numpy2D

October 17, 2019

[6]:
```
import numpy as np
a=[[11,13,15],[17,19,21],[1,3,5]]
A=np.array(a)
A
```

[6]:
```
array([[11, 13, 15],
       [17, 19, 21],
       [ 1,  3,  5]])
```

[8]:
```
type(A)
```

[8]:
```
numpy.ndarray
```

[9]:
```
A.ndim
```

[9]:
```
2
```

[10]:
```
A.shape
```

[10]:
```
(3, 3)
```

[11]:
```
A.size
```

[11]:
```
9
```

[13]:
```
x=np.array([[1,0],[2,3]])
y=np.array([[3,1],[2,2]])
z=x+y
z
```

[13]:
```
array([[4, 1],
       [4, 5]])
```

[14]:
```
e=x*y
e
```

[14]:
```
array([[3, 0],
       [4, 6]])
```

[16]:
```
A=np.array([[1,3,5],[1,1,1]])
B=np.array([[1,1],[2,1],[2,2]])
C=np.dot(A,B)
C
```

[16]:
```
array([[17, 14],
       [ 5,  4]])
```

[ ]:
```

```