



# DIVE INTO MACHINE LEARNING

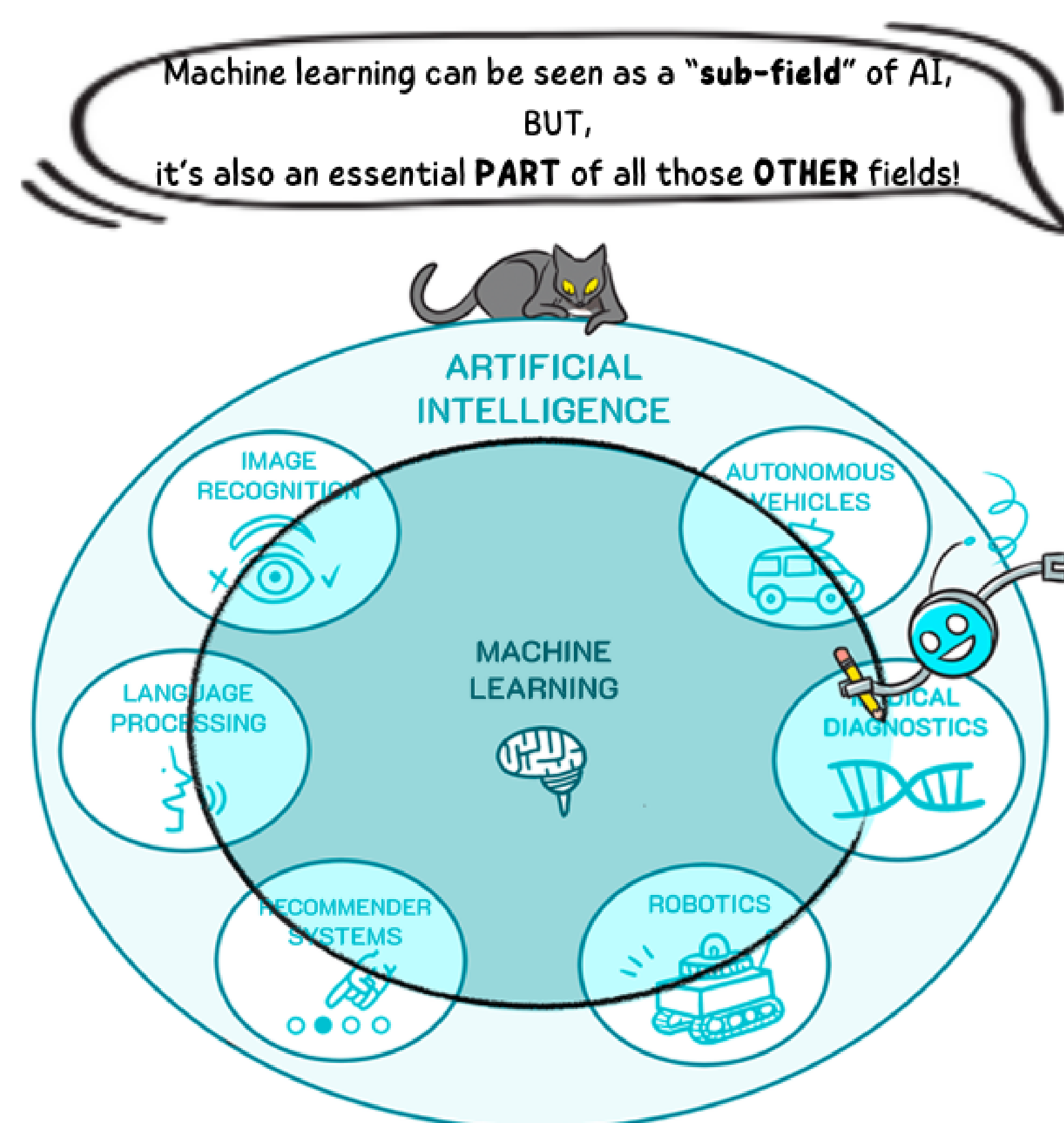
For 17-18 Years Old Students (University Bound)

