Semester 2 Welcome

Data Analysis for Psychology in R 1

Semester 2, Week 1

Department of Psychology
The University of Edinburgh

Semester 1 Recap

S1 Weeks 1 - 5

- Collecting Data & Types of Data

- Describing and Visualising Categorical Variables

- Describing and Visualising Numeric Variables

- Describing and Visualising Relationships

- Types of Relations (functions)

S1 Weeks 7 - 11

- Probability Theory

- Probability Rules

- Discrete Random Variables

- Continuous Random Variables

- Sampling Distributions

Things we hope you did last semester

Engage with course materials

- Complete the weekly quiz

- Watch lectures and complete the lecture activities

- Attempt the weekly exercises

- Compare your attempt with the solutions each time

- Attend labs and office hours

- Write your questions on the discussion board

RStudio skills

- Basic arithmetic operations

- Rstudio functionality

- Data handling in R

- RMarkdown

- ggplot!

A Map of Semester 2

S2 Weeks 1 - 5

- Confidence Intervals

- Hypothesis Testing: P-values

- Hypothesis Testing: Critical Values

- Hypothesis Testing & Confidence Intervals

- Making Decisions (Effect Sizes, Power, Errors)

S2 Weeks 7 - 11

- One Sample t-Test

- Independent Samples t-test

- Paired Samples t-test

- Chi-square test

- Covariance and correlation

Things that will be the same

- Quizzes will be delivered in the same mode as in Semester 1

- Lecture videos will be delivered online in the same mode as in Semester 1

- Live R sessions will be online in the same mode as in Semester 1.

- Office hours will be held online in GatherTown (see link on the left-hand side menu of Learn)

    - Change in time:

        Tuesdays 15:00-17:00 with Alex Doumas

        Thursdays 13:30-15:30 with senior teaching coordinators

Changes

- From now on, **all labs** will be held **in person**.

- You must only attend the lab session that is in your personal timetable.

- Do **not** attend lab sessions you were not allocated to.

- You can put in a formal request to change allocation on Learn, but you must wait until this change is confirmed before going to the new lab.