# One Data Science Programme Week 2

Recap of Week 1 activities

# Data Science and AI in the news

## TECH POLICY

# A quick guide to the most important AI law you've never heard of

The European Union is planning new legislation aimed at curbing the worst harms associated with artificial intelligence.

**By Melissa Heikkilä**

It would require extra checks for "high risk" uses of AI that have the most potential to harm people. This could include systems used for grading exams, recruiting employees, or helping judges make decisions about law and justice. The first draft of the bill also includes bans on uses of AI deemed "unacceptable," such as scoring people on the basis of their perceived trustworthiness.

# What is data science?

An interdisciplinary field which combines programming, mathematics, statistics, and domain expertise to extract meaningful outputs from data

**Q: Can you give us an example of an application of data science?**

# Programming in R

Used in:

- Statistical computing
- Data analysis
- Scientific research

Advantages:

Comprehensive set of high quality, specialised open source packages for solving/calculating complex problems in various domains
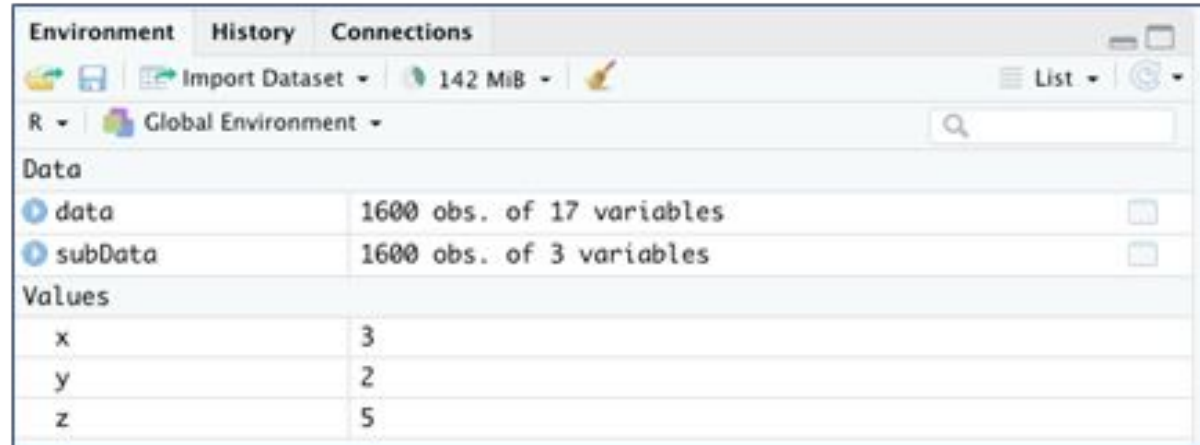
**Q: Can you name some other programming languages?**

# Some other programming languages

- Python
- JavaScript
- C / C++
- SQL

**Q: What does the 'Environment tab' show us?**

# What does the 'Environment tab' show us?

The environment tab shows us the variables and functions in the current R session

**Q: How do you install and load a package in R?**

# To install and load a package in R

> install.packages("dplyr")

> library(dplyr)