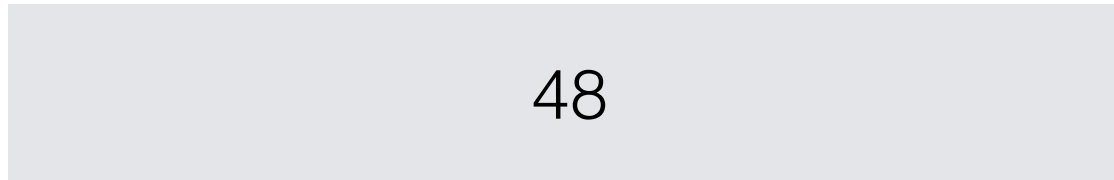


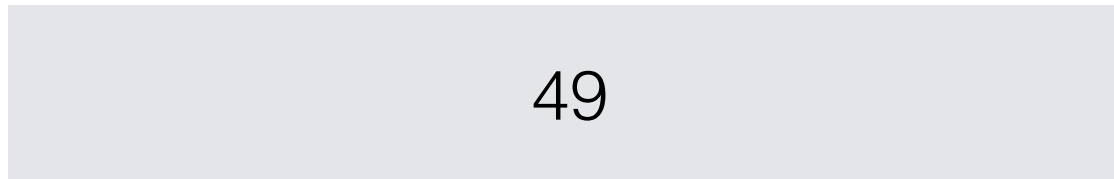
Comparing populations

Frequency

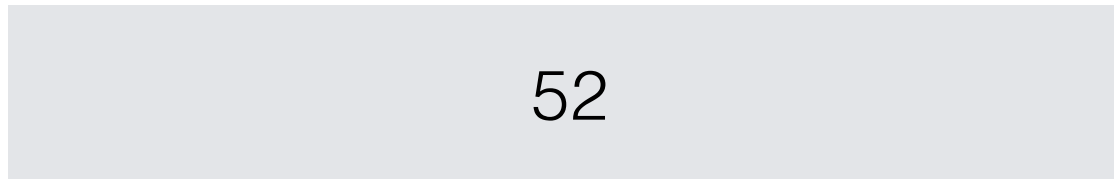
45



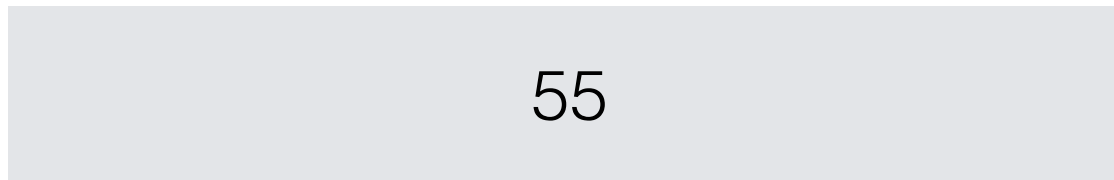
49



51



53



57

$$\sigma^2 = N \pi (1 - \pi)$$

$$= 100 (0.5) (1 - 0.5)$$

$$= 25$$

probability of a sample mean being 51 or greater

Specify Parameters:

