

## R for Big Data

Pr. Charles Bouveyron

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

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# 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 contains:

- 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 step of the analysis and providing **some personal scientific comments** on the data, based on statistical results.

# 2 Data

The data are provided on Moodle as a Rdata file.

# 3 Exam instructions

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

- the Rmd version of the R markdown file, including all R codes,
- a compiled HTML version of the R markdown file, including all R codes,
- the Shiny application (app.R).

The three files should be uploaded on Moodle. It is not necessary to re-upload the data set on Moodle!