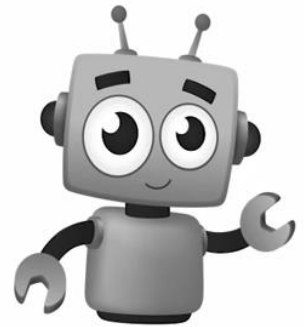
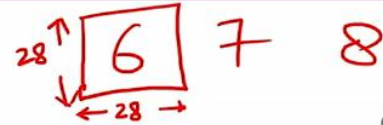


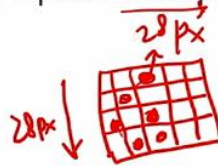
WHAT IS MNIST?

classification =



- Set of 70,000 small images of digits handwritten by high school students and employees of the US Census Bureau
- All images are labelled with the respective digit they represent
- MNIST is the hello world of machine learning
- There are 70,000 images, and each image has 784 features.
- Each image is 28×28 pixels, and each feature simply represents one pixel's intensity, from 0 (white) to 255 (black).

$$\begin{array}{r} 628 \\ \times 28 \\ \hline 224 \\ 56 \\ \hline 784 \end{array}$$



AGENDA

- In the last videos we saw how to solve an ML problem end to end
- In this video we will first fetch the data and then split it into train and test sets
- After that we will apply few ML algorithms to detect a given digit

