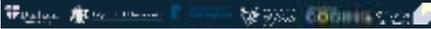


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Terminology

Topic 11b – Part 2



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1. What We'll Cover

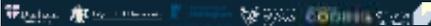
This topic will introduce...

- What is data science.
- Key concepts – the scientific method.
- Useful terminology.

} Part 2

- Important tools - Statistics.
- Data collection & Experiment Design.
- Probability basics.
- Data distributions.
- Hypothesis testing.

The aim: to help you understand what it means to be a data scientist and to get you familiar with data science tools.

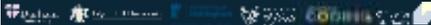


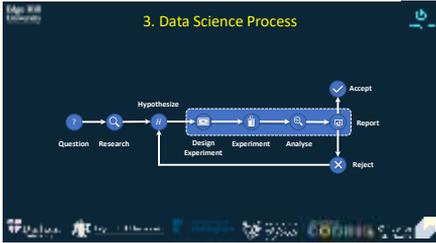
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2. Getting to Grips with Terms

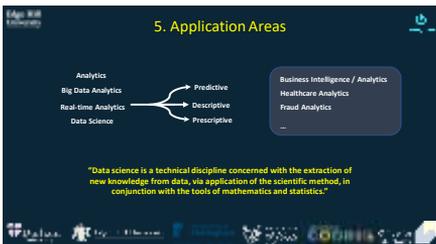


Credit: Nick Greenquist









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6. Application Areas

INTRO TO DATA SCIENCE ML? BI? AI?

A blue arrow points down to a small image of a tablet displaying data.

Windows taskbar icons are visible at the bottom.

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7. Roles

Design Experiment

Roles

Data Analyst

Data Scientist

Data Engineer

Windows taskbar icons are visible at the bottom.

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8. Roles

Design Experiment

Roles

Data Analyst

Data Scientist

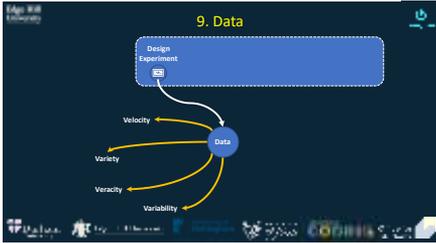
Data Engineer

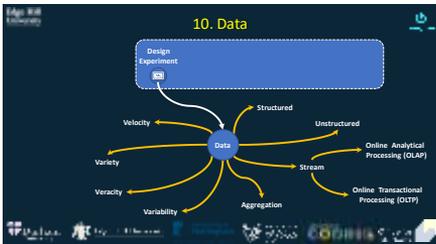
Data Wrangler / Data Mungler

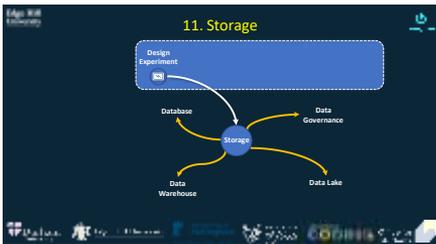
Data Architect

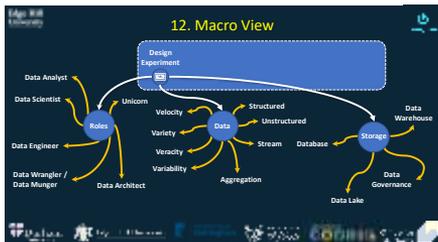
Unicorn

Windows taskbar icons are visible at the bottom.





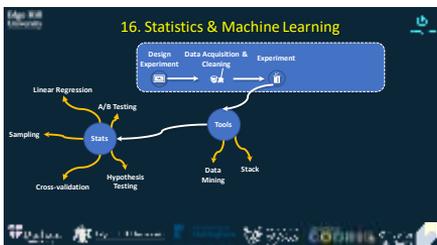


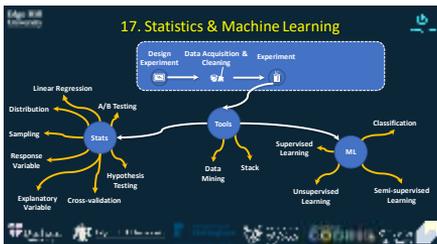












18. Analysis

Design → Data Acquisition & Experiment → Experiment → Analyse → Report

Exploratory analysis
Correlation analysis
Comparative analysis

19. Summary

- We've now introduced many of the most common terms you'll come across.
- I'm sure you are now experience information overload.
- We may come across these terms again as we move forward.

Credit: Nick Greenquist

20. Resources

Here are some resources you may find useful:

Data Science Terms

1
2
3
