Multiple Regression



4/9 points earned (44%)

Review Related Lesson (/learn/ml-regression/home/week/2)

You haven't passed yet. You need at least 80% to pass. Review the material and try again! You have 3 attempts every 8 hours.



Which of the following is **NOT** a **linear** regression model. *Hint: remember that a linear*

1/1 points

regression model is always linear in the parameters, but may use non-linear features.



0/1 points Your estimated model for predicting house prices has a large positive weight on 'square feet living'. This implies that if we remove the feature 'square feet living' and refit the model, the new predictive performance will be worse than before.



Complete the following: Your estimated model for predicting house prices has a positive weight on 'square feet living'. You then add 'lot size' to the model and re-estimate the feature weights. The new weight on 'square feet living' [_____] be positive.

have no other feature that depends on the doubled feature i.e. no interaction terms).

0/1 points

> If you double the value of a given feature (i.e. a specific column of the feature matrix), what happens to the least-squares estimated coefficients for every **other** feature? (assume you

0/1 points