Mean

SD

☒ Above

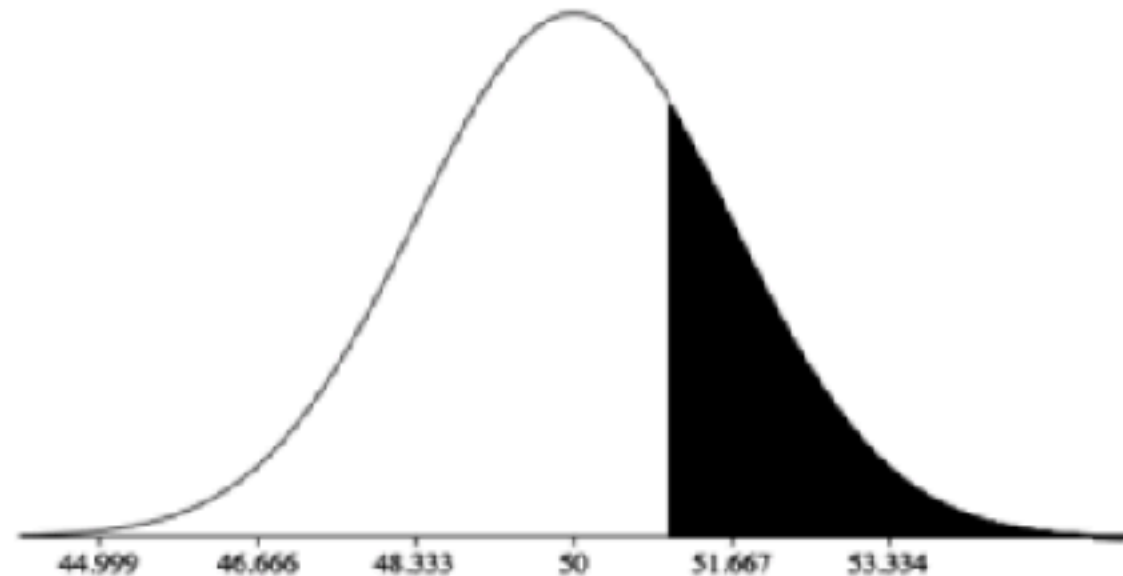
☐ Below

☐ Between and

☐ Outside and

Results:

Area (probability)



☒ Area from a value (Use to compute p from Z)

☐ Value from an area (Use to compute Z for confidence intervals)

Probability of a sample mean being less than or equal to 49 or greater than or equal to 51

Specify Parameters:

