Project-Based Learning for the use of Rin Biochemistry and Molecular Biology research





Previous introduction to R

Course Materials & Exercises online in advance for autonomous work.





Work Lessons

Parallel Experts Meetings:

- 2 rounds.
- 2 parallel.

Group meetings:

- 2 groups together.
- 1 day per Lesson.



Project in Groups

- Choose 2 projects out of 7 proposed.
- Develop the scripts with example data.
- Create a reproducible and reusable Markdown.
- Demo Day: Test with alternative datasets



Enjoy

Use R in your research!



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Fall Semester 2024

r4biochemists.github.io

PHASE I

PBL Intro ABiochemists UAM 31 October (Aula 0) Experts Nomination

Before 5 November

Experts review
the material &
exercises



Experts Meeting Round I (x3)



R3A R3B R4A R4B R5A R5B

A: Teams 1, 3, 5 & 7 B: Teams 2, 4, 6, 8 & 9

5 November (Seminario 10)

GOAL: Discuss difficult points among experts and with instructors.

All students review materials & try the exercises in advance

(Seminario 10)

R Intro & Exercises (R1 & R2)

17 to 31 October (Aula 0)



Project v.0 19/11/2023 (23h)

Project v.0 Feedback

21 November (Seminario 10)



Review & Lesson R6

19 November (Seminario 10)

Base Teams Meeting (x5)





GOAL: Work the lesson and discuss exercises

7 (R3), 12 (R4) & 14 (R5) November

PHASE II

Before 28 November:
Experts review
the material



Experts Meeting Round II



R7A R7B R8A R8B R9A R9B

28 November (Aula 0)

A: Teams 1, 4, 5, 6 & 7

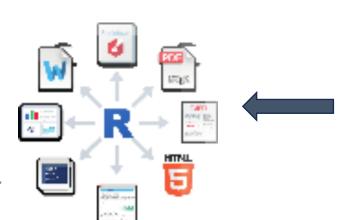
B: Teams 2, 3, 8 & 9

GOAL: Discuss difficult points

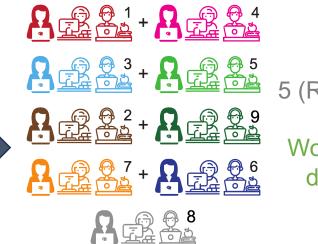
Among experts and with instructors.



Demo Day 17 & 21 December (Seminario 10)



Base Teams Meeting II (x5)



3 (R7 & R8) & 5 (R8 & R9) December (Seminario 10) Work the lesson and discuss exercises



Project v.1 9/12/2023 (23h)

Project v.1 Feedback 10 & 12 December (Seminario 10)

Assessment

