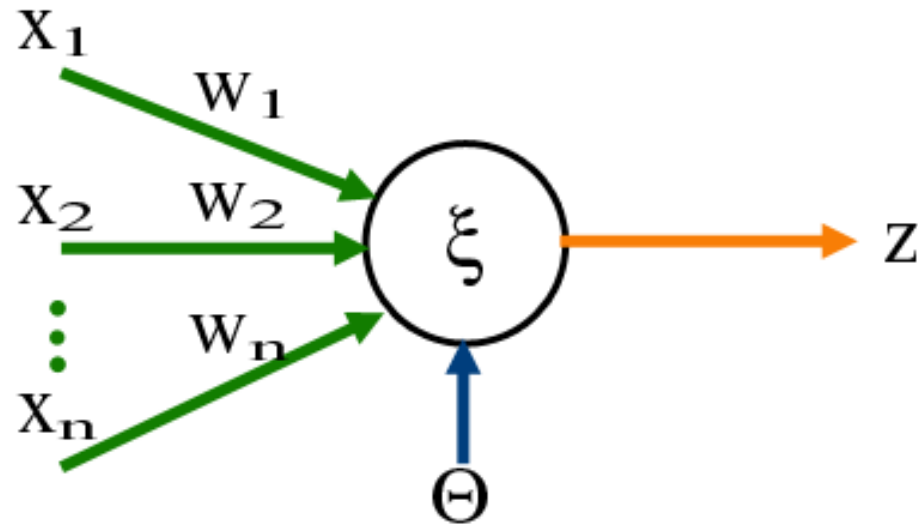




Image normalization for ML processing

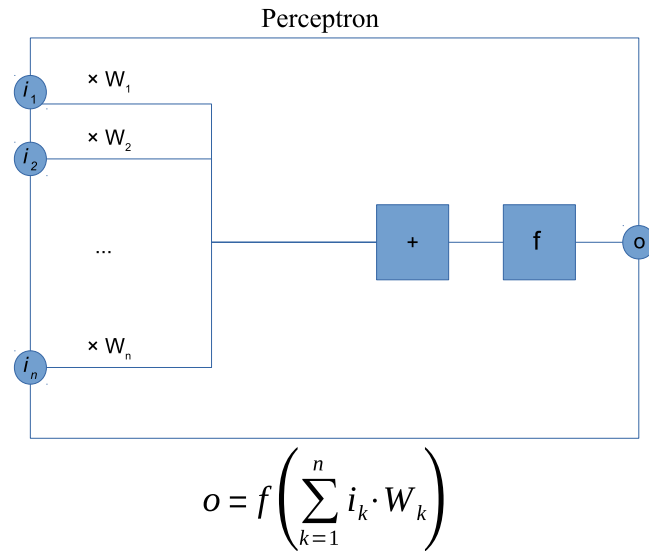
by @pospanet

Perceptron



- x ... input
- w ... weight
- θ ... Bias

Perceptron



- X ... input
- W ... weight
- f ... activation function
- O ... output

Why image normalization

- Data “distance” is too small not using whole spectrum
- Can you guess what is on the picture on the right?
- Noisy information



Original image



Normalized (for humans)



Original image



**Normalized image (for
computer visio)**



Python demo

By Jupyter notebook