Computer Lab 8: Regression modelling

C91AR: Advanced Statistics using R

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2025-03-12

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1 Setup code

2 Outline for today's session

Using the slides from Monday..

4 AS ALWAYS 2

- develop a regression model for for either the
 - "fathers_son_height.csv"
 - "mother_daughter_height.csv"
- Use the dataset that you did NOT simulate last Thursday
- Use mathematics notation in your report

3 Futher instructions

- See my Markdown doc for Monday's lecture on Github to familiarise yourself with the notation format using \$ wrappers. These are to be written in the regular text sections of your Markdown document.
- Check your model against the results of running the model using lm(DV ~ IV, data = data)
- Once you have created your model, predict a new value for
 - a parent's height based on their child's height
 - a child's height based on their parent's height
- Visualise the data with a regression line to check that your predicted values fall within the model's parameters.

4 As always

- Annotate and comment your report
- Ask for help if you need it
- Take. Your. Time.