**R session**

**Thursday 09/01**

**8:30 – 10:30 CET**

**Agenda**

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| **Introduction** | **15 min** | **8:30 – 8:45** |
| **R markdown**   * live Demo * PPT * Practice * Questions/responses/ressources | **70 min**  15 min  15 min  20 min  20 min | **8:45 – 9:45**  8:45 – 9:00  9:00 – 9:15  9:15 – 9:35  9:35 – 9:55 |
| **Sitrep package**   * Install   + Live demo   + Practice! * Templates for data analysis   + live Demo   + Explore the scripts! | **20 min**  10 min  10 min | **9:55 – 10:15**  9:55 – 10:05  10:05 – 10:15 |
| **Discussions:**   * Creating a community of R users? * How to improve the R sessions? * Topic for the next session | **15 min** | **10:15 – 10:30** |

Material:

* PPT
* Scripts
  + 9-1\_demo\_script\_to\_rmd.R
  + 9-2\_ebola\_final.Rmd

Demo

* 9-1\_demo\_script\_to\_rmd.R
* demo\_rmarkdown.Rmd
* create the rstudio demo report
* Convert 9-1\_demo\_script\_to\_rmd.R in an automated report

**Email sent**

The topic of this R session is **R markdown**.

The idea of this session is that you go through some materials before the session, and during the sessions a summary will be presented (ppt/live demo) and then you’ll share your experiences and challenges, and we’ll respond together to your questions.

Preliminary agenda:

* Intro: 10 min
* Presentation/live Demo: 20-30 min
* Sharing experiences/challenges and question/response: 60 min
* Discussions: 20-30 min
  + Creating a community of R users?
  + How to improve the R sessions?
  + Topic for the next session

Preliminary work:

To attend this session, you must complete some preparation work that is available on the applied epi website:

* Watch the video from the module 9 ‘Reports with R Markdown’: <https://files.appliedepi.org/media/mod9>
* Read the slides available here: <https://appliedepi.github.io/slides/intro/en/module_9/module_9.html>
* Explore and run the script “9-2\_ebola\_final.Rmd” that is available in the folder “intro\_course\scripts\backup”.

Don’t hesitate to contact me if you have questions.

Other resources that you can explore:

* R Markdown in the Epi R handbook

<https://epirhandbook.com/en/reports-with-r-markdown.html>

* R Markdown Cheat Sheet:

<https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf>

* Rstudio:

<https://rmarkdown.rstudio.com/lesson-1.html>