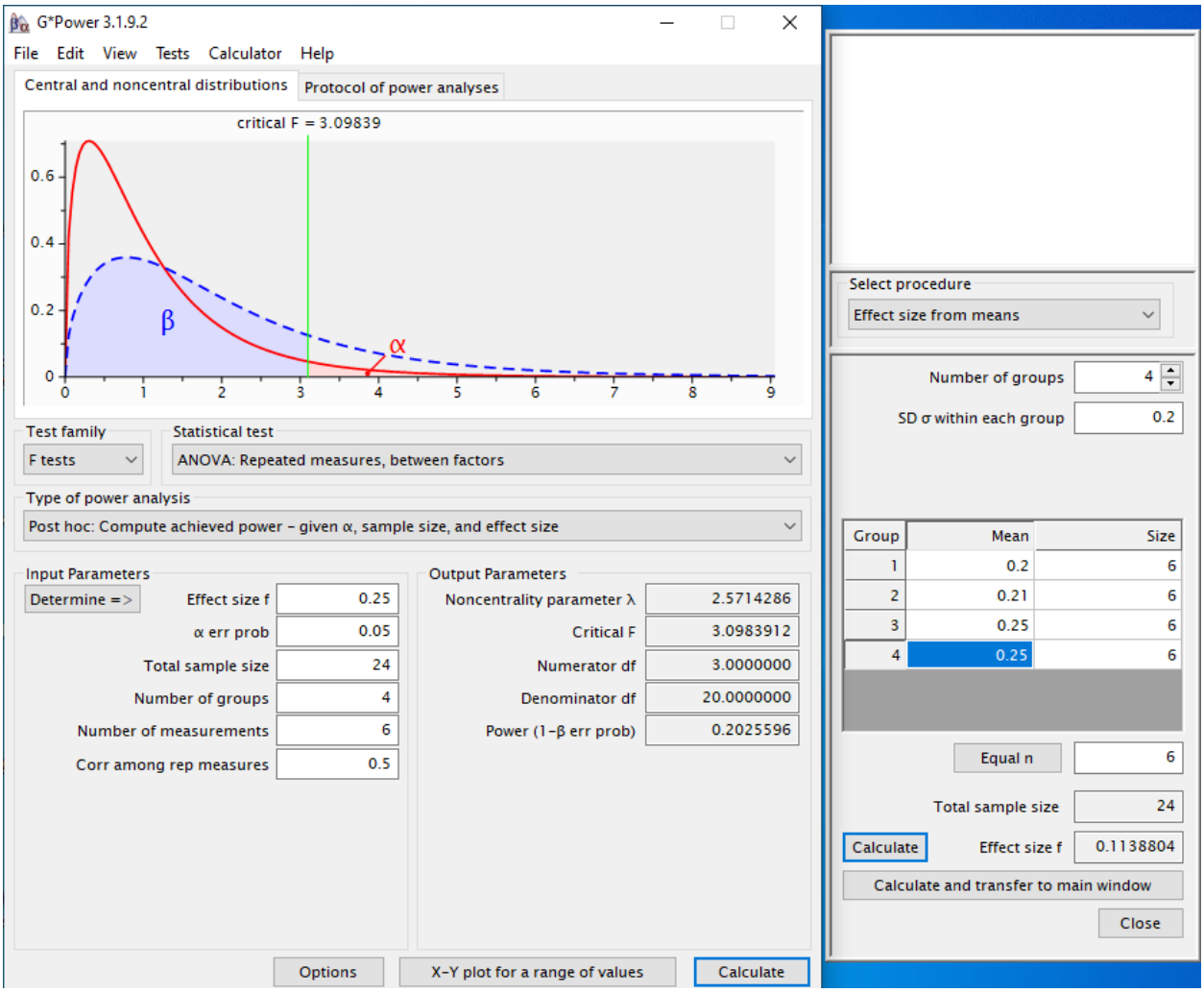
G*Power 3.1.9.2
File Edit View Tests Calculator Help
Central and noncentral distributions
Protocol of power analyses
critical F = 3.09839
β
α
Test family
F tests
Statistical test
ANOVA: Repeated measures, between factors
Type of power analysis
Post hoc: Compute achieved power – given α, sample size, and effect size
Input Parameters
Determine =>
Effect size f 0.25
α err prob 0.05
Total sample size 24
Number of groups 4
Number of measurements 6
Corr among rep measures 0.5
Output Parameters
Noncentrality parameter λ 2.5714286
Critical F 3.0983912
Numerator df 3.0000000
Denominator df 20.0000000
Power (1-β err prob) 0.2025596
Options
X-Y plot for a range of values
Calculate
Select procedure
Effect size from means
Number of groups 4
SD σ within each group 0.2
Group Mean Size
1 0.2 6
2 0.21 6
3 0.25 6
4 0.25 6
Equal n 6
Total sample size 24
Calculate
Effect size f 0.1138804
Calculate and transfer to main window
Close