Monday, 13 February, 2023 7:24 PM

-> In traditional development

Known: Input, Algorithm / formula

Unknown: Output.

Example:

def(C): $f = C * (9/5) + 32 \longrightarrow RULE$ neturn f

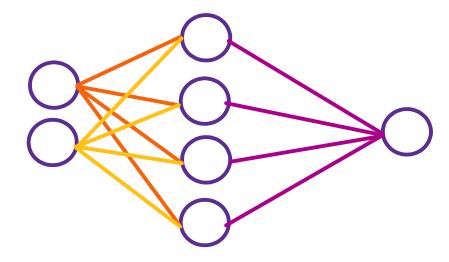
> 9m AI/ML/OL:

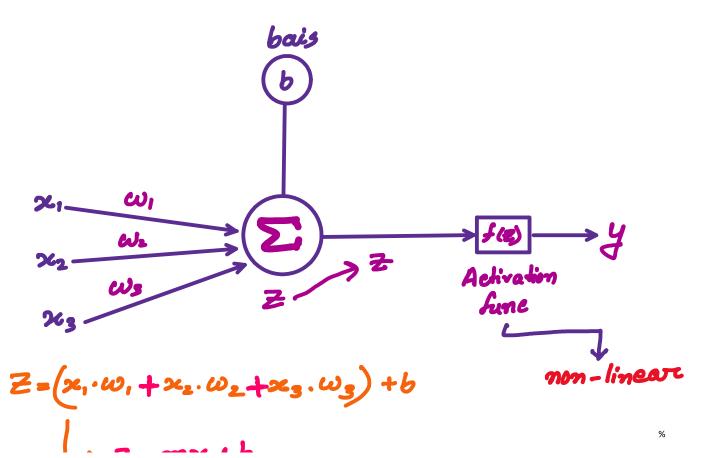
Known: Input, Output

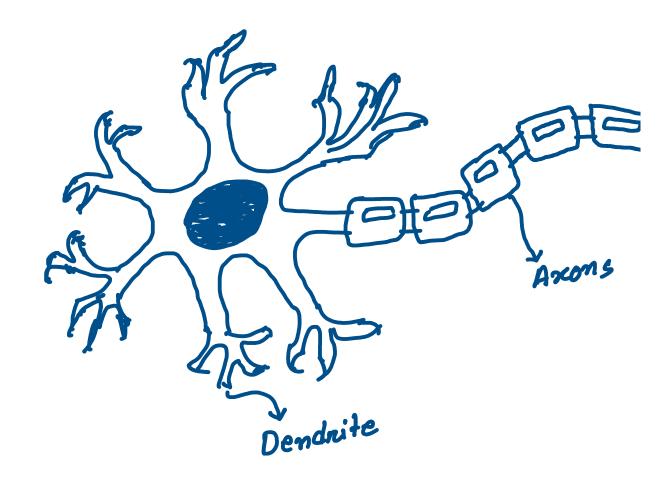
Unknown: Algorithm / formula / pattern

OneNote

> Neural Network:







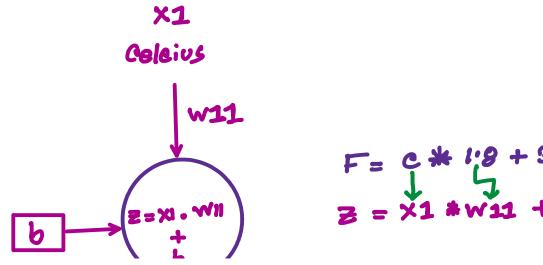
Lets Know Weights and Bias

Single layer:

nom of neurons

10 = {f. Keras.layers. Dense (units=1, input_shape = [1])

single value input



- > zons initialization -> wl4] = np. nandom.
- * Random Initialization → w[1] = np. random. 1
- Xavier initialization → wE< = np.nandom
 </p>

