## STUDYDADDY

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## Curve-fitting Project - Linear Model (due at the end of Week 5)

## Instructions


 described below

A Linear Model Example and Technology Tips are provided in separate documents

## Tasks for Linear Regression Model (LR

 as well as in your completed project. Include a brief informative description in the title of your posting. Each student must use different data.)

 interested in a particular Olympic sport, and that is fine, but they must collect different data, perhaps from different events or different gender.
 If not, try a different topic or data set.)
(LR-3) Find the line of best fit (regression line) and graph it on the scatterplot. State the equation of the line
(LR-4) State the slope of the line of best fit. Carefully interpret the meaning of the slope in a sentence or two.
 data? Why or why not? Is the linear relationship very strong, moderately strong, weak, or nonexistent?
(LR-6) Choose a value of interest and use the line of best fit to make an estimate or prediction. Show calculation work
 particularly important or interesting.



## Here are some possible topics

 whether the data points exhibit a relatively linear trend. (If so, proceed. If not, try a different event.) After you find the line of best fit, use your line to make a prediction for the next Olympics (2014 for a winter event, 2016 for a summer event )
 proceed. If not, try a different type of food.) After you find the line of best fit, use your line to make a prediction corresponding to a fat amount not occurring in your data set.) Alternative: Look up carbohydrate content and associated calorie total per serving.
 reference.com/

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