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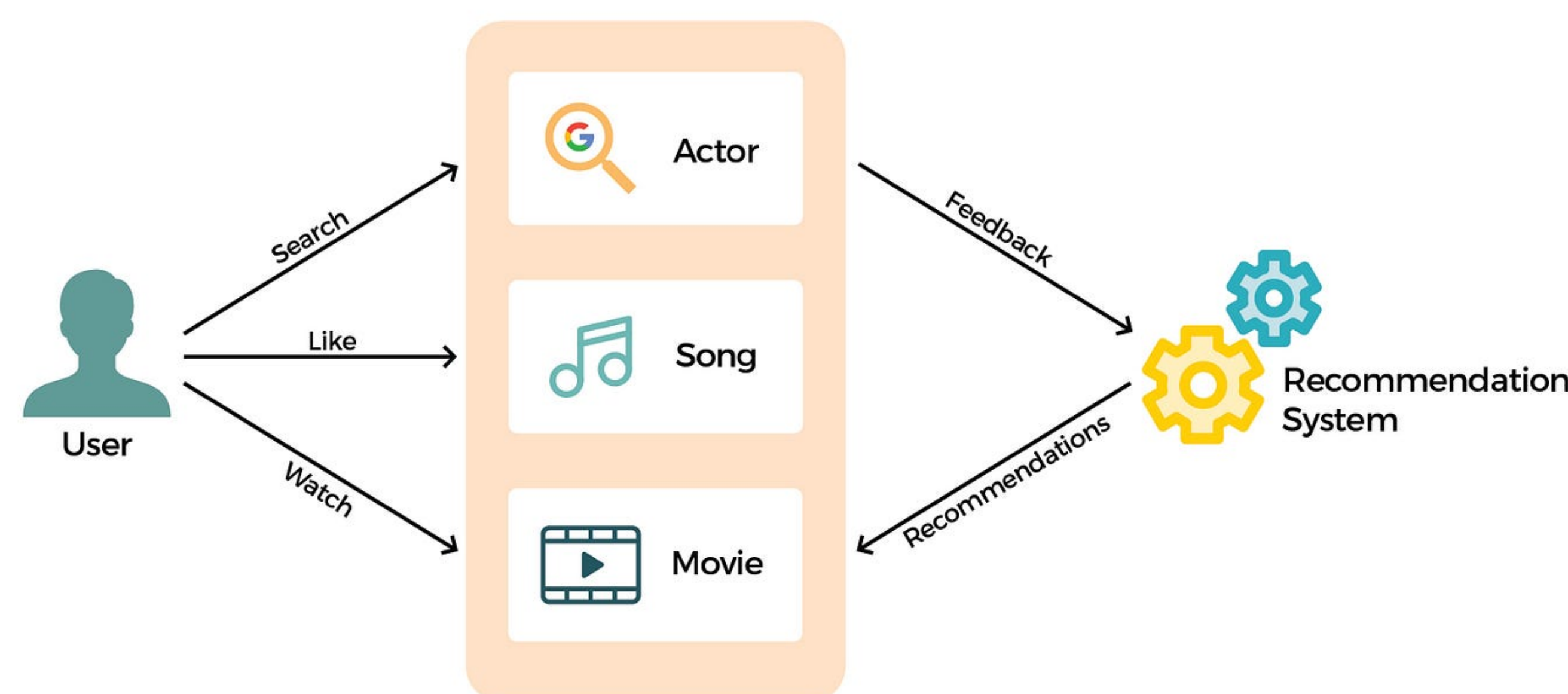


## Understanding of Machine Learning

As the name suggests, it enables a computer to learn like a human! So the computer can use data to uncover patterns and make predictions without explicit instructions!

