

Swiss Institute of  
Bioinformatics

# Introduction to statistics

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Course website

<https://sib-swiss.github.io/Introduction-to-statistics-with-R/>

# About this course-What you will learn:

- (Probably) Your first steps in the R environment
- Work on real-life datasets or made up datasets (mainly curated for you)
- Learn about standard statistical tools and ways to analyse simple problems
- Discuss major confusion or misunderstanding related to statistics.
- Practice data analysis.
- Learn how to visualise the/your data.
- Discuss your statistical question or your data.

# Schedule-tentative

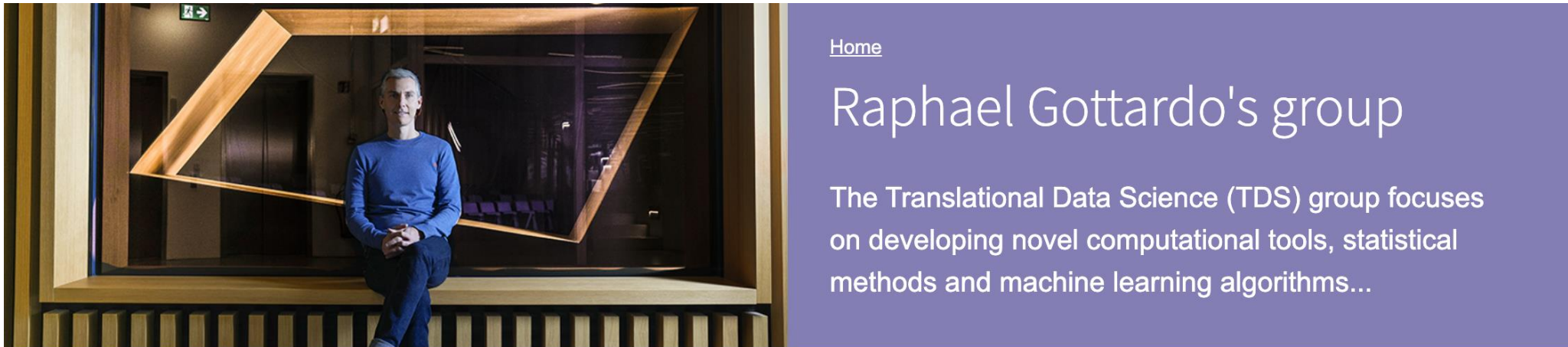
## Day 1

block	start	end	subject
introduction	9:00 AM	9:30 AM	Introduction to us and the group
block 1	9:30 AM	10:30 AM	Introduction to summary statistics
	10:30 AM	11:00 AM	BREAK
block 2	11:00 AM	12:30 PM	Exercises
	12:30 PM	1:30 PM	BREAK
block 3	1:30 PM	3:00 PM	Introduction to hypothesis testing, multiple testing
	3:00 PM	3:30 PM	BREAK
block 4	3:30 PM	5:00 PM	Exercises

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# Translational data science TDS

- <https://www.linkedin.com/company/tds-facility/>



We are happy to hear about your projects and problems!  
We work as a facility with transdisciplinary collaborations.  
We are a team of bioinformaticians coming from very different backgrounds.

CONTACT US! @TDS\_facility@sib.swiss

# The teachers- Presentation

- Joao Lourenço
- Rachel Marcone

# Mentimeter

- Go to **www.menti.com** and use the code **4105 2898**



Please enter the code

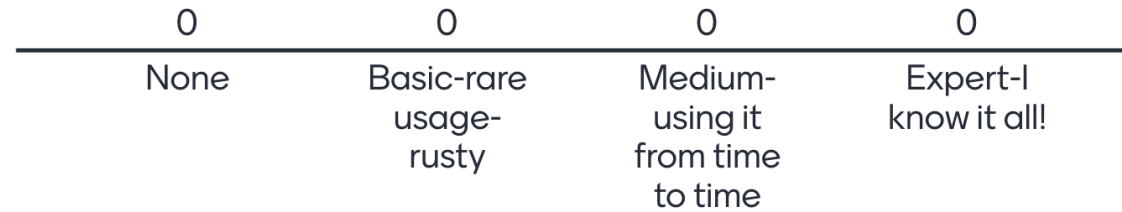
Submit

The code is found on the screen in front of you

Go to [www.menti.com](https://www.menti.com) and use the code 4105 2898

# My R knowledge

 Mentimeter





Go to [www.menti.com](https://www.menti.com) and use the code 4032 9138

# I am a



# Now a round of table

- Let us know who you are, your background, what you are working on and where, and what type of data you might have to analyse (at some point) or what you expect from this course.

# If at any point you feel overwhelmed:

- Ask your neighbors (Interactive course)
- Do a quick search for further help on google
- Ask us!