Mean

SD

☐ Above

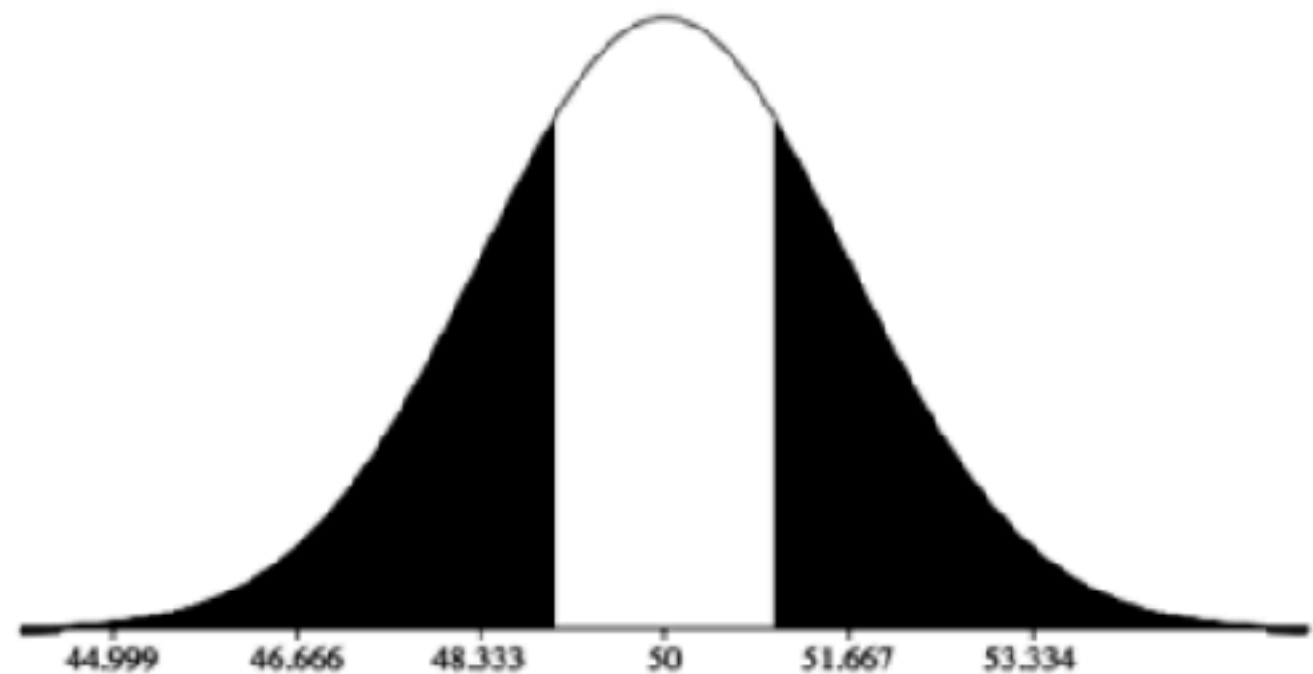
☐ Below

☐ Between and

☒ Outside and

Results:

Area (probability)



$$Z = \frac{M - \mu}{\sigma_M}$$

Calculation using the standardized normal distribution

Specify Parameters:

Mean

SD

☒ Above

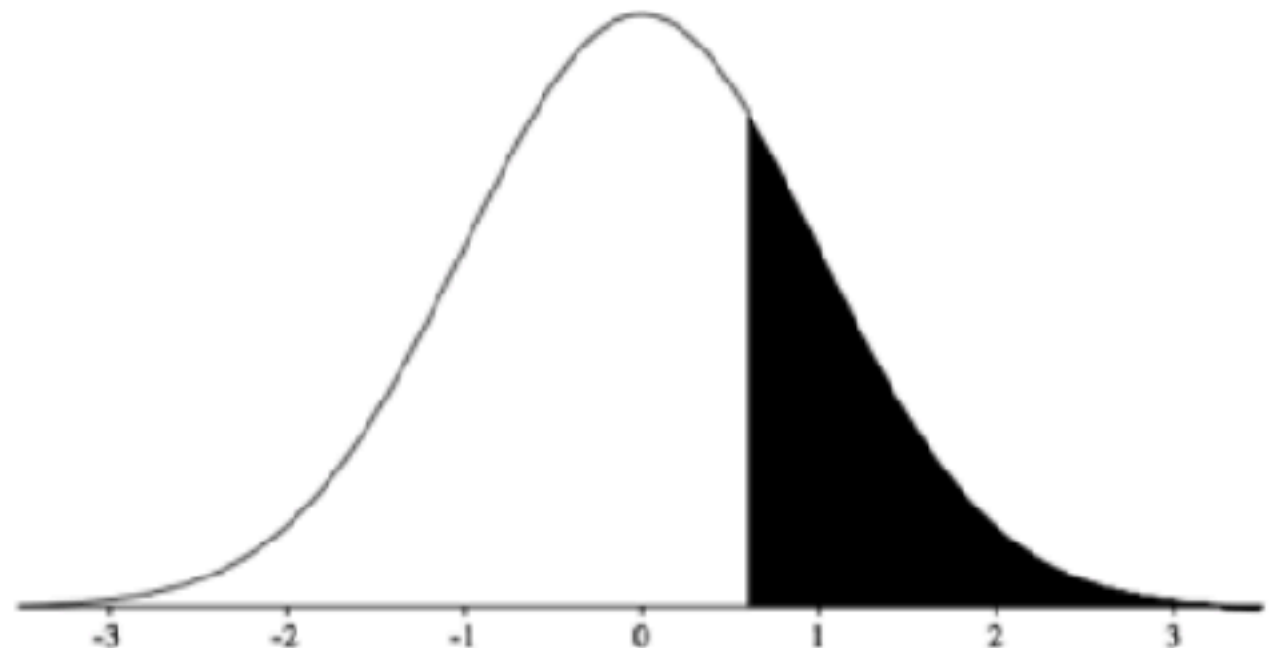
☐ Below

☐ Between and

☐ Outside and

Results:

