

Exercise Sheet 1

Problem 1. Televisions, physicians, and life expectancy

The aim of this exercise is to produce your first reproducible report using **Sweave** or **knitr**. The scientific question to be answered is whether there is a relation between life expectancy and the number of people per television. The report should at least contain the following

- (a) A short description of the data and the aim of the analysis
- (b) A graphical exploration of the relation between the number of people per television and life expectancy
- (c) A regression model to answer whether the number of people per television set in a country is a useful predictor of that country's life expectancy

The report should contain at least one graphic and possibly one table (generated with R) and be 1 to 2 pages long. The exercise will be considered a great success if we can compile the document without errors. You may use the file `explore_television.R` as inspiration as well as `tele.Rmd` and/or `tele.Rnw`. Please return both the `.Rnw/.Rmd` file and the resulting pdf or html document.