**What is Data Science?**

Data science is the systematic approach to collecting, processing, analysing, and interpreting data to uncover hidden patterns, gain actionable insights, and support informed decision-making. It encompasses a wide range of techniques and tools, including statistics, machine learning, data visualization, and domain knowledge, to extract valuable knowledge and drive advancements in various fields, such as business, healthcare, finance, and research.

**Data science can involve:**

* Statistics, computer science, mathematics
* Data cleaning and formatting
* Data visualization