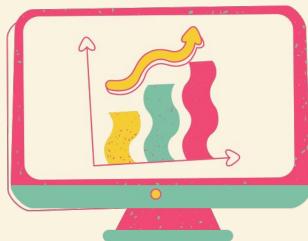


DATA SCIENCE

What is Data Science?

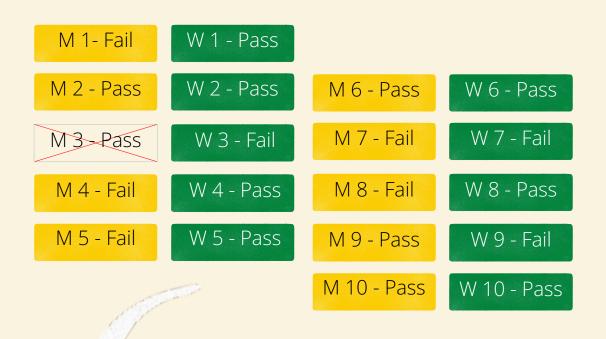
It's a field that uses machine learning, AI, processes, algorithms and other systems to **extract knowledge & insights** from large amounts of data and apply it.

Still unclear? Let's explore an example.





A group of 10 men (M) and 10 women (W) were selected for a test. The table below shows the results for each participant.



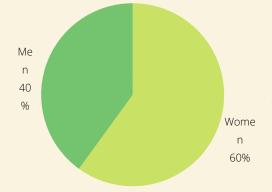




While the raw data above doesn't really tell us anything, when ANALYSED, it reveals certain conclusions we can later use.



6 in 10 people who gave the test passed.



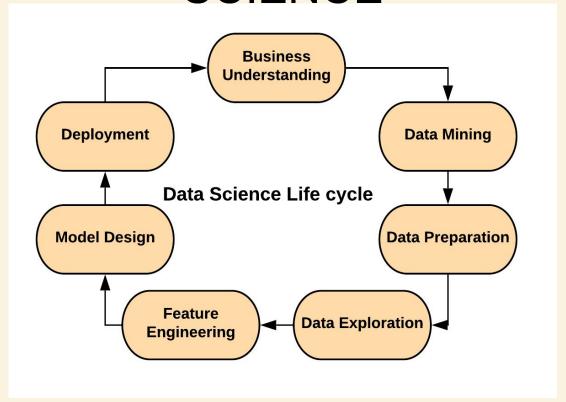
Women did 20% better than men in the test.

The data provided 2 conclusions when analysed.

This is the purpose of data science.



The cycle of DATA SCIENCE





R

Python

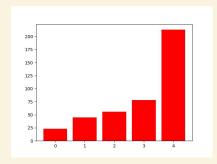


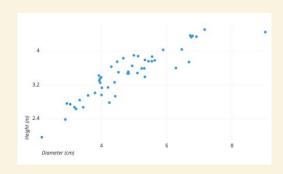


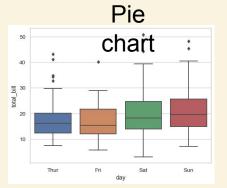


Chart types











| Catastrophic | Stop | Catastrophic | Actorn | Cacastrophic | Catastrophic | Actorn | Cacastrophic | Catastrophic | Catastrophic

Line graph

Boxplot

Heatma p

Likelihood



Data Science with Google Sheets

