

# Assignment 2

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## R Markdown

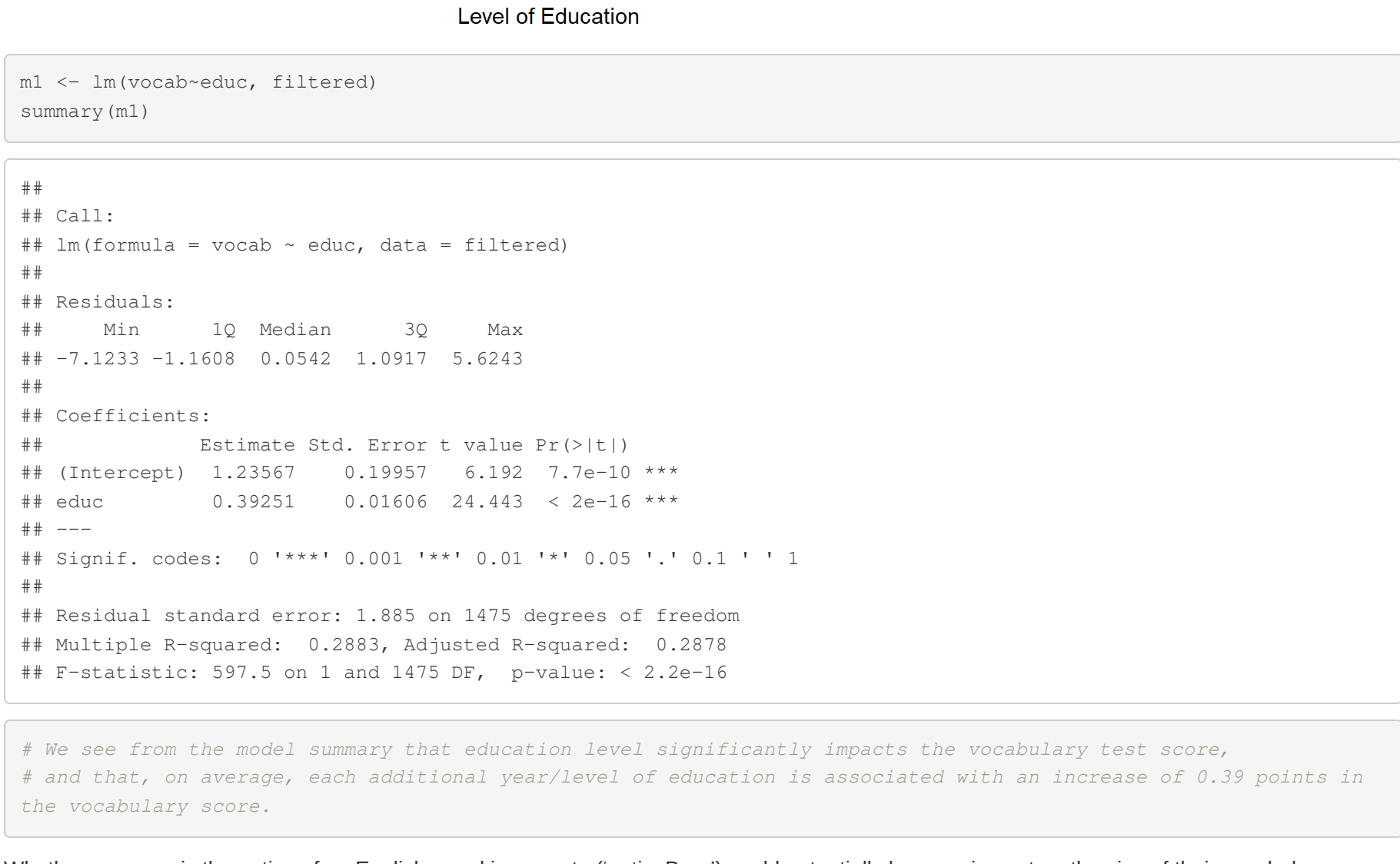
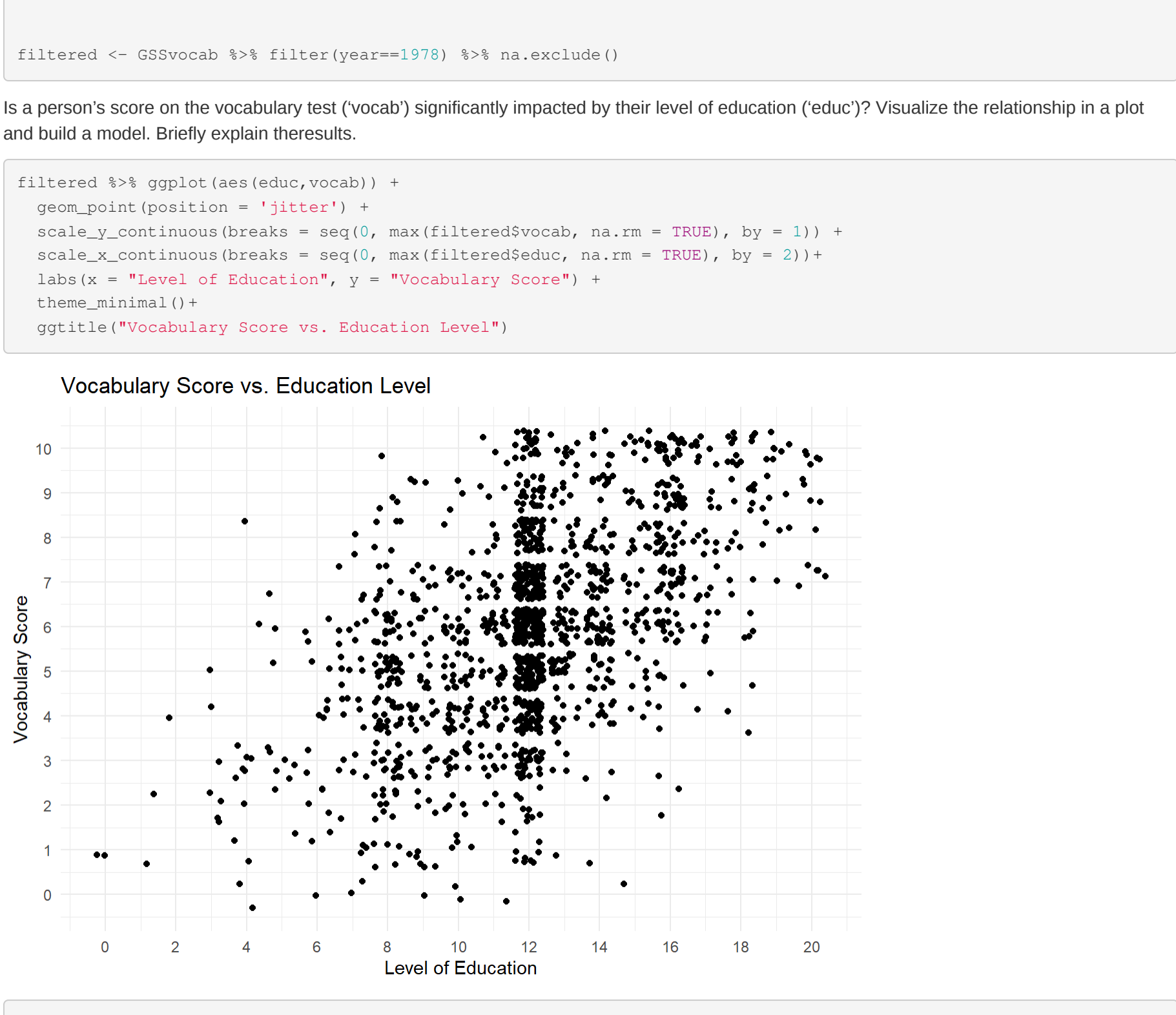
### Part 1

Load the 'divorce\_margarine' dataset from the 'dslabs' package. Investigate the correlation between margarine consumption and divorce rates in Maine. Would an increase in the preference for margarine lead to skyrocketing divorce rates



### Part 2

Load the 'GSSvocab' dataset from the 'car' package. This dataset contains people's scores on an English vocabulary test and includes demographic information. Filter for the year 1978 and remove rows with missing values (the function na.exclude() is one way to do this—check out the documentation!).



Does a person's level of education depend on whether they are a native of the country? Visualize the relationship. Do you think it makes sense to add the relationship as an interaction-term? Try creating the model and briefly explain the results.

