

[1] -- Tuesday, June 09, 2020 -- 15:34:54

t tests - Means: Difference between two independent means (two groups)

Analysis: A priori: Compute required sample size
Input: Tail(s) = Two
Effect size d = 0.5
 α err prob = 0.05
Power (1- β err prob) = 0.8
Allocation ratio N2/N1 = 1
Output: Noncentrality parameter δ = 2.8284271
Critical t = 1.9789706
Df = 126
Sample size group 1 = 64
Sample size group 2 = 64
Total sample size = 128
Actual power = 0.8014596

[2] -- Tuesday, June 09, 2020 -- 15:35:04

t tests - Means: Difference between two independent means (two groups)

Analysis: A priori: Compute required sample size
Input: Tail(s) = Two
Effect size d = 0.5
 α err prob = 0.05
Power (1- β err prob) = 0.6
Allocation ratio N2/N1 = 1
Output: Noncentrality parameter δ = 2.2638463
Critical t = 1.9900634
Df = 80
Sample size group 1 = 41
Sample size group 2 = 41
Total sample size = 82
Actual power = 0.6089876

[3] -- Tuesday, June 09, 2020 -- 15:35:28

t tests - Means: Difference between two independent means (two groups)

Analysis: A priori: Compute required sample size
Input: Tail(s) = Two
Effect size d = 0.6
 α err prob = 0.05
Power (1- β err prob) = 0.6
Allocation ratio N2/N1 = 1
Output: Noncentrality parameter δ = 2.2847319
Critical t = 2.0032407
Df = 56
Sample size group 1 = 29
Sample size group 2 = 29
Total sample size = 58
Actual power = 0.6123681