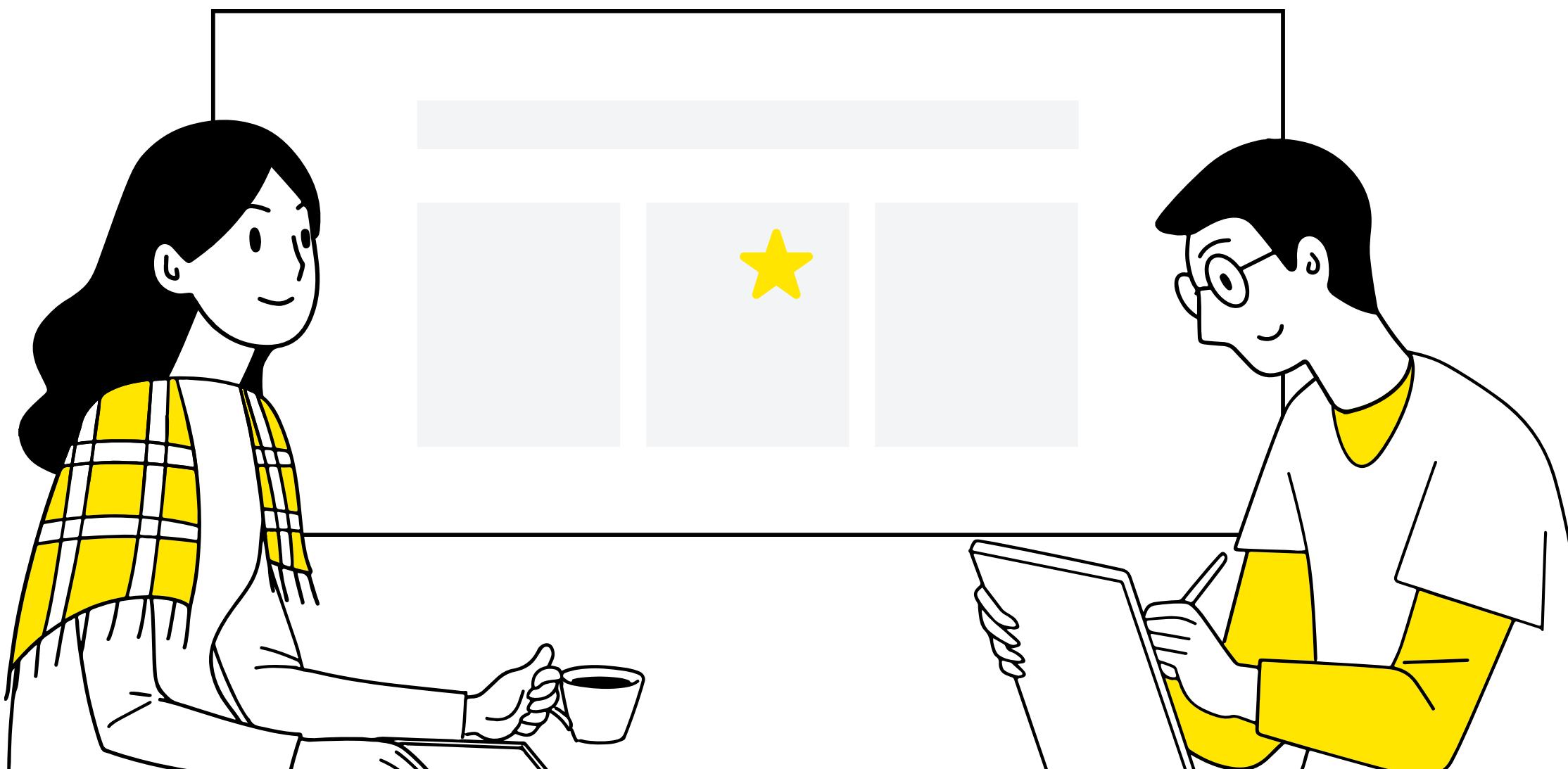


Welcome to the world of Artificial Intelligence



- **What is Artificial Intelligence?**

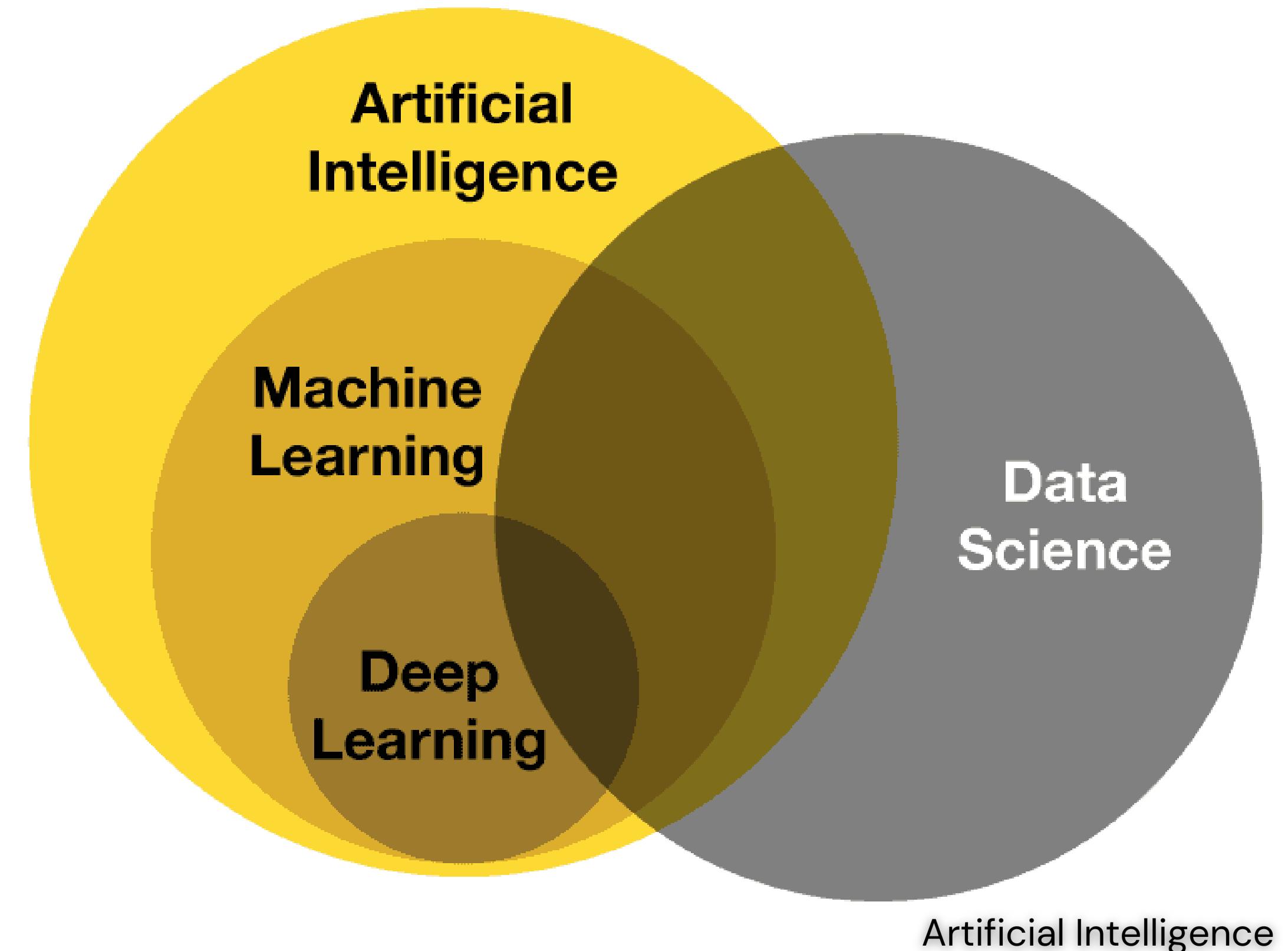
Enable machine to think

- **What is Machine Learning?**

**Statistical tool to explore
and analyze data**

- **What is Deep Learning?**

**Multi neural network
Architecture, Which can
mimic the human brain**



Today's Agenda

Data Science

Why
Data Science?

Role of a
Data Scientist

What is
Data Science?

