

[7] -- Saturday, January 18, 2020 -- 06:21:02

F tests - ANOVA: Fixed effects, special, main effects and interactions

Analysis: A priori: Compute required sample size

Input: Effect size f = 0.2170724

α err prob = 0.05

Power ($1-\beta$ err prob) = 0.95

Numerator df = 1

Number of groups = 4

Output: Noncentrality parameter λ = 13.0994787

Critical F = 3.8756207

Denominator df = 274

Total sample size = 278

Actual power = 0.9501841