

Hint for HW#4

1. Data:

first column: days

second : : factor A.

third : : factor B

fourth : : patient ID.

2. Use Calculator to do transformation $Y' = \log_{10}(Y+1)$

Calc \rightarrow

Function: LOGT

Or: Editor \rightarrow Enable Command Language

Let 'new' = LOGT(days + 1) \downarrow

3. Additive model = assume $(\alpha\beta)\gamma = 0.$, so no interaction

(Note 19.23 is not an additive model)

4. Second Way to get coefficient of correlation between the ordered residuals and their expected values under normality.

Stat \rightarrow Basic Statistics \rightarrow Normality Test \rightarrow

Variable: Residual } \Rightarrow Output R:
Test: Ryan-Joiner

5. Estimated treatment means plot. for two factors.

Stat \rightarrow ANOVA \rightarrow Interactions Plot

Base plots on Fitted means.