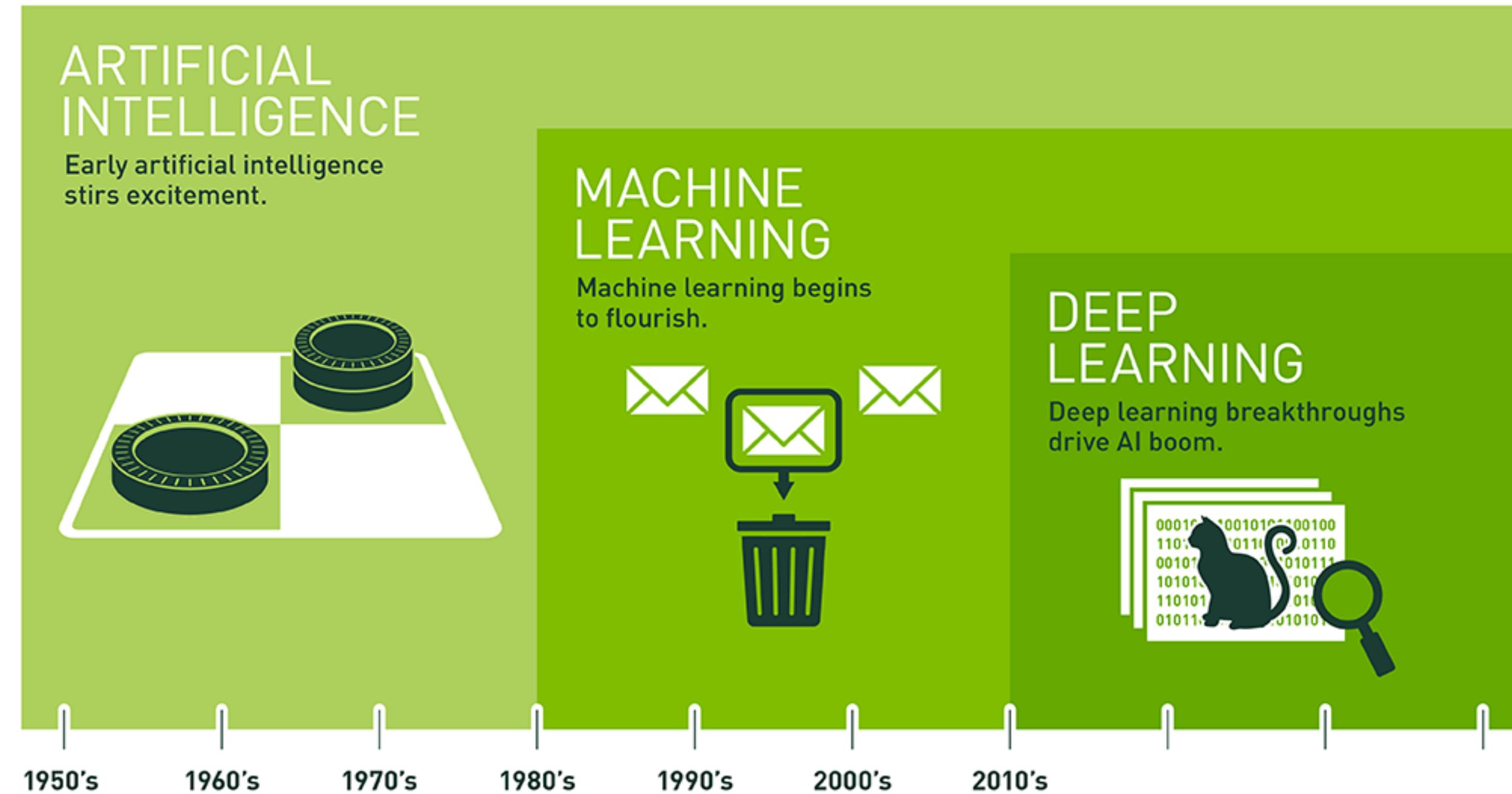
Solving
Problems with
Data Science

Data Science
Tools

Data Science
Applications



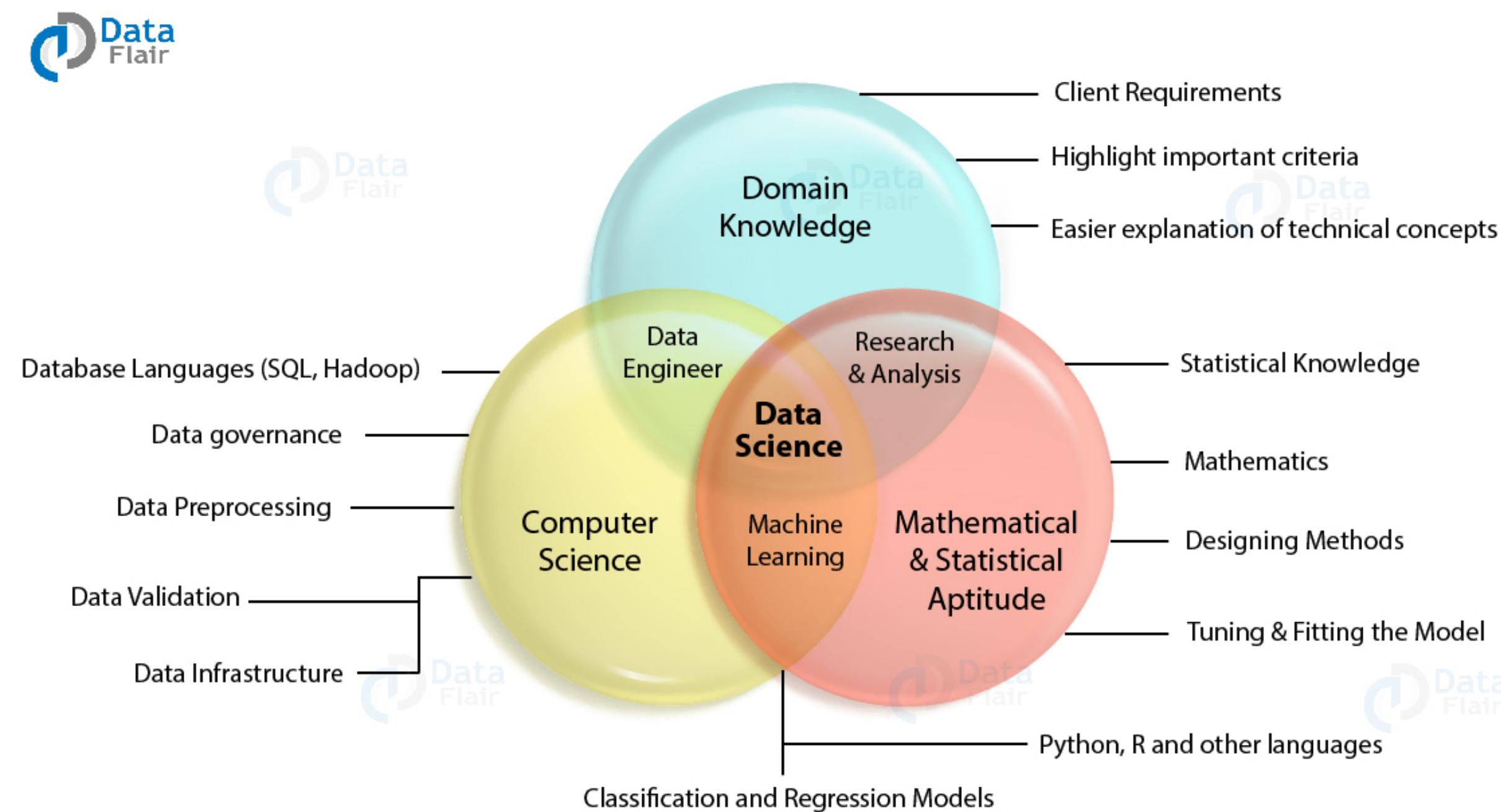
Evaluation of Artificial Intelligence



Since an early flush of optimism in the 1950s, smaller subsets of artificial intelligence – first machine learning, then deep learning, a subset of machine learning – have created ever larger disruptions.

