

StandardizationNormalization.py

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```
In [6]: data = [  
        [0,0],[0,0],  
        [1,1],[1,1]  
    ]  
    data
```

```
Out[6]: [[0, 0], [0, 0], [1, 1], [1, 1]]
```

```
In [4]: from sklearn.preprocessing import StandardScaler  
        StandardScaler().fit_transform(data)
```

```
Out[4]: array([[ -1.,  -1.],  
               [ -1.,  -1.],  
               [  1.,   1.],  
               [  1.,   1.]])
```

```
In [7]: from sklearn import preprocessing  
        preprocessing.normalize(data, norm='l2')
```

```
Out[7]: array([[ 0.          ,  0.          ],  
               [ 0.          ,  0.          ],  
               [ 0.70710678,  0.70710678],  
               [ 0.70710678,  0.70710678]])
```