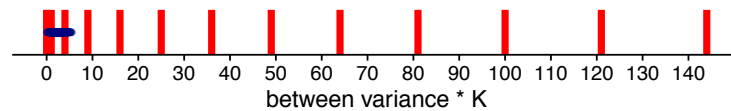


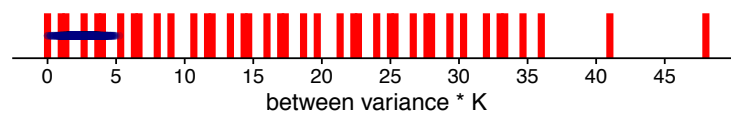
PART II

The figures below show the options for the between variance * K (red vertical lines) for respectively 24 and 48 items and varying sizes K , compared to the simulated error variances of the 1,000 examinees (blue dots). Generally, when either K is small or the number of items within K is small, there are the fewest options for the between variance. It is therefore advisable to balance the number of items and K .

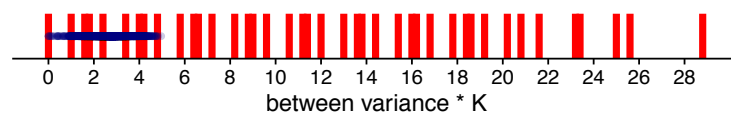
24 items



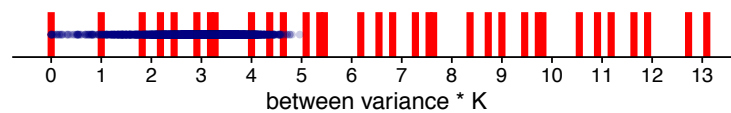
$K = 2$



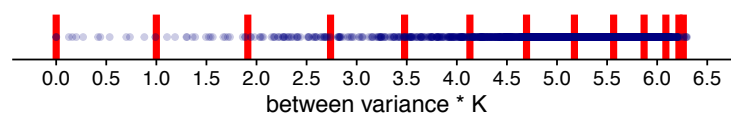
$K = 4$



$K = 6$

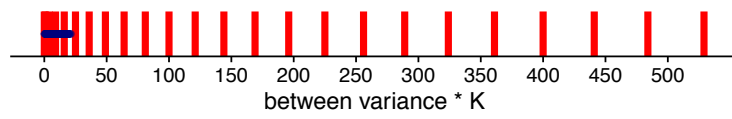


$K = 12$

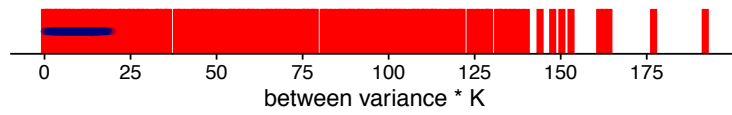


$K = 24$

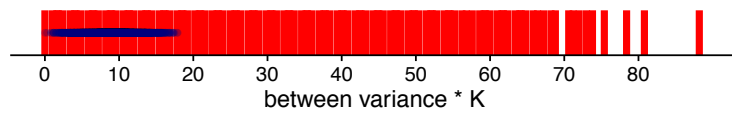
48 items



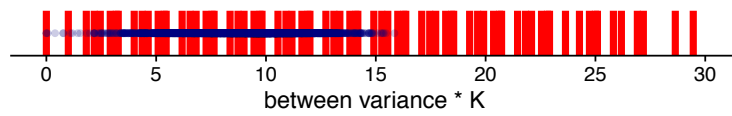
$K = 2$



$K = 4$



$K = 6$



$K = 12$

