



*July 17-18, 2020*

# Welcome to *Hands-on Biostatistics* Online Workshop

We will start in a few minutes...

# Goal of the workshop

- This workshop aims at presenting some basic statistical methods for handling data in biology, medicine and public health. The lectures will give an overview of some basic concepts of biostatistics and their applications in R software.
- Moreover, the applications of biostatistics in clinical research will be discussed in the keynote lecture.

# Speakers

Eliana Ibrahimi

- Lecturer of Biostatistics at University of Tirana, Albania

Sofie van Waes

- Biostatistician at DICE-CRO, Belgium

# Program overview

## Day 1: Friday, July 17

- Introduction to Biostatistics
  - Why Biostatistics?
  - Variables in Biostatistics
  - Data Exploration
  - Estimation
- Introduction to R and Rstudio
  - RStudio environment
  - Importing/reading data in R
  - Data exploration in R

## Day 2: Saturday, July 18

- Comparing means
  - Student t-test; One-way ANOVA
- Discovering associations
  - Chi-square; Linear regression; Correlation
- Group project
  - Hands-on Biostatistics
- Keynote lecture
  - Biostatistics in Clinical Trials



# We were supposed to be here...

*Faculty of Natural Sciences-UT*



But only 30 participants, mainly from Albania

*Tirana, Albania*



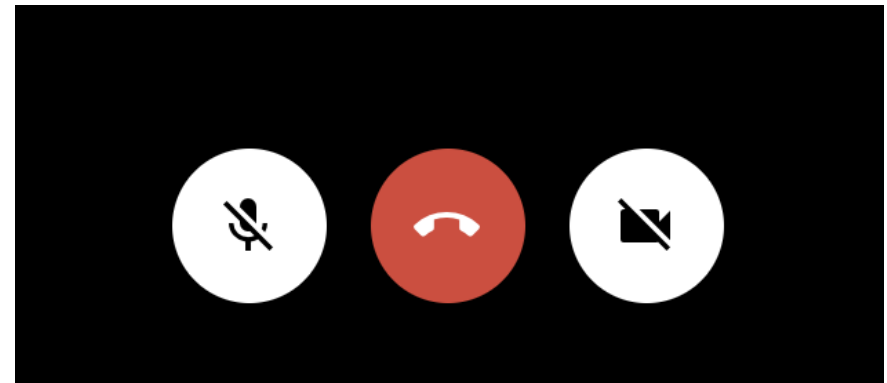
Now there are more than 80 registered attendees from 21 different countries.

## A few technical information

- All lectures and R codes are available in Google Drive. The folder is already shared with you.
- The schedule and instructions are as well in Drive, but you also received them by email last week.

# Important instructions

- As the lectures start make sure you are muted and the video is off.
- Please feel free to ask questions in the chat or answer the speaker's requests.





# Before we start let's get to know each other 😊

I will sent the following links in the chat, please check and answer each question...

<https://www.wooclap.com/HOB1>

<https://www.wooclap.com/HOB2>

