

5 Regression with more than one predictor: Assignment

Instructions

Submit your answers to the 4 first exercises through Aula Global (quiz section). Upload the remaining exercise concerning peer review through Aula Global as well (upload task).

Regression

Consider the linear model `pitch ~ 1 + gender + context`, fit on the data from Franke & Roettger (2019).

```
df <- read_csv("https://tinyurl.com/polite-data") #download data
```

1. What is the estimated effect on `pitch` in a polite context for a female speaker?
2. What is the estimated effect on `pitch` in a impolite context for a male speaker?
3. How many parameters does this model have?
4. Is a male speaker in a polite context predicted to have a higher pitch than a female speaker in an informal context?

Self study

Use your time to work on your final report. Make sure you have all its details worked out by the end of the course.

References

Franke, Michael, and Timo Benjamin Roettger. 2019. "Bayesian Regression Modeling (for Factorial Designs): A Tutorial," July. <https://doi.org/10.31234/osf.io/cdxv3>.