# Statistics with Spa R ows

Lecture 1

Julia Schroeder

Julia.schroeder@imperial.ac.uk

## Outline

- How I run this course
- Reminder: basic R

• Interactive lectures with practice sessions

- Interactive lectures with practice sessions
- Lectures and sessions cover same topic, but slightly different things, so do all practicals thoroughly!

- DO NOT read and copy-paste the code from your hand-out.
- It means to read, and try to understand.
- Look at the output. Try to understand every little bit of it.
- **ASK** if you don't.

- Interactive lectures with practice sessions
- Lectures and sessions cover same topic, but slightly different things, so do all practicals thoroughly!
- Aim to understand statistics, to be able to use the right tools, or know what to ask/where to look for the right tools for your question

- Interactive lectures with practice sessions
- Lectures and sessions cover same topic, but slightly different things, so do all practicals thoroughly!
- Aim to understand statistics, to be able to use the right tools, or know what to ask/where to look for the right tools for your question

Not aiming at understanding all the math

- Interactive lectures with practice sessions
- Lectures and sessions cover same topic, but slightly different things, so do all practicals thoroughly!
- Aim to understand statistics, to be able to use the right tools, or know what to ask/where to look for the right tools for your question

- Not aiming at understanding all the math
- But some

Will be assessed in exams!

#### Exercises: DO IT NOW!

- Regular occurrence in this course
- Not marked.

- Handout questions + screen questions
- Solutions discussed in class with your peers and staff ASK
- ALWAYS work in scripts, not in terminal. Save scripts.
- Volunteer your scripts if you struggle!

#### Reminder basic R Exercise: DO IT NOW!

- Use your computer!
- Work through HO1!
- Answer questions on screen and in handout!

• Error messages: tell us all about them! Which ones did confuse you?

- Error messages: tell us all about them! Which ones did confuse you?
- What is the difference between require(package) and library(package)?

- Error messages: tell us all about them! Which ones did confuse you?
- What is the difference between require(package) and library(package)?
- To what precision should you report decimal places in your reports?

- Error messages: tell us all about them! Which ones did confuse you?
- What is the difference between require(package) and library(package)?
- To what precision should you report decimal places in your reports?
- Why do we clear our workspace regularly?

- Imperative to do exercises
- Foundation for your Masters

ASK FOR HELP EARLY

- Wednesday: Troubleshooting session, starting 9:15h
- ASK FOR HELP outside of this course, too!

- Error messages: tell us all about them! Which ones did confuse you?
- What is the difference between require(package) and library(package)?
- To what precision should you report decimal places in your reports?
- Why do we clear our workspace regularly?
- Any questions? Any problems?