

## Questions on Videos

Q1: In your first 3 way ANOVA video (L2110) at minute 6:13 you indicate that the profiles are similar. In the Review video R 206 at minute 22:40, the instructor indicates that that the profiles are different... both with the same data/info.

Hello Dr. Oshima- can you provide clarification about the interaction plots for this example give in the 3 way anova class? In your video you indicate that these profiles are similar and thus do not have interaction, but in the review video, the instructor used the same example and stated that the plots are different and thus there is an interaction effect. I am confused!



A1: Keith said it does look different, and I said it does look similar. So just by look, you cannot determine significance. Here, if I recall, the three way interaction was not statistically significant. But the same graph can result in significant interaction if N is large. Hope this makes sense. Dr. O

Q2: R205, Class 5 review, at 39:21.

The video says the graph suggests both main effects.

A2: It is an error. Given the graph, it appears there are no main effects, but possibly an interaction effect.

