



## 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, ?



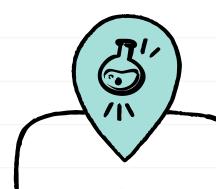
## WHAT IS THIS TOPIC ABOUT?



F = C \* 1.8 + 32

F = Fahrenheit C = Celsius





#### 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

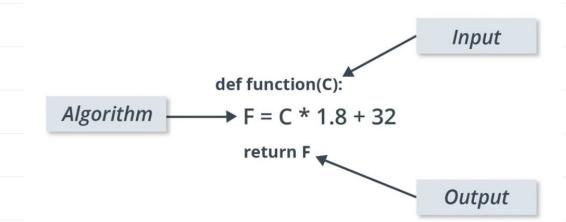


#### **Machine Learning**

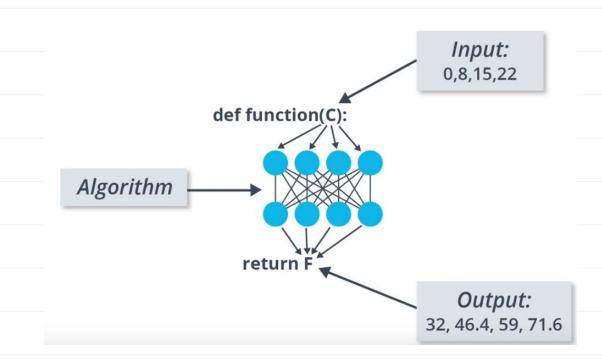
You know the input and the output, but you don't know the algorithm that creates the output given the input

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

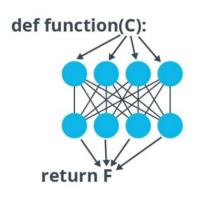


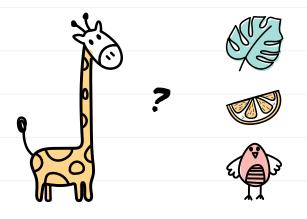






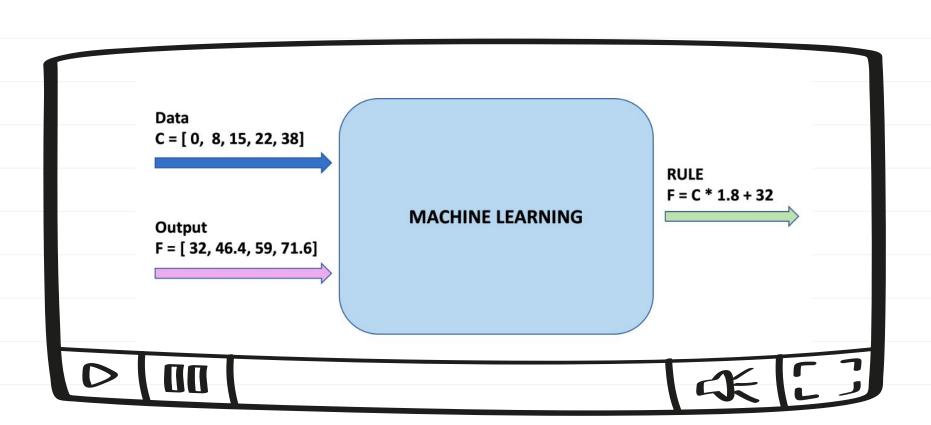






Input: 0, 8, 15, 22, 38

Output: 32, 46.4, 59, 71.6, 100.4



### RESOURCES

Intro to TensorFlow for Deep Learning

https://classroom.udacity.com/cours es/ud187

Tensorflow <a href="https://www.tensorflow.org/">https://www.tensorflow.org/</a>

Google Developers

https://developers.google.com/mac hine-learning/crash-course/ml-intro



# THANK YOU =)

