

Worksheet 3: Power Summary

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Worksheet 3: Summarizing the Power Analysis

Prompt: You are writing a grant application for the proposed study. The grant application requires you to justify the number of participants you plan to enroll in the study. Please summarize the power calculation for the Memory of Pain Trial. The summary should include all of the important elements listed below. Your summary must fit within the blank box provided.

Type I error:	0.01	Mean:	-1.2
Desired power:	0.90	Standard Deviation:	0.98
Hypothesis:	Difference in memory of pain between intervention groups over time	Correlation 6 months:	0.5
Test statistic:	Hotelling-Lawley Trace	Correlation 12 months:	0.4
Analysis method:	Repeated measures ANOVA	Sample size:	44

