



statstutor community project

encouraging academics to share statistics support resources

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stcp-marshallowen-3b

Careful with the Maths Video Transcript

00:00 to 00:07 Title screen is displayed

00:07 Video begins:

Tutor: “Hi here, I think you’re next, is its stats help you’d like?”

Student: “Erm, yes I was hoping to get some help with carrying out a Multiple Regression Analysis?”

Tutor: “Oh, lovely, yeah, Multiple Regression Analysis, Okay!”
(*Tutor moves over to flip chart*). Right, well to do a Multiple Regression Analysis, it can be written like this (*Tutor writes on flip chart*) $X\text{-transpose } Y \text{ is equal to } X\text{-transpose } X \text{ times beta}$ (*student looks baffled!*) and if we re-arrange that we can get $X\text{-transpose } X \text{ inverse times } X\text{-transpose } Y \text{ is equal to beta}$. And that’s how you get your parameter estimates beta. Equations are great aren’t they?”

00:45 Sad trombone sound and screen displays important comment to be careful with the maths!

Video ends



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