

Table built during lecture 5 (but using group-mean-centering instead of person-mean-centering)

Level 2		Level 1		
$\overline{\text{Mood}}_i$	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$	Mood_{ti}	<u>Person-Mean-Centering:</u> $\text{WPmood}_{ti} = \text{Mood}_{ti} - \overline{\text{Mood}}_i$	<u>Grand-Mean-Centering:</u> $\text{Mood2}_{ti} = \text{Mood}_{ti} - 2$
2	0	1	-1	-1
2	0	3	1	1
4	2	3	-1	1
4	2	5	1	3

Model Terms	Person-Mean-Centering	Grand-Mean-Centering
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Variable Definition

Level-2 Predictor	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$
Level-1 Predictor	$\text{WPmood}_{ti} = \text{Mood}_{ti} - \overline{\text{Mood}}_i$	$\text{Mood2}_{ti} = \text{Mood}_{ti} - 2$

Model Specification

<i>Level-2 predictor only:</i>	between	between
Level-2 interpretation?	_____	_____
<i>Level-1 predictor only:</i>	within	smushed
Level-1 interpretation?	_____	_____
Assumption about effect of the level-2 predictor that is not included?	between = 0	Between = within
	_____	_____
<i>Level-1 and level-2 predictors both included together:</i>		
Level-2 interpretation?	_____ between _____	_____ contextual _____
Level-1 interpretation?	_____ within _____	_____ within _____

Interpretation answer choices: within effect, between effect, contextual effect, smushed effect