

Re: RM ANOVA and other methods

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On Mar 13, 4:30 am, greg <jsg...@xxxxxxxxxxxxx> wrote:

I have a study design question I was having trouble with.
I have 2 groups (placebo & case) and 3 timepoints.
I could use 1 2-way Repeated Measures ANOVA to analyse the data, but the timepoints would (surely) simply be treated as 3 groups, rather than 3 ordinal points.
Is there a method that will do this for me?
(And if there isn't, how would I interpret a result that went up and then back down again when I'm expecting a dose response?)

Look up (polynomial) trend analysis. The basic concepts are discussed here in the context of one-way (between-Ss) ANOVA, but it can also be used for repeated measures factors:

http://davidmlane.com/hyperstat/intro_ANOVA.html

It sounds like you are expecting a significant quadratic trend.

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"When all else fails, RTFM."
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