

Cleaning up your twitter mess

Web application using machine
learning and Python

Milan Švehla

Individual assignments

- Understand principles of machine learning
- Learn basics of Python
- Make a working application out of that

Individual assignments

- ✓ Understand principles of machine learning
- ✓ Learn basics of Python
- ✓ Make a working application out of that

So what's machine learning

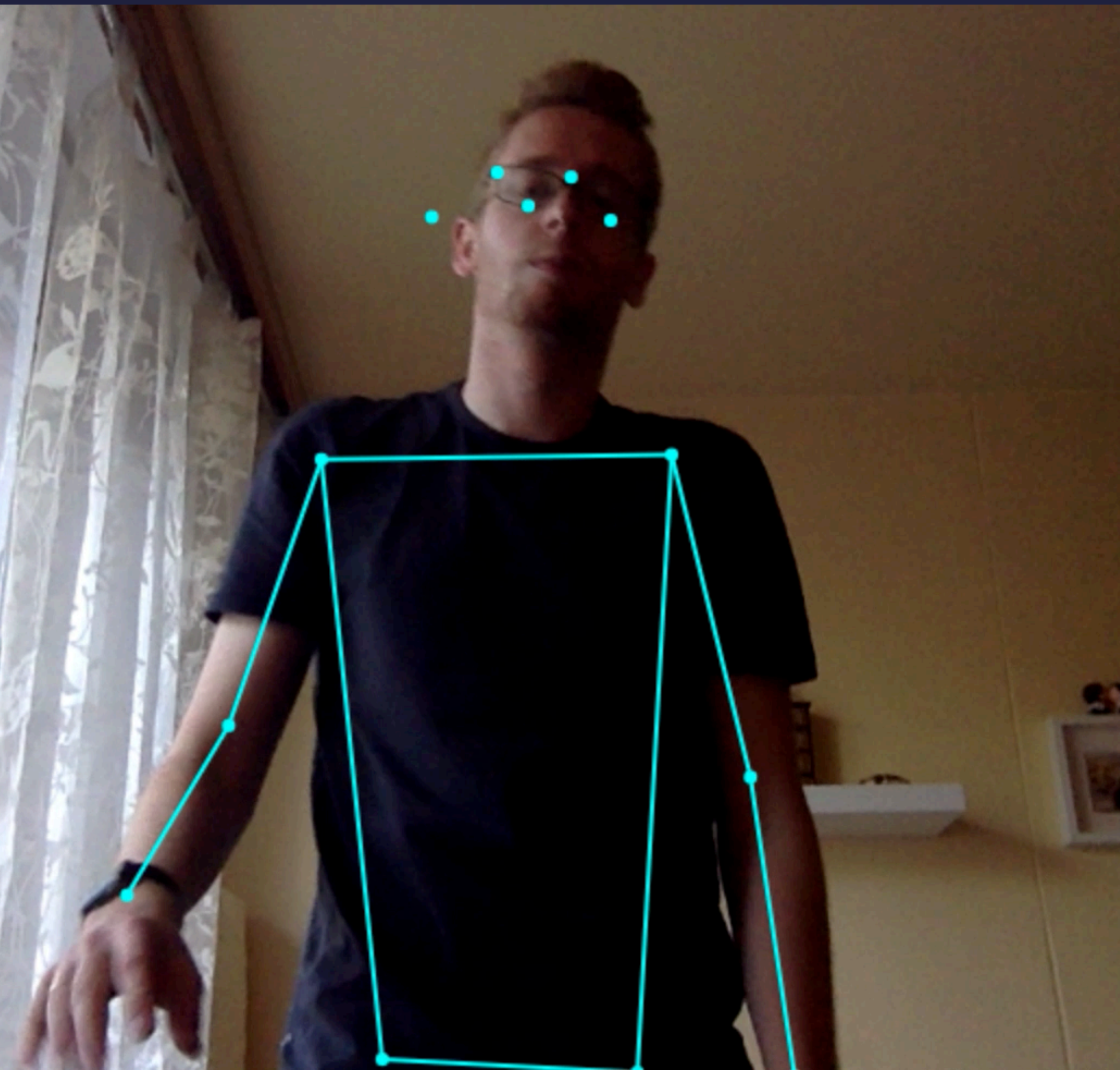
When computers can perform tasks without using explicit instructions, relying on patterns and inference.

Algorithms that build a mathematical model based on training data

Used to perform tasks (e. g. email filtering, computer vision) where algorithms with specific instructions won't work


Source: https://en.wikipedia.org/wiki/Machine_learning

Searching for the result




LEARNING

INPUT



61 EXAMPLES

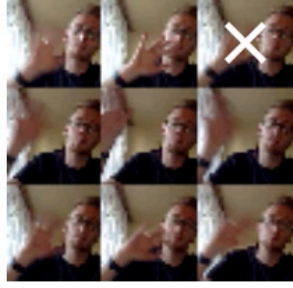


CONFIDENCE

99%

TRAIN GREEN

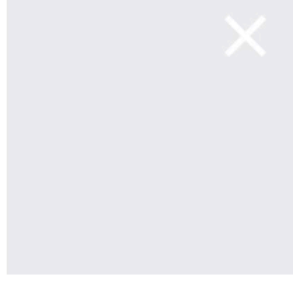
68 EXAMPLES



CONFIDENCE

TRAIN PURPLE

0 EXAMPLES





CONFIDENCE

TRAIN ORANGE

OUTPUT

[GIF](#) Sound Speech



The toxicity of your twitter feed

I've build a web app improving time spent online
analysing tweets of user's twitter friends and
determining the toxicity of their language

<https://twitter-toxicity.milansvehla.com/>