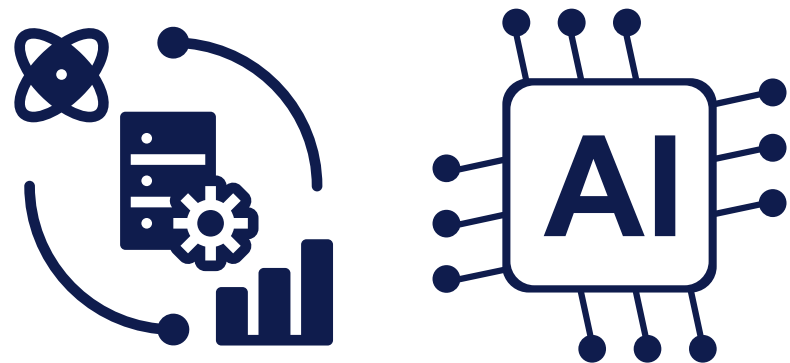




Welcome to

Data Science

Circle



Agenda

- Who are we and Who are you?
- What's Data Science?
- What are we aiming for?
- Road map
- System of meetings
- Questions????

Who Are We?



Esraa El Tohamy



Abdullah Salama



Rahma Hossam

Now your Time

Introduce your self

&

Share with us your thought about Data Science

WHAT'S DATA SCIENCE

Data science combines various disciplines, including statistics, computer science, mathematics, and domain expertise, to analyze and interpret complex data. It aims to uncover actionable insights that can inform decision-making and drive strategic planning across different industries. The field has gained significant attention due to the increasing volume of data generated daily and the need for organizations to leverage this data effectively. ↻ 2

2 Sources 🔍👁

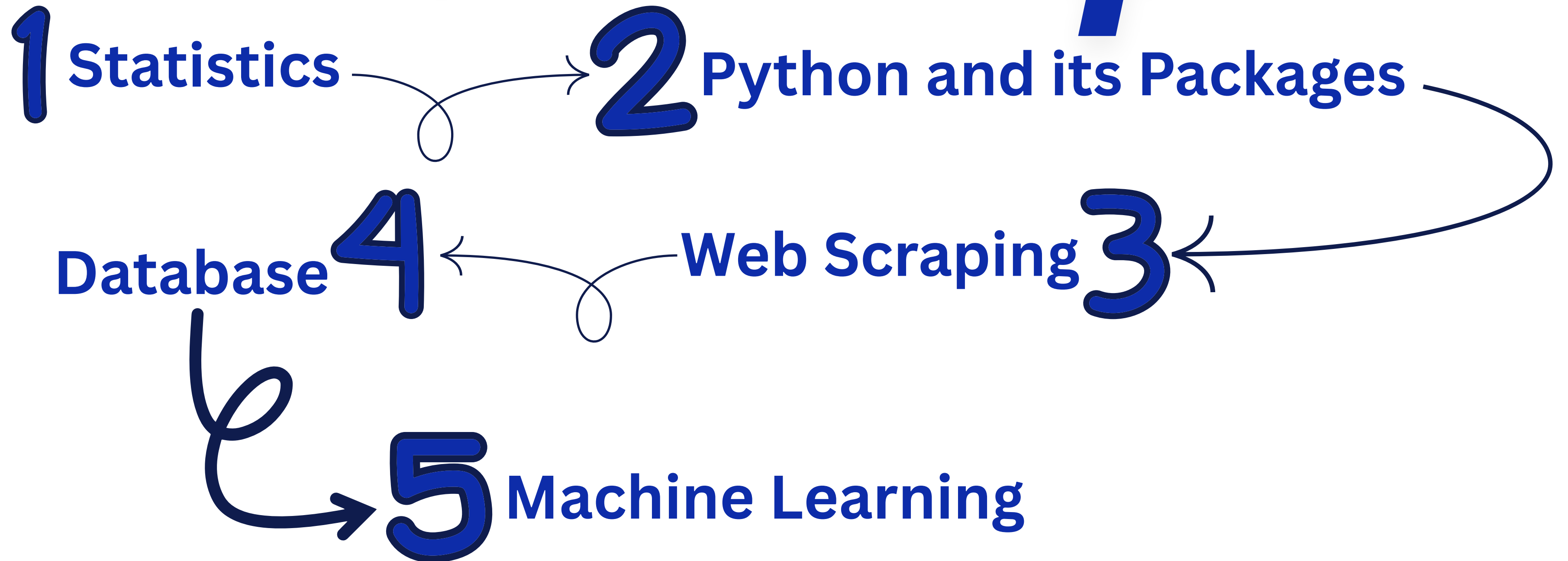
Key Components of Data Science

1. **Data Collection:** Gathering raw data from various sources, including databases, APIs, and real-time data streams. This data can be structured (like spreadsheets) or unstructured (like text or images). ↻ 2
2. **Data Cleaning and Preparation:** This involves processing the collected data to ensure its quality and usability. It includes handling missing values, removing duplicates, and transforming data into a suitable format for analysis. ↻ 2
3. **Data Analysis:** Applying statistical and computational methods to identify patterns, trends, and relationships within the data. This step often involves using machine learning algorithms to create predictive models. ↻ 2
4. **Data Visualization:** Creating visual representations of data findings, such as charts and graphs, to communicate insights clearly and effectively. ↻ 1
5. **Decision-Making:** Utilizing the insights gained from data analysis to inform business



Aiming for?

Road Map





System of Meetings



**Thank
you!**