Help

L7 PROBLEM 4 (1/1 point)

Recall from the previous video the concept of the coefficient of determination, also known as the R^2 value. This is computed by $1 - \frac{(\text{variability of errors})^2}{(\text{variability of data})^2}$. The variability of the errors is computed by taking the sum of the (observed - predicted) errors. We normalize this variablity by dividing it by the variability of the data, which is sum of (observation - avarage_observation) for each observation.

In this file, this R^2 value is computed by the function `rSquare`.

In that file, revise `fitData` and `fitData3` to report the coefficient of determination for the fitted line in each case. Did this measure of the "goodness of fit" improve when we eliminated the measurements after the spring reached its elastic limit and Hooke's Law no longer applied?

- (•) Yes ✔
- ( ) No

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