

## Assignment 8. Two Independent Samples Test

Work individually. Write down your answers.

This data were obtained in a survey of students math and portuguese language courses in secondary school. Assume that the data is a random sample of secondary school students.

1. Test if there is a difference in number of studied hours (studytime) between male and female students in secondary school. Report the p-value and your conclusion.
2. Test if female students study more hours than male students in secondary school. Report the p-value and your conclusion.
3. Test if the students who have access to Internet at home have a higher final grade than those who do not. Report the p-value and your conclusion.
4. Form two sample hypotheses and test for them. Report the p-value and your conclusion.