

Chapter. 06

Numpy

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I Numpy

Numpy: 수학, 과학 계산용 패키지

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I Numpy

import numpy as np

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Larray (배열)

array (배열): 여러 값들의 그룹

1	2	3	4	

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

1차원 배열

2차원 배열

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larray (배열)

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1차원 배열

numpy.array([1, 2, 3, 4])

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

2차원 배열

numpy.array([1, 2, 3, 4],

[5, 6, 7, 8], [9, 10, 11,

12],

[13, 14, 15,

16]])

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Indarray

ndarray n dimension array

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Indarray

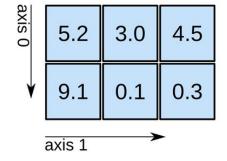
1D array

7 2 9 10

axis 0

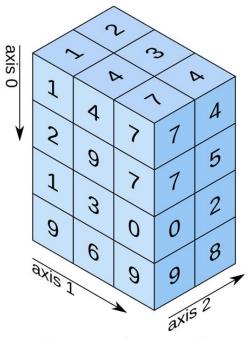
shape: (4,)

2D array



shape: (2, 3)

3D array



shape: (4, 3, 2)

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Ishape

ndarray에서 shape과 axis 개념은 반드시 알고 넘어가세요

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강사



Ishape

shape (차원)

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Ishape

shape은 차원의 수를 확인

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Iaxis

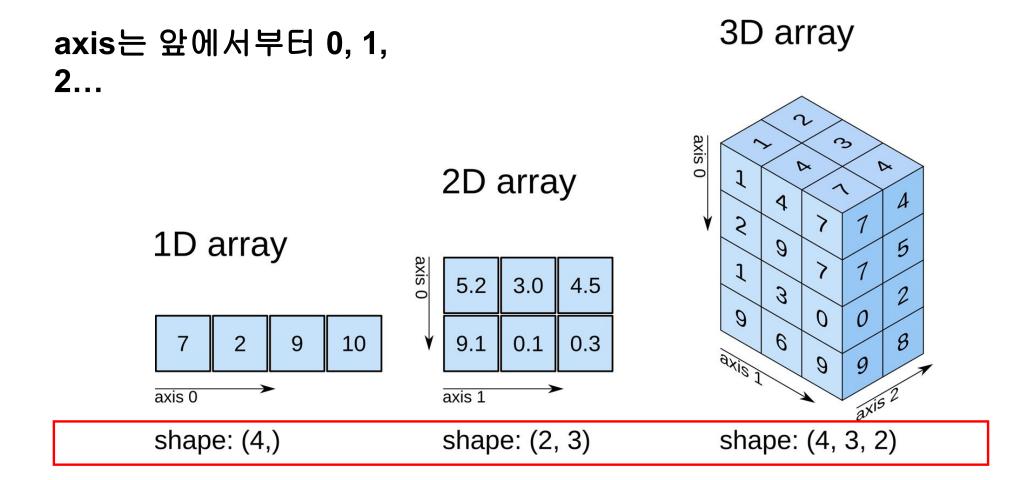
axis는 기준이 되는



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I shape & axis



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