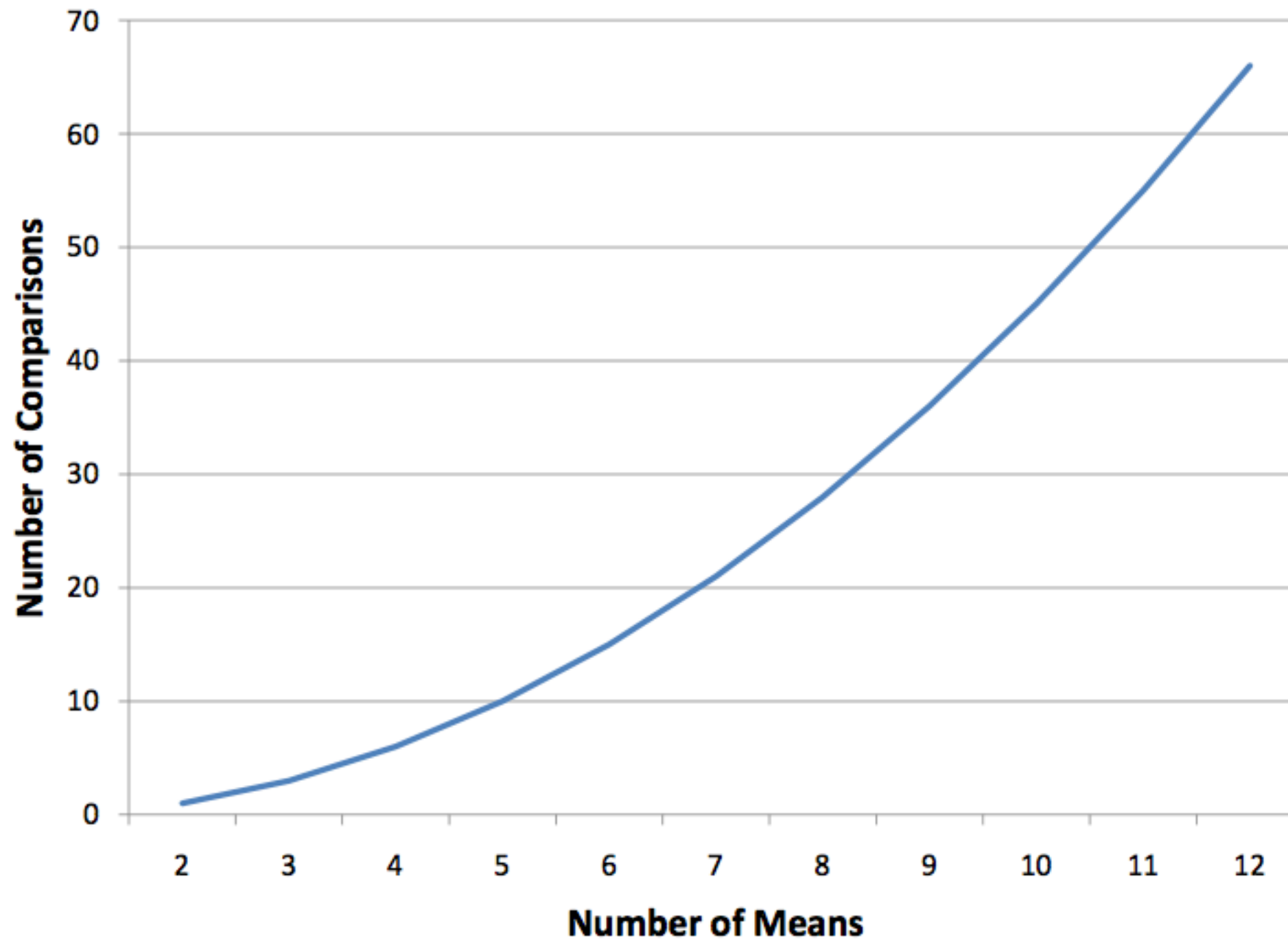
Area (probability)



