

DSTI Autumn 2023 Cohort

Big Data Processing with R

Pr. Charles Bouveyron

The final reports have to be uploaded on Moodle according to the detailed instructions below.

1. Objectives

The examination will be in two parts:

1.1. Shiny application

Create a Shiny application that allows to explore the AirBnB data (Paris data). A minimal application should contain:

- Relationship between prices and apartment features,
- Number of apartments per owner,
- Renting price per city quarter (“arrondissements”),
- Visit frequency of the different quarters according to time.

1.2. R markdown

The application should be accompanied by a R markdown document explaining the different steps of the analysis and providing some personal scientific comments on the data, based on statistical results.

2. Data

The data is provided on Moodle as a Rdata file.

3. Exam instructions

The final submission should contain the three following **mandatory** elements:

1. The Rmd version of the R markdown file, including all R codes,
2. A compiled HTML version of the R markdown file, including all R codes,
3. The Shiny application (app.R).

The three files should be uploaded on Moodle as a .zip file.

It is not necessary to re-upload the data set on Moodle!