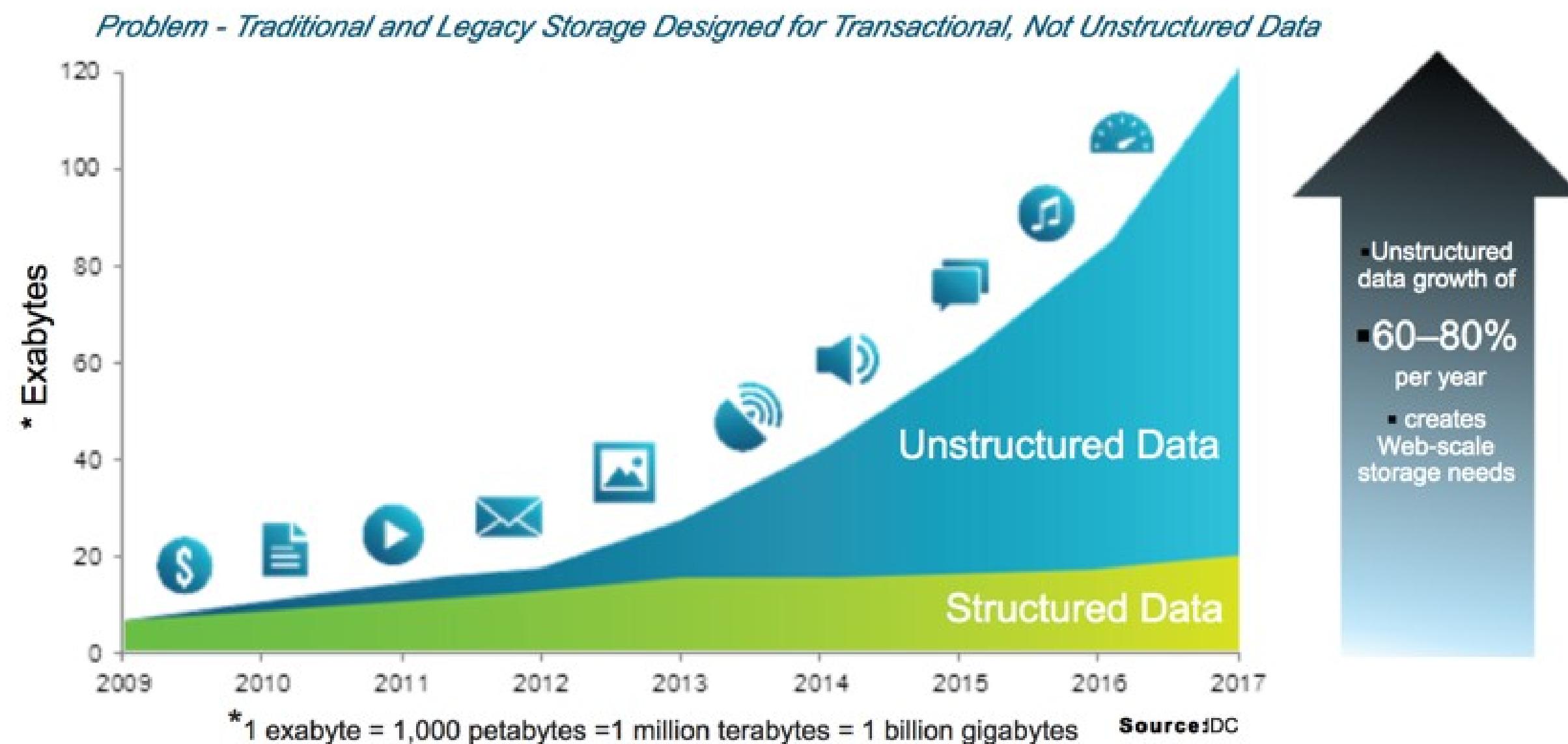
What is Data Science?

“Data Science is about extraction, preparation, analysis, visualization, and maintenance of information. It is a cross-disciplinary field which uses scientific methods and processes to draw insights from data.”

