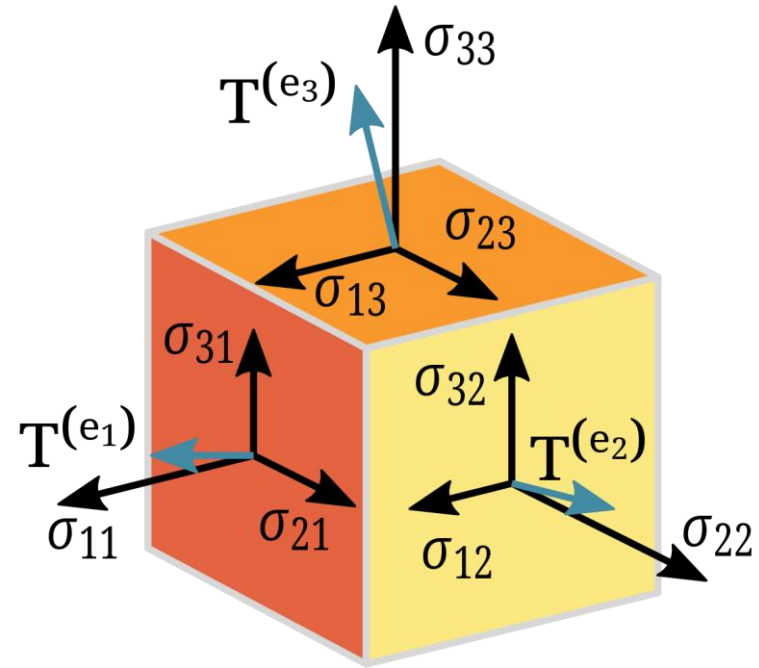


- Vektör
- Matris
- Tensör
- CIFAR10



TensorFlow



Derin Öğrenmeye Giriş



Scalar

1

Vector

$$\begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$$

or

$$\begin{bmatrix} 1 & 2 & 3 \end{bmatrix}$$

Matrix

$$\begin{bmatrix} 1 & 2 \\ 3 & 4 \\ 5 & 6 \end{bmatrix}$$

Tensor

$$\begin{bmatrix} \begin{bmatrix} 1 & 2 \end{bmatrix} & \begin{bmatrix} 3 & 4 \end{bmatrix} \\ \begin{bmatrix} 5 & 6 \end{bmatrix} & \begin{bmatrix} 7 & 8 \end{bmatrix} \\ \begin{bmatrix} 9 & 0 \end{bmatrix} & \begin{bmatrix} 1 & 2 \end{bmatrix} \end{bmatrix}$$

Derin Öğrenmeye Giriş



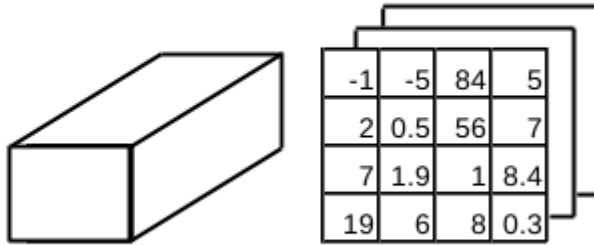
Vector
(1D Tensor)

-1
2
7
19
-5
0.5
1.9

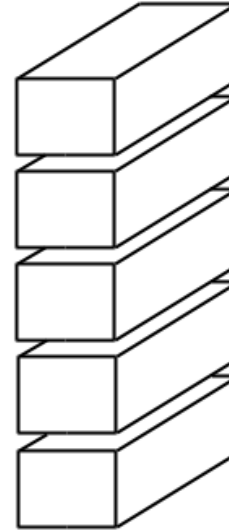
Matrix
(2D Tensor)

-1	-5	84	5
2	0.5	56	7
7	1.9	1	8.4
19	6	8	0.3

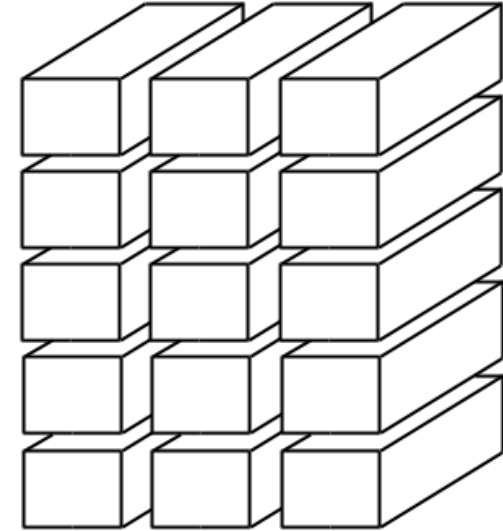
Matrixes
(3D Tensor)



Vector of Matrixes
(4D Tensor)



Matrix of Matrixes
(5D Tensor)



<https://stackoverflow.com/questions/63986495/tensor-product-in-python>

Derin Öğrenmeye Giriş

K

airplane



automobile



bird



cat



deer



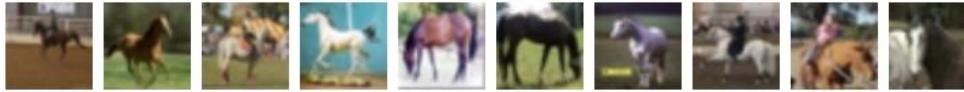
dog



frog



horse



ship



truck



Derin Öğrenmeye Giriş



- İnternet Sitem: <http://gorselanaliz.com/>
- Github: <https://github.com/grboguz>
- Udemy: <https://www.udemy.com/user/oguzhan-gurbuz/>
- LinkedIn: <https://tr.linkedin.com/in/o%C4%9Fuzhan-g%C3%BCrb%C3%BCz-4780481a6>
- Discord: <https://discord.gg/YW6mdcMnFF>
- Youtube: <https://www.youtube.com/channel/UCDZkYlIZMT5EWwLr1wCHFSA>