Intro to Machine Learning!

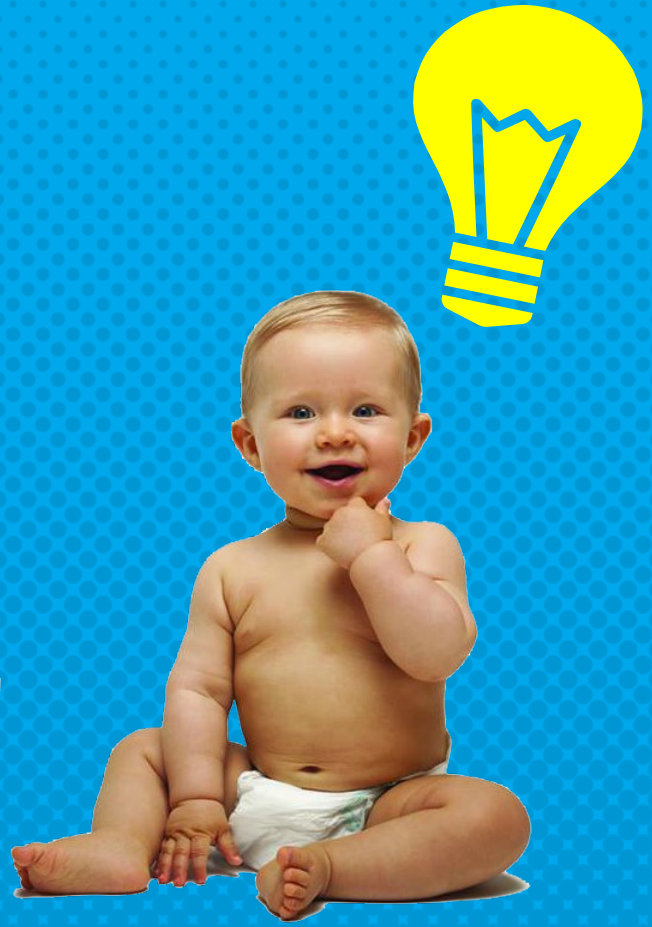
MACHINE LEARNING?

- A branch of artificial intelligence (AI) which focuses on the use of data and algorithms to imitate the way that humans learn, gradually improving its accuracy.

MACHINE LEARNING?

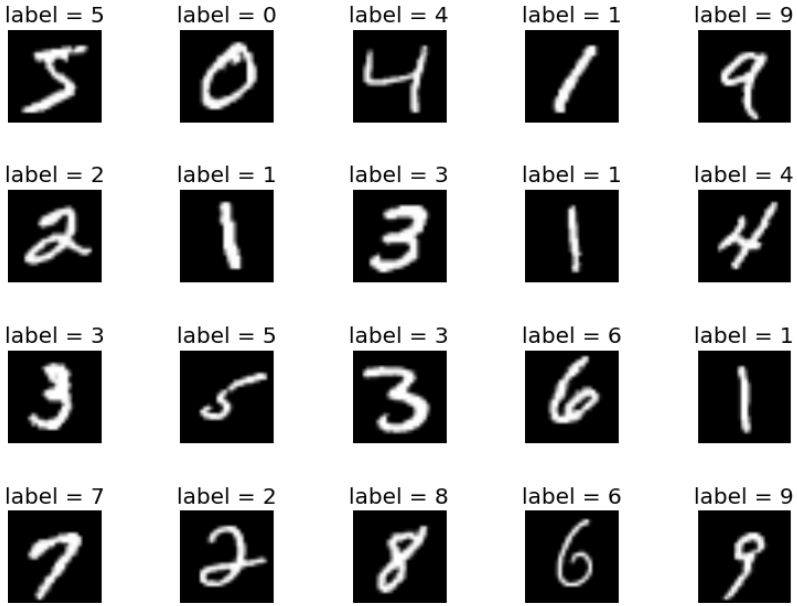
1. Supervised learning
2. Unsupervised learning
3. Self-supervised learning
4. Reinforcement learning
5. Etc.

SUPERVISED LEARNING



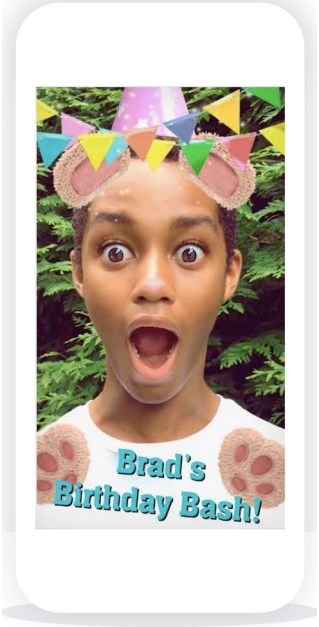
Classification & Regression

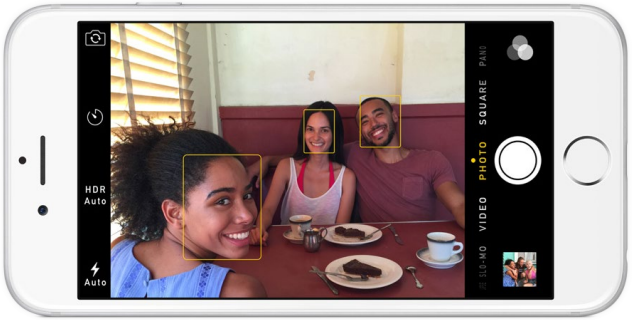
Can you name some examples of classification?



Examples of classification in technology: handwriting detection

Examples of classification in technology: spam filtering





Examples of classification in technology: face detection

Unsupervised Learning?

How can we group animals into categories based on their characteristics?

CLUSTERING

- Group objects (e.g., animals, customers) based on their characteristics
  - within each group are similar to each other
  - in different groups are different from each other

Can you name some examples of clustering?

MARKETING AND SALES

SPORTS SCIENCE

HEALTH INSURANCE

YOUR TURN...

- Go to https://teachablemachine.withgoogle.com/
- In partners follow the tutorial
- Answer the questions on your activity sheet