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Quick Question

(3/3 points)

Suppose the coefficients of a logistic regression model with two independent variables are as follows:

$$\beta_0 = -1.5, \quad \beta_1 = 3, \quad \beta_2 = -0.5$$

And we have an observation with the following values for the independent variables:

$$x_1 = 1, \quad x_2 = 5$$

What is the value of the Logit for this observation? Recall that the Logit is log(Odds).

-1 ✔

-1

What is the value of the Odds for this observation? Note that you can compute e^x, for some number x, in your R console by typing exp(x). The function exp() computes the exponential of its argument.

0.3678794 ✔

0.3678794

What is the value of P(y = 1) for this observation?

0.2689414 ✔

0.2689414

You have used 1 of 5 submissions