**Explanatory Note: Steps to Execute the Code**

**1. Create a New Project**

* Open **RStudio**.
* Go to **File** > **New Project** > **New Directory**.
* Choose **Empty Project** and name it **Rent Paris**.
* Select a location on your computer and click **Create Project**.

**2. Organize All Files**

* Place all necessary files in the same directory (folder) as the R project:
  + **Raw Data Files** (lodgement.csv)
  + **Cleaned Data Files** (data\_cleaned\_lodgement\_paris.csv)
  + **R Script** for data cleaning.
  + **R Markdown File** (Lodgement\_Paris.Rmd) for report generation.

**3. Open the R Script**

* Open the R script (Database formatting step for lodgment Paris).
* This file contains the cleaning and preparation steps for the raw dataset.
* You can review and execute the script to understand the cleaning process (Select everything to export the new database in data\_cleaned\_lodgement\_paris.csv)

**4. Compare Raw vs Cleaned Data**

* After running the cleaning script:
  + Use the View(data) command to see the original raw data.
  + Use the View(data\_clean) command to see the cleaned and processed data.
* This comparison allows you to check for inconsistencies and validate cleaning steps.

**5. Open the R Markdown File**

* In RStudio, open the R Markdown file (Lodgement\_Paris.Rmd).
* This file contains all analysis, visualizations, and tables for the project.

**6. Install Necessary Packages**

* Ensure all required packages are installed by running:
* install.packages(c("tidyverse", "leaflet", "knitr", "kableExtra", "dplyr", "ggplot2"))
* This step ensures the environment is ready to run the code.

**7. Knit the R Markdown File**

* Click the **Knit** button in RStudio.
* The final report **Lodgement Paris** will be generated