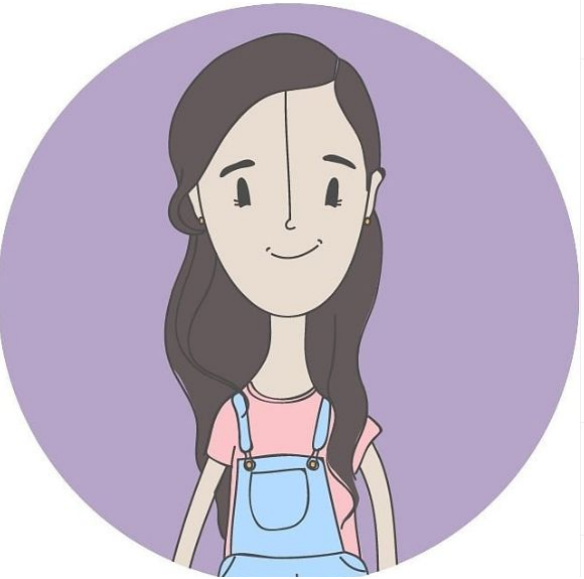


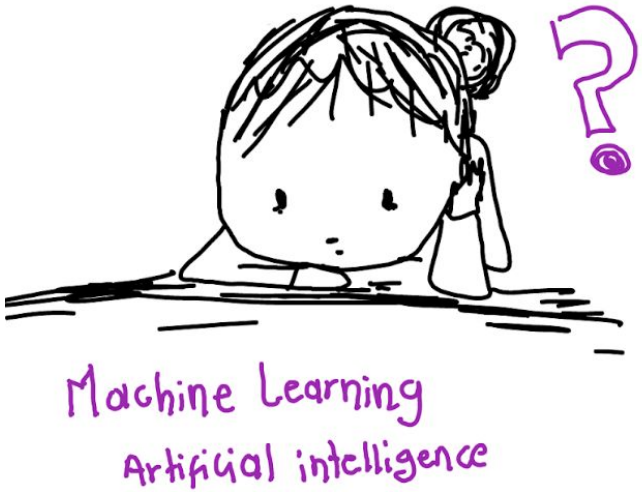
Maris Botero

🚀 Data scientist,
@DataScienceFEM | @pyladiesmed

Introduction to Machine Learning and Tensorflow

Women Techmakers
International Women's Day

What is Artificial intelligence?🧐



What is Machine Learning?🧐

What is this topic about?

💙

Traditional Software Development

The input and the algorithm is known, and you write a function to produce an output

- Input data
- Apply logic to it
- Which produces a result

💙

Machine Learning

You know the input and the output, but you don't know the algorithm that creates the output given the input

- Take pairs of input and output data
- Figure out the algorithm

What is Machine Learning?🧐

Introduction😎

Input: 0, 8, 15, 22

Output: 32, 46.4, 59, 71.6

Input: 0, 8, 15, 22, 38

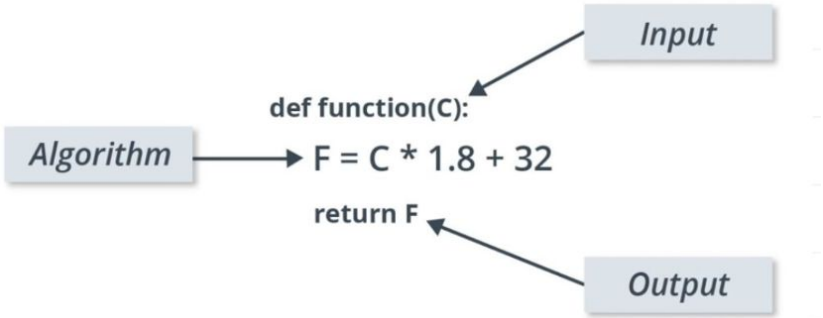
Output: 32, 46.4, 59, 71.6, ?

What is this topic about?🧐

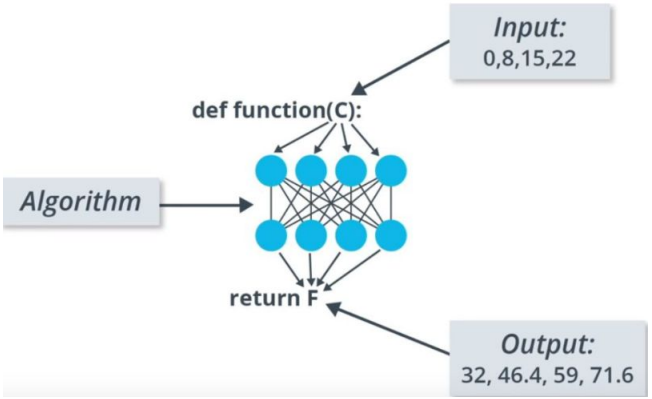
$$F = C * 1.8 + 32$$

F = *Fahrenheit*
C = *Celsius*

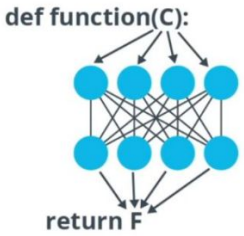
What is an algorithm?



What is a model?

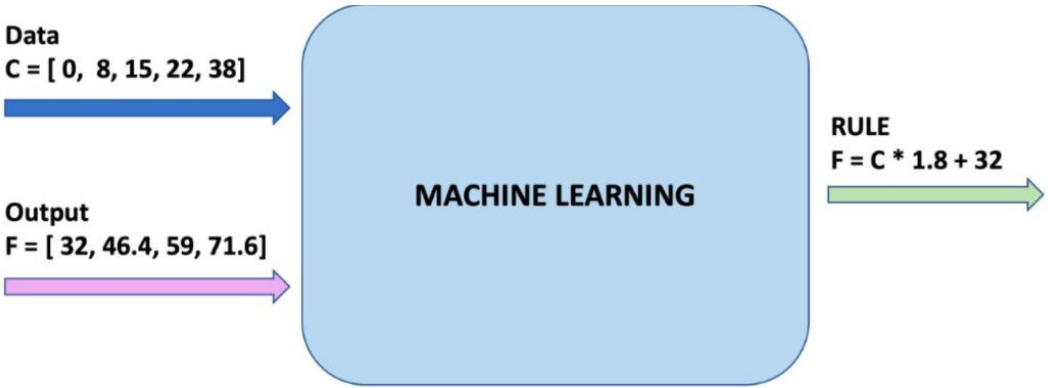


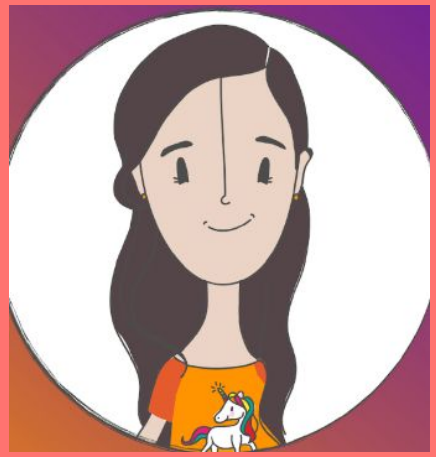
What is a model?



Input:	0,	8,	15,	22,	38
Output:	32,	46.4,	59,	71.6,	100.4

What is this topic about?



Tensorflow

Thank you 🦄