OneNote

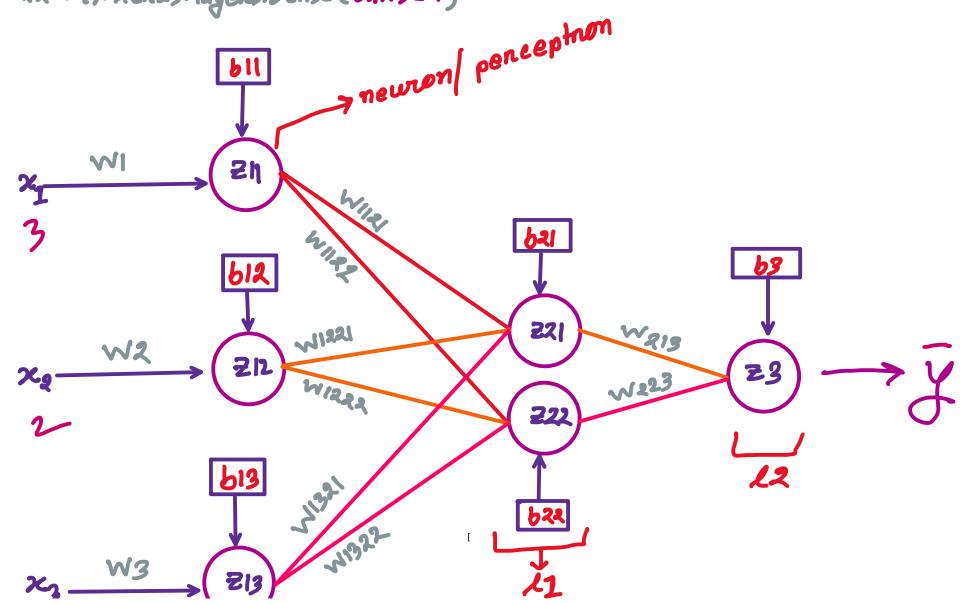


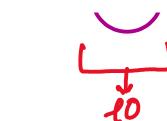
3 - layers:

10 = (f. Kenas. byens. Dense (units= 3, input_shape=[17])

11 = tf. Kenas · layers · Dense (units = 2)

12 = tf. Kenas. layers. Dense (units = 1)



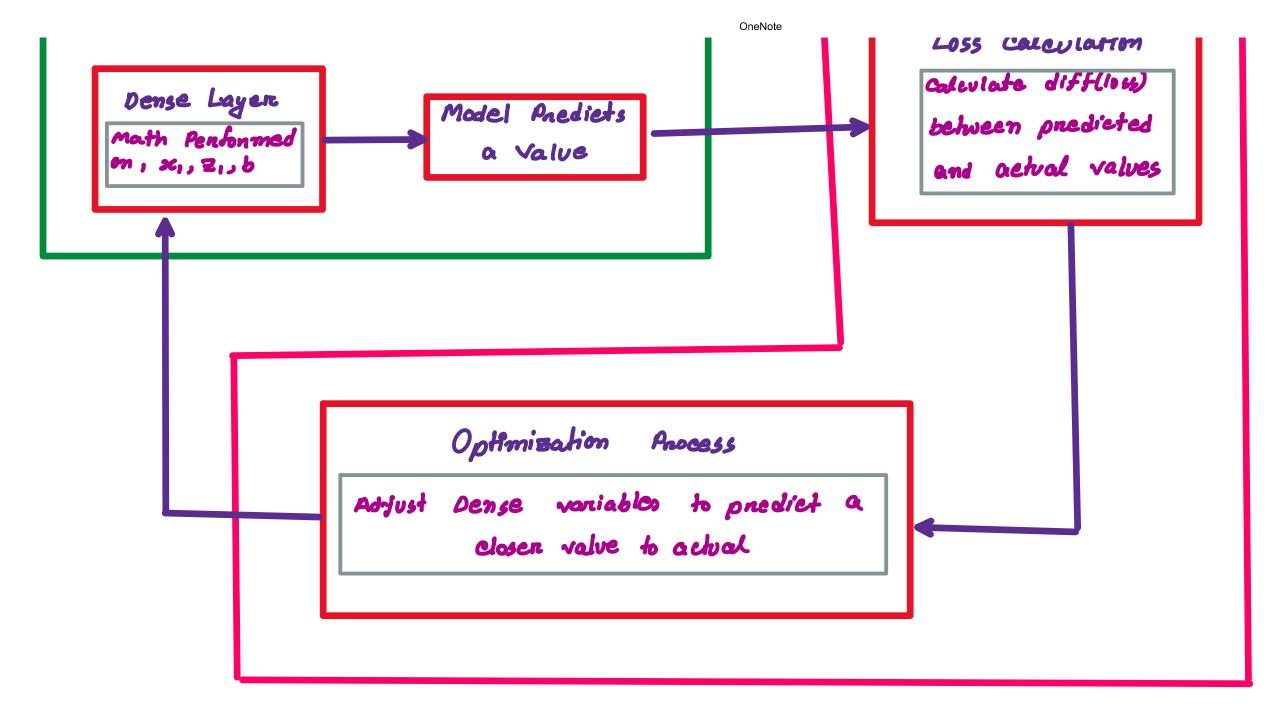


$$\geq 19 = \times_3 \cdot W3 + b13$$

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Foreward Pass





monai, pyoneh

OneNote