

DATA1901 LAB01
TOPIC ONE

The background is a vibrant blue gradient. It is filled with a complex pattern of glowing yellow and white elements. These include binary code (0s and 1s) and various geometric shapes like rectangles and lines, some of which are slightly blurred to create a sense of depth. Scattered throughout are numerous bright, multi-pointed starburst or 'glitch' effects, giving the overall image a high-tech, digital, and futuristic feel.

WELCOME TO DATA SCIENCE

ABOUT US

- » What are you studying?
- » What languages do you speak? (verbal and coding)
- » When you first started coding in R, how did you find it?

ABOUT YOU

- » What is your major / degree?
- » What languages do you speak? (verbal and coding)
- » What are you most excited for in university?

TOPICS



Exploring Data

Topic 1

Design of Experiments



Topic 2

Data and Graphical Summaries



Topic 3

Numerical Summaries



Modelling Data

Topic 4

Normal Model



Topic 5

Linear Model



Sampling Data

Topic 6

Understanding Chance



Topic 7

Chance Variability (The Box Model)



Topic 8

Sample Surveys



Decisions with Data

Topic 9

Hypothesis Testing



Topic 10

Tests for Mean



Topic 11

Tests for Relationship



Topic Overview



Imagine

Approx. 20min



Discover

Approx. 3hr



Challenge

Approx. 1hr



Explore

Approx. 1hr



Evaluate

Approx. 2hr



The background is a vibrant blue field filled with out-of-focus yellow and white light spots, creating a bokeh effect. Overlaid on this are faint, glowing digital patterns, including lines, squares, and rectangular frames, reminiscent of a circuit board or data visualization. The word "CHALLENGE" is prominently displayed in the center.

CHALLENGE

TAKE

BREAK

The background is a vibrant blue field filled with out-of-focus yellow and white light spots, creating a bokeh effect. Overlaid on this are faint, glowing digital patterns, including lines of code, binary digits (0s and 1s), and abstract geometric shapes, suggesting a high-tech or data-driven theme.

EXPLORE

REMINDERS

- » Add your group members on socials / email
- » Work through the extra practice in challenge
- » Complete the evaluate quiz
- » Go to the evaluate lecture on Friday