Microsoft: DAT209x Programming in R for Data Science

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Question 1

(1/1 point)

Using the `father.son` dataset from the `UsingR` package, fit a linear model for the sons's height (sheight) as a function of the father's height (fheight).

What is the value of the alpha coefficient?

- (•) 33.8866 ✔
- ( ) 34.1075
- ( ) 0.5141
- ( ) 0.4889

You have used 2 of 2 submissions

Question 2

(1/1 point)
Using the `father.son` dataset from the `UsingR` package, fit a linear model for the sons's height (sheight) as a function of the father's height (fheight).

What is the value of the beta coefficient?

- 33.8866
- 34.1075
- 0.5141 ✔
- 0.4889

You have used 1 of 2 submissions

Question 3

(1/1 point)
Consider the model formula:

y ~ x + z + w + x:z + x:w + z:w

Which four options below give the same formula?

- [x] y ~ x + z*w + x:z + x:w ✔
- [ ] y ~ x*z*w
- [x] y ~ x + z*w + x:z + x:w ✔
- [x] y ~ x + z + w + z*w + x*z + x*w ✔
- [x] y ~ z*w + x*z + x:w ✔

✔

EXPLANATION