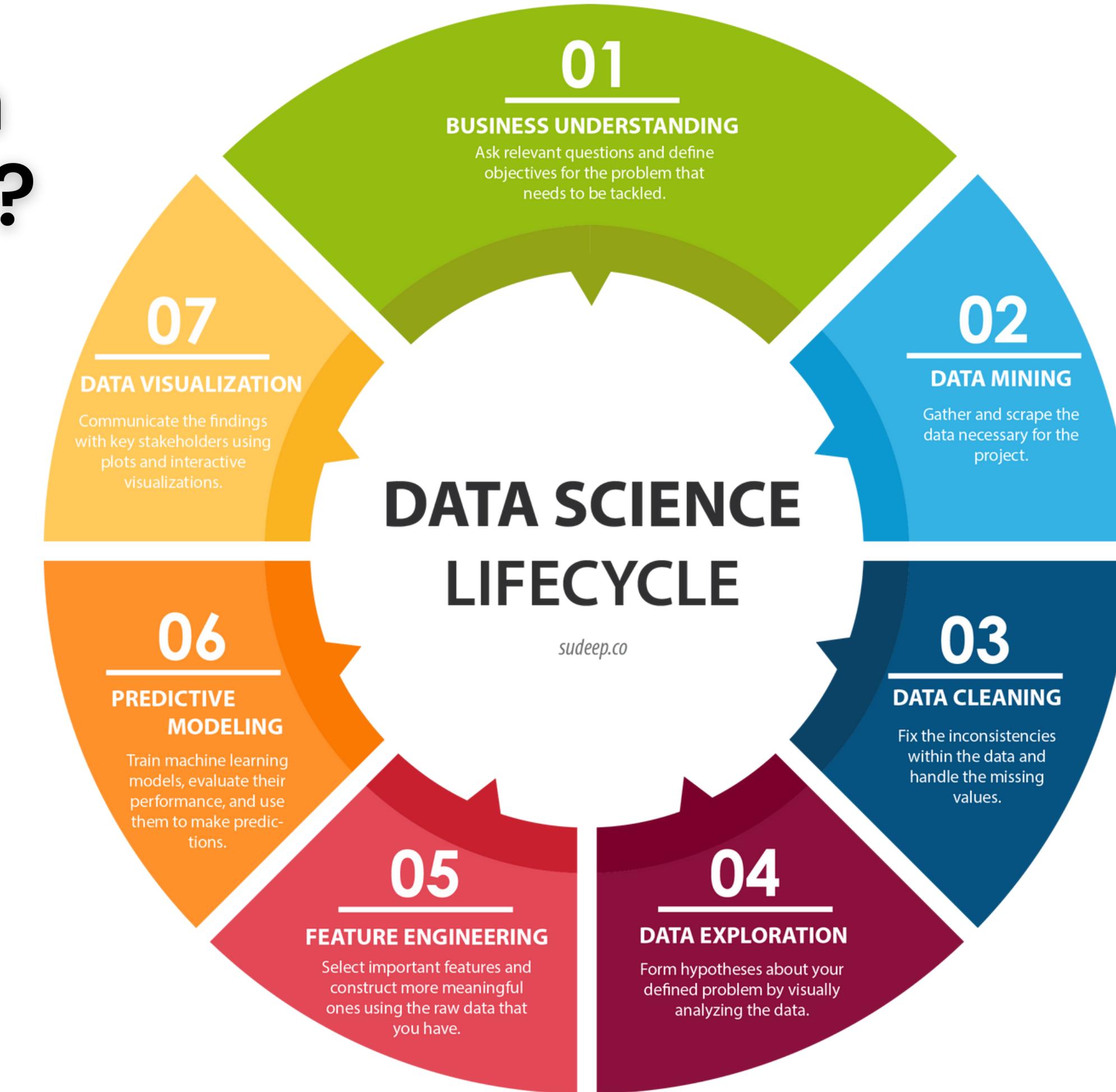


Why Data Science?

