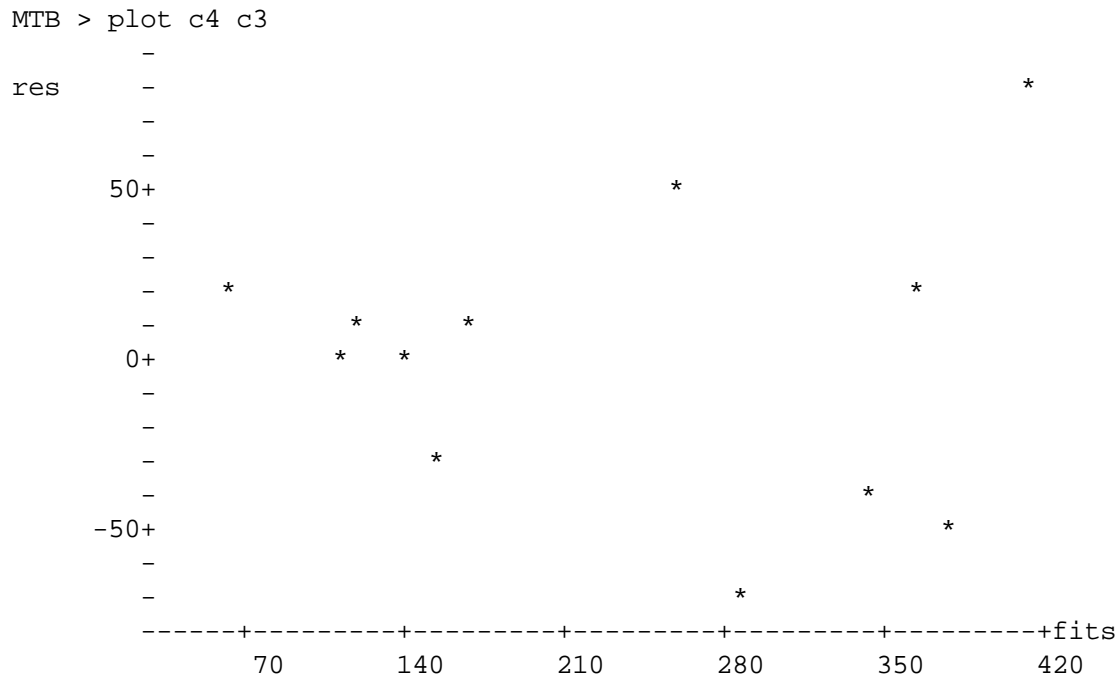


W.W. Daniel (*Biostatistics*. John Wiley, 1995 p 408) gives data for mercury in the blood ($Hg_{\text{blood}} = \text{ng/g}$) and mercury intake ($Hg_{\text{intake}} = \text{g Hg /day}$) from fish in 12 people.

1. Using the symbols provided, write a general linear model for the relation of mercury in the blood to mercury intake.

2. Here is a plot of residuals versus fitted values for this regression. Comment on whether a linear model is appropriate for this data.



3. Complete the ANOVA table

SOURCE	DF	SS	MS	F
Hg_{intake}	_____	_____	_____	_____
Error	_____	21500	_____	
Total	11	183892		