**numpy.linspace**

**numpy.linspace(***start***,***stop***,***num=50***,***endpoint=True***,***retstep=False***,***dtype=None***)**

Return evenly spaced numbers over a specified interval.

Returns *num* evenly spaced samples, calculated over the interval [*start*, *stop*].

**Flatten()**

**>>>** a = np.array([[1,2], [3,4]])

**>>>** a.flatten()

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

**>>>** a.flatten('F')

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

Linear Classifier: Support Vector Machines

Feature Vector Class Value

X -> [f] -> y

F