

Chapter outline

- 1. What is Machine Learning
- 2. Basic tools of Machine Learning



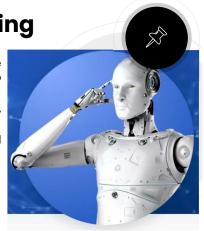
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1. What is machine learning

You'll find it hard to **describe** your friend's face accurately enough for another person to **recognize it** in a crowd.

But if you show him a few **photos** of your friend, he'll immediately see the **characteristic traits**.

As they say, "A picture is worth a thousand words".



1. What is machine learning (next)

Similarly, you don't become a **professional swimmer** by just being told **how to swim**.

The best way to learn is:

- to give some initial theoretical notions;
- then let the learner practice;
- and learn from his own experience and failures.

