

KATH 4939

Feb. 2, 2022

Quin 3

- Use R Studio
- Load the spida2 package
- Consider the 'hs' dataset
- Carry out a regression at
 - the school level (i.e. 40 schools)
 - to find out whether the homogeneity of SES is related to average MATHACH beyond the part explained by average SES.

Quin 3

Use RStudio

Load the spida2 package

Consider the 'hs' dataset

Carry out a regression

- at the school level (one observation per school)
- to find out whether the homogeneity of schools with respect to SES (as measured by the within-school ~~SD~~ of SES in each school) is related to the average MATHACH in each school beyond the variability in average MATHACH explained by the average SES of each school.

mathach

$$\underline{Y} \sim \underline{X} + \underline{Z}$$