

Dataset Bike Sharing

The management of the bike-sharing company BiKCity asks you to analyze the data collected in the Excel file *DatasetBikeSharing.xlsx* and to propose a strategy to increase the number of rented bikes.

Prepare a short but reasoned report that summarizes your analysis and contains a proposal.

Step of the analysis

- 1) Check for outliers and missing values (MS Excel).**
- 2) Draw the histogram or the box-and-whiskers plot for the numerical variables and the bar plot or the pie chart for the categorical variables (MS Excel).**
- 3) Graph the relationship between the response variable and the numerical predictors (scatterplots) and between the response variable and the categorical predictors (sequence of box-and-whiskers plots). Comment on them (MS Excel or R-Studio).**
- 4) Select the best multiple regression model (R-Studio).**

Suggestions for the report

1) The report must summarize your analysis. It must be easily understandable to those who are not experts in statistics. Therefore, it will not contain technical terms or R commands.

2) The report must include some graphs. I suggest including the histograms and the scatterplots (or sequence of box-and-whiskers plot). Moreover, if you have to show the presence of one or more outliers, I suggest including the box-and-whiskers plot .

It is preferable to add a number and a caption to each Figure so that it can be referenced in the text.

3) It is recommended to use the first-person plural (we have analyzed, we have drawn...)

Send the report to

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by Friday!