**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 available at https://plmbox.math.cnrs.fr/f/d07fc67d42514fe8a7da/

?dl=1.

**3 Exam instructions**

The final submission should contain:

• 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).