



e-Rum2020

VIRTUAL CONFERENCE

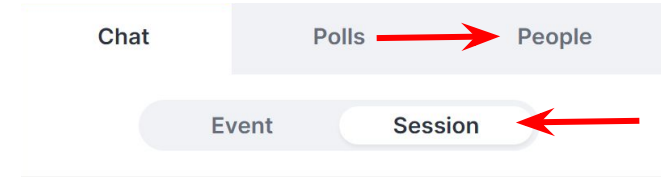
17/20 JUNE
MILANO

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

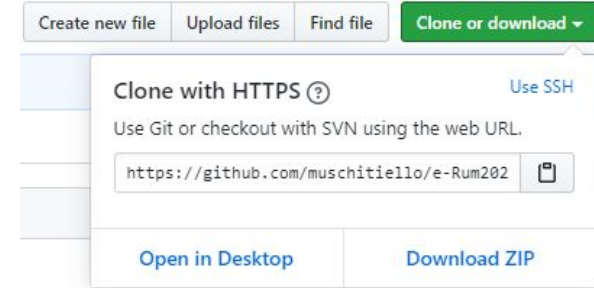
Workshop Materials



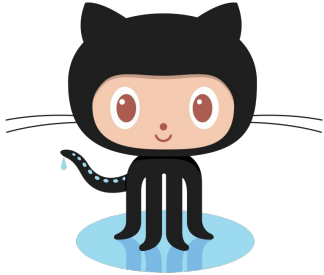
Log-in and enjoy



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("yaml")  
install.packages("data.table")  
install.packages("stringr")  
install.packages("readr")  
install.packages("rCurl")  
install.packages("config")  
install.packages("ggthemes")  
install.packages("ggplot2")  
install.packages("prettydoc")  
install.packages("rmarkdown")  
install.packages("scales")  
install.packages("tidyverse")  
install.packages("dplyr")  
install.packages("kableExtra")  
install.packages("RCurl")
```

```
##### INSTALL Prescriptions from source
```

```
install.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.

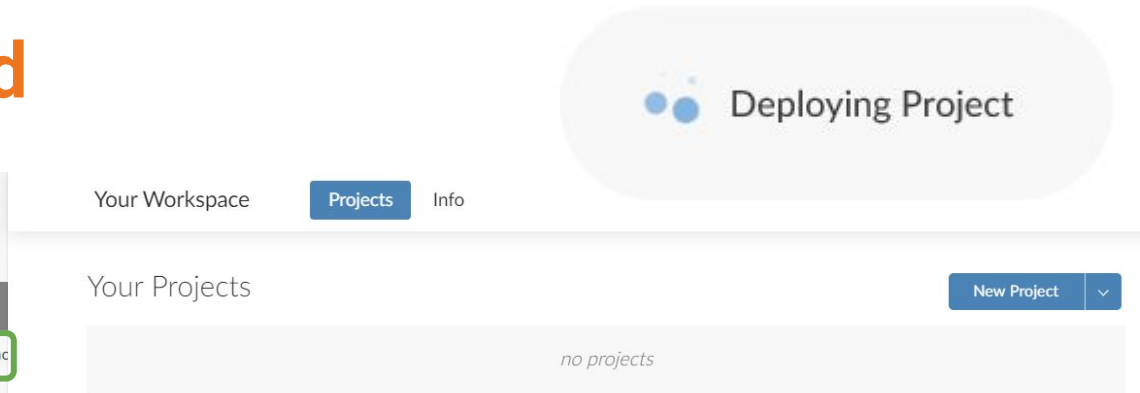
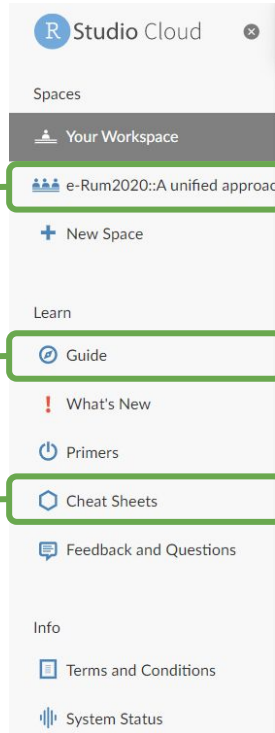
If you have issues accessing the cloud you can follow the material on
GitHub.

RStudio Cloud

Workshop
Working Space

Guide

Cheat Sheets



RStudio Cloud

The screenshot displays the RStudio Cloud web interface. On the left is a sidebar with the 'R Studio Cloud' header and a close button. It contains two main sections: 'Spaces' with a link to 'Your Workspace' and a highlighted project 'e-Rum2020::A unified approach...'; and 'Learn' with links to 'Guide' and 'What's New'. The main content area is titled 'All Projects' and lists two projects. The first project, '01_Introduction', is highlighted with a green box around its 'START' button and name, with an annotation 'Open project' pointing to it. The second project, '02_Rmarkdown_basics', is also listed. A green line points from the 'e-Rum2020::A unified approach...' text in the sidebar to the 'Projects' button in the main area, with an annotation 'Back to project list' pointing to the button.

Back to project list

Projects

e-Rum2020::A unified approa...

All Projects

START 01_Introduction

Open project

Cristina Muschitiello

Created May 9, 2020 4:43 PM

START 02_Rmarkdown_basics

Cristina Muschitiello

Created May 9, 2020 4:42 PM

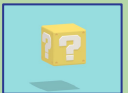
Questions



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