Stats Homework 5

Jon Ashbrock

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In this homework assignment the student will be asked to investigate whether males and females use attractiveness more in rating a partner. The SpeedDating frame in Lock5Data contains dating data on pairs of individuals. The columns of interest to us are

1. How attractive the male rates the female

2. How attractive the female rates the male

3. How much the male likes the female

4. How much the female likes the male

Your job is to use the Lock5Data documentation (https://cran.r-project.org/web/packages/Lock5Data/Lock5Data.pdf) to find the correct columns and set up the correct regression models. You should turn in the code as normal. I would also like you to turn in a word (or other word processing) document explaining your findings. This document should contain the two plots with regression lines, the equations and coefficients of determination for the two models, and a short interpretation of what the parameters mean in each case.Think of this document as a report on your findings so it should be organized in a readable manner.