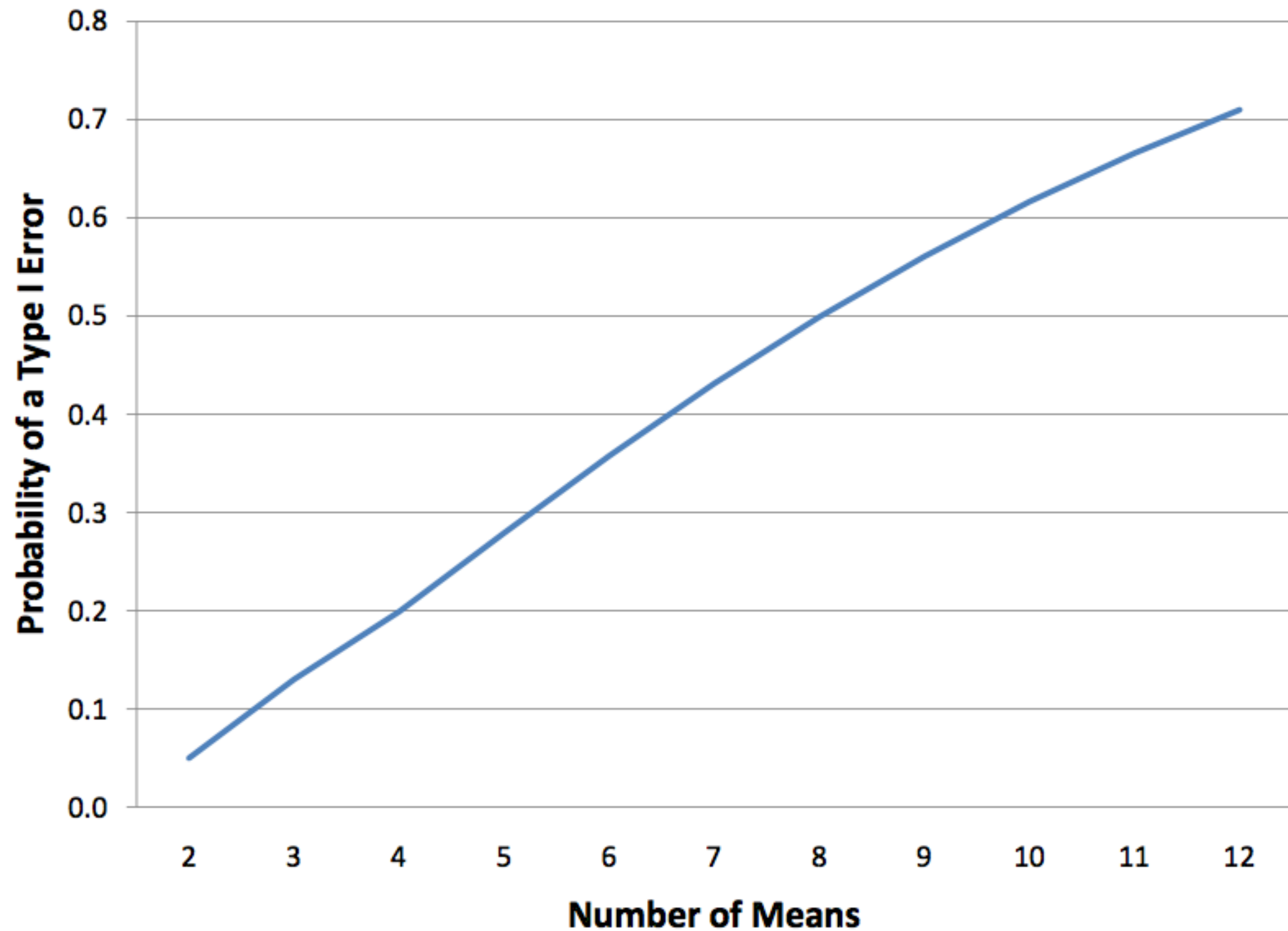
☒ Area from a value (Use to compute p from Z)

☐ Value from an area (Use to compute Z for confidence intervals)

Pairwise Comparisons Among Means



Pairwise Comparisons Among Means



Specific comparisons

Multiple comparisons

$$FW \leq c\alpha$$

- Thanks for your attention