

Lattice exercises – part 1

✘ In the exercises below we will use the lattice package.

First, we have to install this package with `install.packages("lattice")` and then we will call it `library(lattice)`. The Lattice package permits us to create univariate, bivariate and trivariate plots. For this set of exercises we will see univariate and bivariate plots. We will use a dataset example that we have to download from [here](#).

Answers to the exercises are available [here](#).

If you obtained a different (correct) answer than those listed on the solutions page, please feel free to post your answer as a comment on that page.

Exercise 1

Create a barchart of goals done (Variable `gd`, grouping by team).

Exercise 2

Now let's create two datasets (subset dataset by team) and then use the `bwplot` function to plot goals received (Var: `gs`).

Exercise 3

Return to the main dataset and then create a densityplot of goals received, grouping by team.

Exercise 4

Create a histogram of win matches (Var: `Win`), grouping by team.

Exercise 5

Now we introduce the `xyplot` command. In this exercises you have to create a plot of goals received against goals done and play at home (variable `home`), grouping by team.

Exercise 6

From the previous issue we will plot in this exercises a time-

series xyplot. Again use goals done variable by team (hint:you have to do two different plots).

Exercise 7

Return to exercise 5 and create a time-series xyplot, grouping by team for goals received variable. Customize your plot with the cut option.

Exercise 8

Finally, produce a quantile-quantile (qqplot) plot of win matches against goals received and injuries (variable inj), grouping by team.