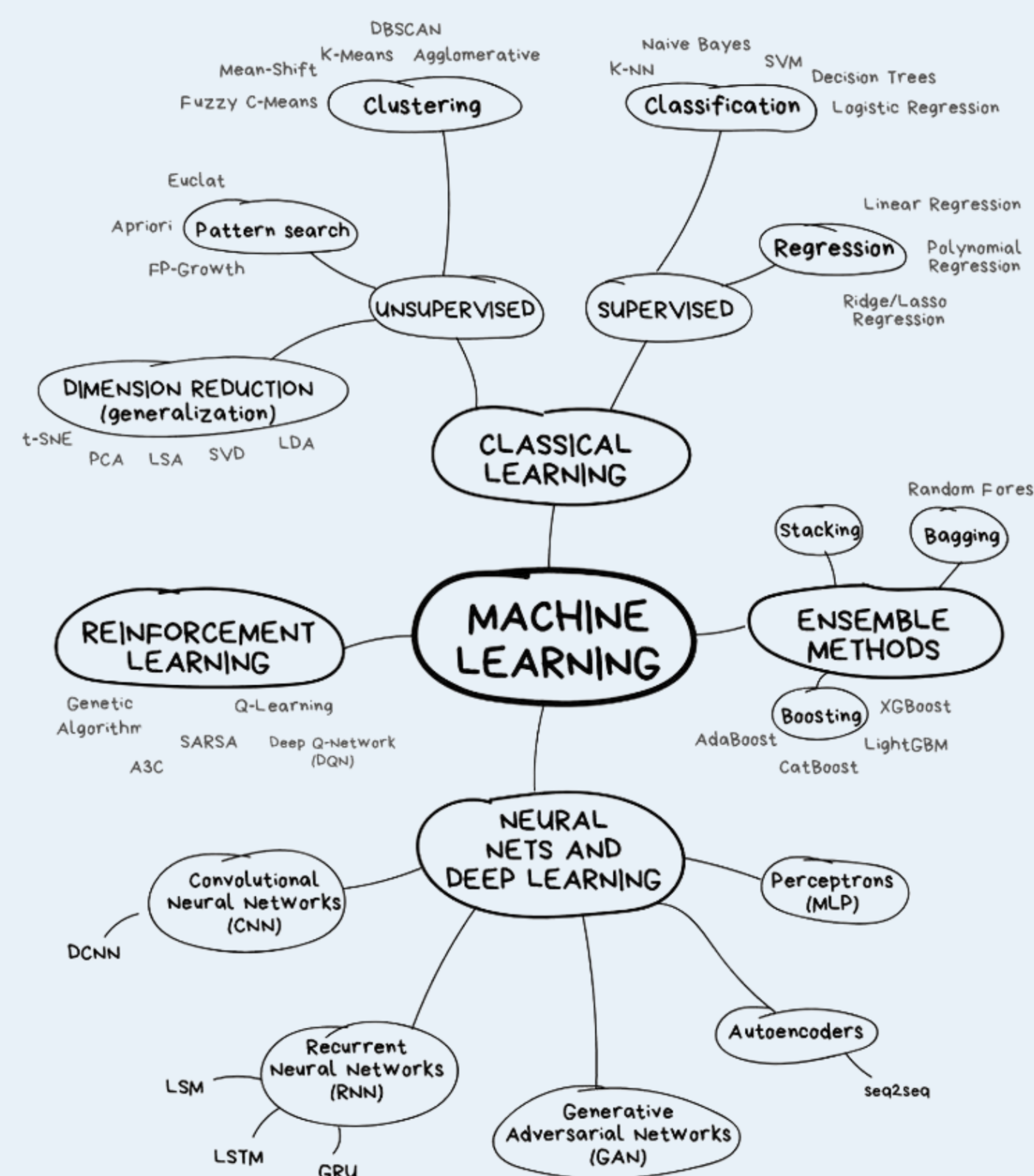


There are already many applications in real life: email spam filters, shopping recommendations, and even self-driving cars!



## Importance of Machine Learning

Imagine solving problems without tons of code! Machine learning uses data to train computers like powerful assistants. Think of it as building your own personalized problem-solving tools for the future!



From medicine to music, machine learning transforms our world! It helps doctors diagnose diseases, recommends perfect playlists, and even optimizes traffic flow. Discover how it improves efficiency, boosts quality of life, and drives innovations across various fields.

## Benefit of Machine Learning

While you might not be thoroughly familiar with machine learning, you're likely aware of J.A.R.V.I.S. from "Iron Man". J.A.R.V.I.S. demonstrates the application of machine learning in assisting with decision-making, processing information, and interacting with the environment. Once you grasp machine learning, you too can accomplish some of these functions!

It also stimulates creativity, as machine learning provides new ways to explore data. This ability encourages innovative thinking and can lead one to start thinking about how these new discoveries can be applied to solving real-world problems.

## Journey of Machine Learning

- **Websites:** Coursera, Google AI, edX, fast.ai ...
- **Books:**
  - "Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow" by Aurélien Géron
  - "Machine Learning for Absolute Beginners: A Plain English Introduction" by Oliver Theobald
  - "The Hundred-Page Machine Learning Book" by Andriy Burkov
- **Online forums:** Kaggle, TensorFlow Forum, Data Science Central, OpenAI Developer Forum ...

TRY. PRACTICE.  
THEN DIVE INTO IT!

