**F tests** - ANOVA: Repeated measures, within-between interaction

**Analysis:** A priori: Compute required sample size

**Input:** Effect size f = 0.105

α err prob = 0.05

Power (1-β err prob) = 0.9

Number of groups = 2

Number of measurements = 4

Corr among rep measures = 0.5

Nonsphericity correction ε = 1

**Output:** Noncentrality parameter λ = 14.2884000

Critical F = 2.6234807

Numerator df = 3.0000000

Denominator df = 480

Total sample size = 162

Actual power = 0.9000219