

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

Level 2		Level 1	
$\overline{\text{Mood}}_i$	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$	<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
2	0	3	1
4	2	3	1
4	2	5	3

Model Terms	Person-Mean-Centering	Grand-Mean-Centering
<u>Variable Definition</u>		
Level-2 Predictor	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$	$\text{PMmood2}_i = \overline{\text{Mood}}_i - 2$
Level-1 Predictor	$\text{WPmood}_{ti} = \text{Mood}_{ti} - \overline{\text{Mood}}_i$	$\text{Mood2}_{ti} = \text{Mood}_{ti} - 2$
<u>Model Specification</u>		
<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