Lesson 15:
Multiple Linear Regression

SEARCH

RESOURCES

CONCEPTS

15. Video: Potential Problems
16. [Optional] Text: Linear Model ...
17. Screencast: Multicollinearity & ...
18. Video: Multicollinearity & VIFs
19. Notebook + Quiz: Multicollinea...
20. Video: Higher Order Terms
21. Text: Higher Order Terms
22. Screencast: How to Add Highe...
23. Video: Interpreting Interactions
24. Text: Interpreting Interactions
25. Notebook + Quiz: Interpreting ...
26. Video: Recap

Mentor Help
Ask a mentor on our Q&A platform

Peer Chat 2
Chat with peers and alumni

Video: Multiple Linear Regression Model Results

Note: at 0:33 the unit in the video should be ft^2 not ft^3

In this video, the coefficients had positive and negative values. Therefore, we c
coefficient as the **predicted increase or decrease in the response for every**
the explanatory variable, holding all other variables in the model consta

However, in general, coefficients might be positive or negative. Therefore, eac
predicted **change** in the response for every one unit increase in the explanato
other variables in the model constant.

This interpretation is very similar to what you saw in the last lesson with the si
phrase **"holding all other variables constant"** meaning only the variable att
changes, while all other variables stay the same.