

Deep Learning

Redes Neuronales con TensorFlow

Agosto 31

Tensores

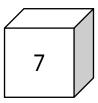
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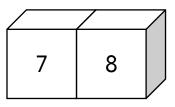
- Tensores
- Código en TensorFlow
 - Indexación

scalar = tf.constant(7)



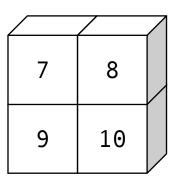


vector = tf.constant([7,8])

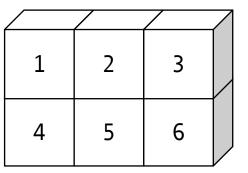


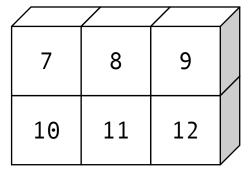


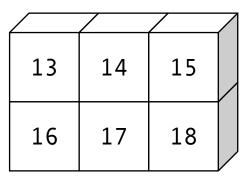
```
matrix = tf.constant([[7, 8], [9, 10]])
```













tf.constant(numpy_arange(1,61), shape=(3,4,5))

1	2	3	4	5	
6	7	8	9	10	
11	12	13	14	15	
16	17	18	19	20	

					/
21	22	23	24	25	
26	27	28	29	30	
31	32	33	34	35	
36	37	38	39	40	

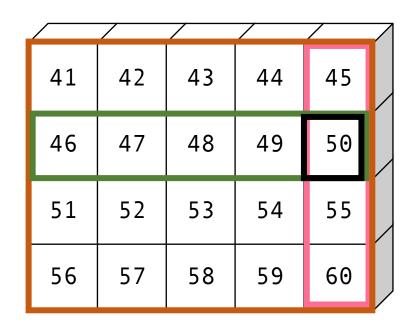
					7
41	42	43	44	45	
46	47	48	49	50	
51	52	53	54	55	
56	57	58	59	60	



E = tf.constant(numpy_arange(1,61), shape=(3,4,5))

1	2	3	4	5	
6	7	8	9	10	
11	12	13	14	15	
16	17	18	19	20	

21	22	23	24	25	
26	27	28	29	30	
31	32	33	34	35	
36	37	38	39	40	



- >> E[:2]
- >> E[:2, :2]
- >> E[:2, :2, :2]

- >> E[2]
- >> E[2, 1]
- >> E[2, 1, -1]

Referencias

■ Foto de portada: Joshua Hoehne

GRACIAS

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