

Fixed effects: mathach ~ ses * cvar(ses, school)

	Value	Std.Error	DF	t-value	p-value
(Intercept)	12.681917	0.3054760	1935	41.51526	0.0000
ses	2.243374	0.2416545	1935	9.28339	0.0000
cvar(ses, school)	3.687892	0.7699000	38	4.79009	0.0000
ses:cvar(ses, school)	0.873953	0.5771829	1935	1.51417	0.1301

Sketch the estimated response function as a function of individual ses for a school with mean ses of 0 and for a school with a mean ses of 1. Assume that the range of ses goes from -2 to 2.

Show clearly where each of the linear regression coefficients estimated in the model (12.68, 2.24, 3.69, 0.87) is reflected on the graph.

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(Intercept)   12.681917 0.3054760 1935 41.51526  0.0000
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```

Sketch the estimated response function as a function of individual ses for a school with mean ses of 0 and for a school with a mean ses of 1. Assume that the range of ses goes from -2 to 2.

What are estimates of the following:

- i. Within school effect of ses?
- ii. Between school effect of ses?
- iii. Contextual effect of ses?