Data Growth



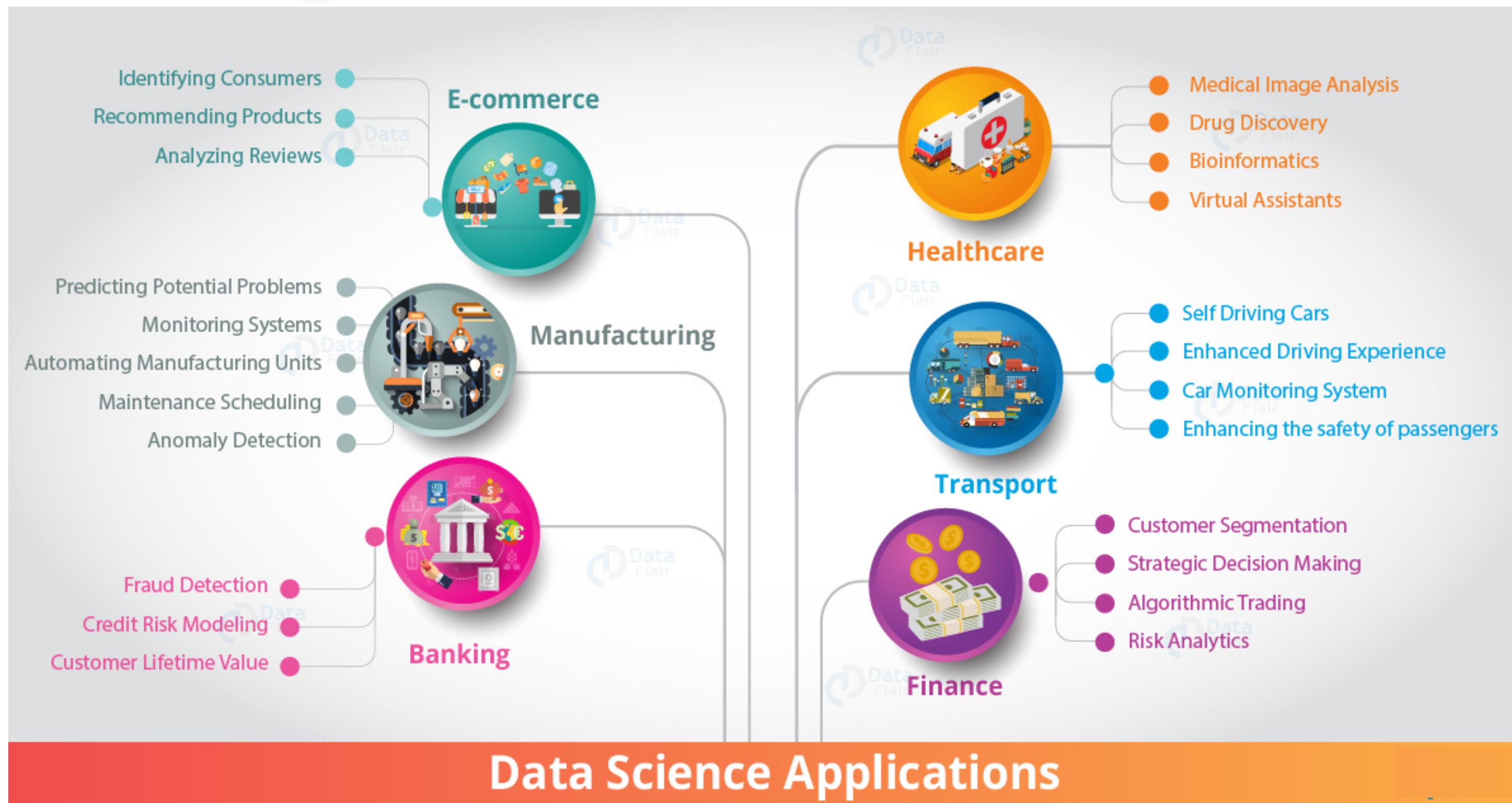
Role/Skills of a Data Scientist?



