



e-Rum2020

VIRTUAL CONFERENCE

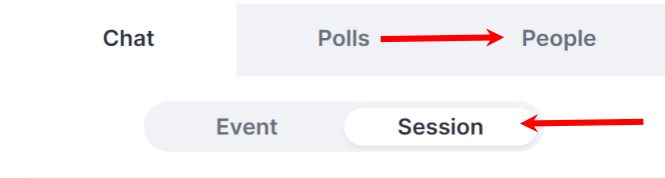
17/20 JUNE
MILANO

Cristina Muschitiello
Niccolò Stamboglis

01_Introduction

A UNIFIED APPROACH FOR WRITING AUTOMATIC REPORTS

Parameterization and Generalization of R- Markdown



If you're in trouble



write us on the session chat or contact one of us directly from the "people" panel

If you have questions.



We will dedicate time for questions in all sessions. Write us on the session chat or ask to be admitted on video.

If the shared screen is too small



Double click to enlarge it

Instructors



Cristina



[muschitiello](#)



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Topics

1. Basics of Rmd reporting
2. Create parametric reports
3. Create custom parameters
4. Generalize reports using functions
5. Fully-fleshed example (PrescRiptions)

Schedule

01_Introduction ~ 15 min

02_Rmd_Basics ~ 20 min

03_Rmd_Parametrization pt 1 ~ 20 min

--- Short Break ---

03_Rmd_Parametrization pt 2 ~ 30 min

06_Rmd_Generalizability ~ 30 min

--- Short Break ---

05_PrescRiptions_Project ~ 20 min

07_Conclusions ~ 5 min

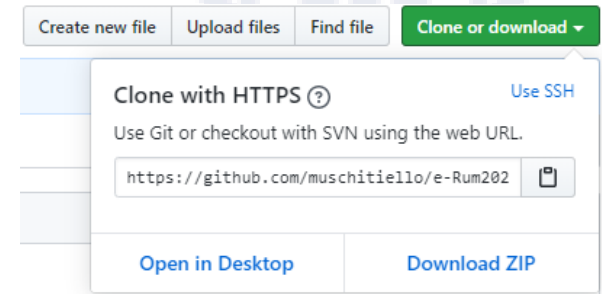
Workshop Materials



Log-in and enjoy



Clone or Download
And run locally



Workshop Materials



If you run locally, you have to download the following packages:

```
##### CODE WORKING FOR R VERSION <= 3.6.3
```

```
install.packages("pacman")
```

```
pacman::p_load("yaml", "data.table", "stringr", "readr", "config", "ggthemes",  
              "ggplot2", "prettydoc", "rmarkdown", "scales", "tidyverse", "dplyr",  
              "kableExtra", "RCurl", "EQL", "kdensity")
```

```
##### INSTALL PrescRiptions from source
```

```
install.packages("05_PrescRiptions_project/packages/PrescRiptions_0.2.5.tar.gz", repos = NULL, type = "source")
```

Workshop Materials

RStudio Cloud Link

<https://rstudio.cloud/spaces/68613/projects>



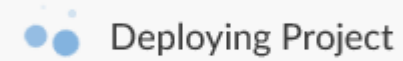
GitHub Repo Link

<https://github.com/muschitiello/e-Rum2020-Unified-Approach-For-Automatic-Reports>

The workshop is run on R Studio Cloud.

If you have issues accessing the cloud you can follow the material on
GitHub.

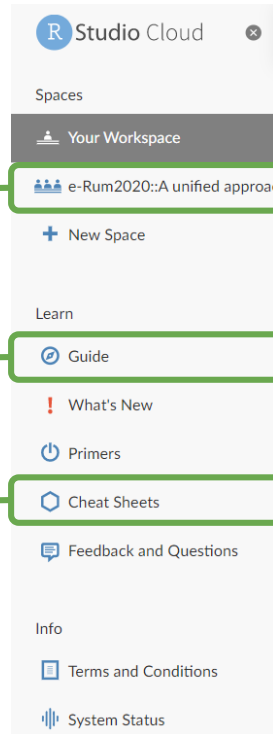
RStudio Cloud



Workshop
Working Space

Guide

Cheat Sheets



The sidebar menu for RStudio Cloud is shown. It includes a header with the RStudio Cloud logo and a close button. Below the header are sections for Spaces, Learn, and Info. The 'Your Workspace' item under Spaces is highlighted with a green box and a green dot. The 'Guide' item under Learn is highlighted with a green box and a green dot. The 'Cheat Sheets' item under Learn is highlighted with a green box and a green dot.

- Studio Cloud
- Spaces
 - Your Workspace
 - e-Rum2020::A unified approach
 - New Space
- Learn
 - Guide
 - What's New
 - Primers
 - Cheat Sheets
 - Feedback and Questions
- Info
 - Terms and Conditions
 - System Status

Your Workspace

Projects

Info

Your Projects

New Project



no projects

RStudio Cloud

The screenshot displays the RStudio Cloud web interface. On the left, a sidebar contains a 'Spaces' section with 'Your Workspace' and a selected space 'e-Rum2020::A unified approach...'. Below this is a 'Learn' section with links to 'Guide' and 'What's New'. The main area, titled 'All Projects', lists two projects. The first project, '01_Introduction', is highlighted with a green box around its 'START' button and project name, with an arrow pointing to the text 'Open project'. The second project, '02_Rmarkdown_basics', is also listed. A green box around the project name in the sidebar has an arrow pointing to the text 'Back to project list'.

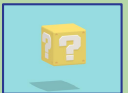
Questions



Your turn:

Open the Introduction
project and explore
RStudio Cloud

.. or get started with your [GitHub](#) if your prefer..



Let's get started!



Source: giphy.com