Benefits of Data Science for Business



Solving Problems with Data Science



Tools for Data Science

Artificial Intelligence	Database
  Caffe Deep Learning Framework  TensorFlow	 PostgreSQL
Programming	Big Data
 R-Project  python 	    

Pros and Cons of Data Scientist

Advantages

A

It's in Demand

Abundance of Positions

B

C

Highly Paid Career

Highly Prestigious

D

E

Versatile

Disadvantages

A

It is a Blurry Term

Mastering Data Science is near to impossible

B

C

Large amount of domain knowledge required

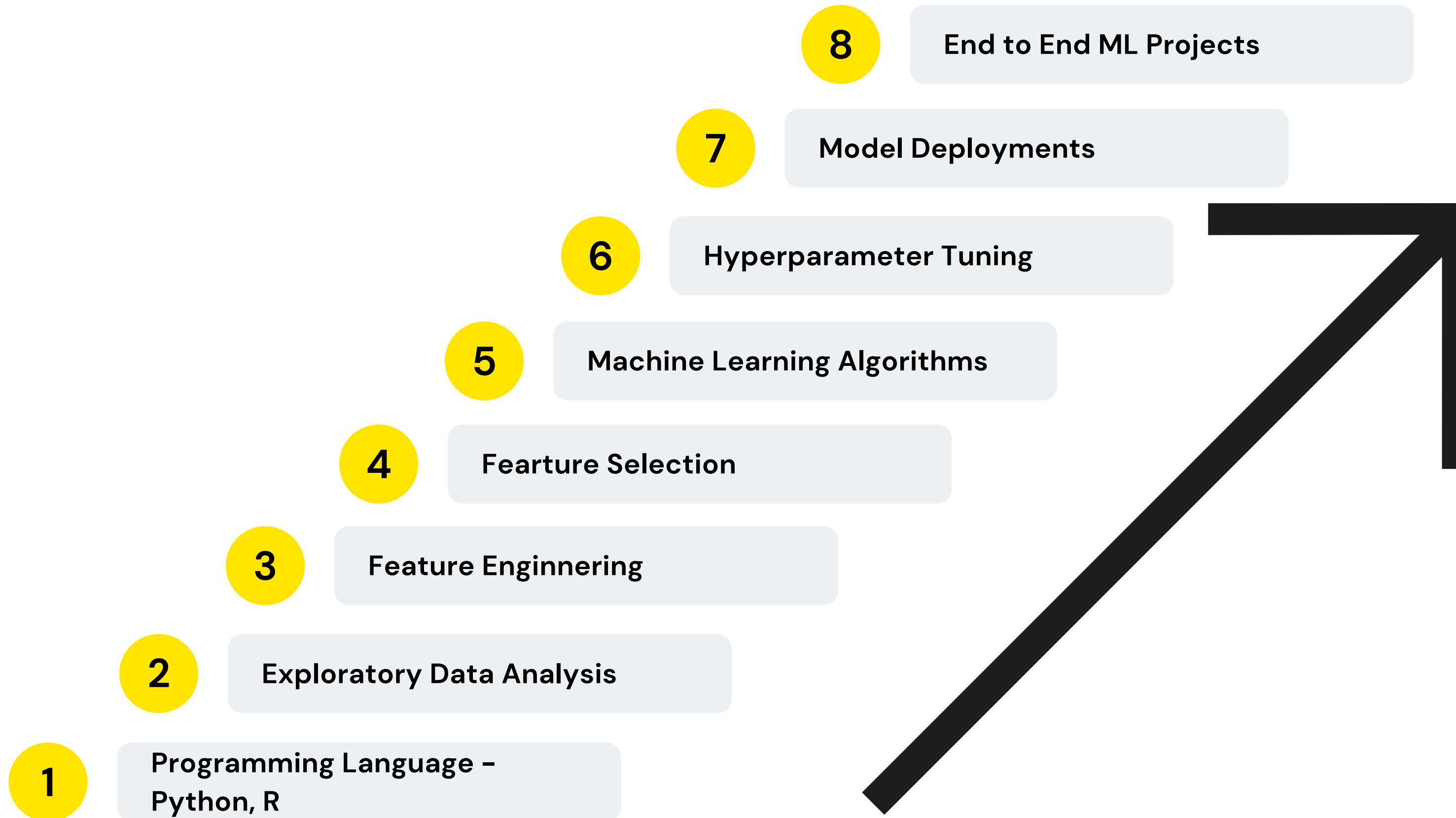
Arbitrary Data May Yield Unexpected Results

D

E

Problem of Data Privacy

Road Map for Machine Learning



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Best Python libraries for Machine Learning

- Numpy
- Pandas
- Matplotlib
- Seaborn
- Scikit-learn