

```
In [2]: import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline

In [3]: numpyDizisi1 = np.linspace(0,10,20)

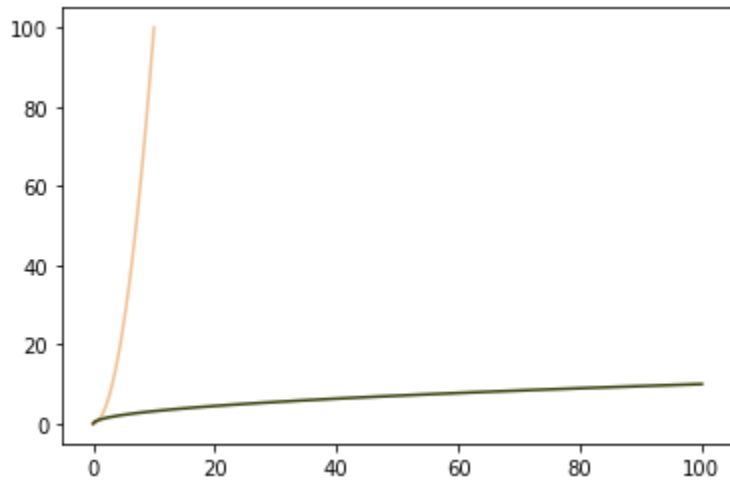
In [4]: numpyDizisi1

Out[4]: array([ 0.          ,  0.52631579,  1.05263158,  1.57894737,  2.10526316,
 2.63157895,  3.15789474,  3.68421053,  4.21052632,  4.73684211,
 5.26315789,  5.78947368,  6.31578947,  6.84210526,  7.36842105,
 7.89473684,  8.42105263,  8.94736842,  9.47368421, 10.          ])

In [5]: numpyDizisi2 = numpyDizisi1 ** 2

In [6]: (benimFigur, benimEksen) = plt.subplots()
benimEksen.plot(numpyDizisi1, numpyDizisi2, "#E1842D", alpha=0.5)
benimEksen.plot(numpyDizisi2, numpyDizisi1, "#3A410E")
```

Out[6]: [

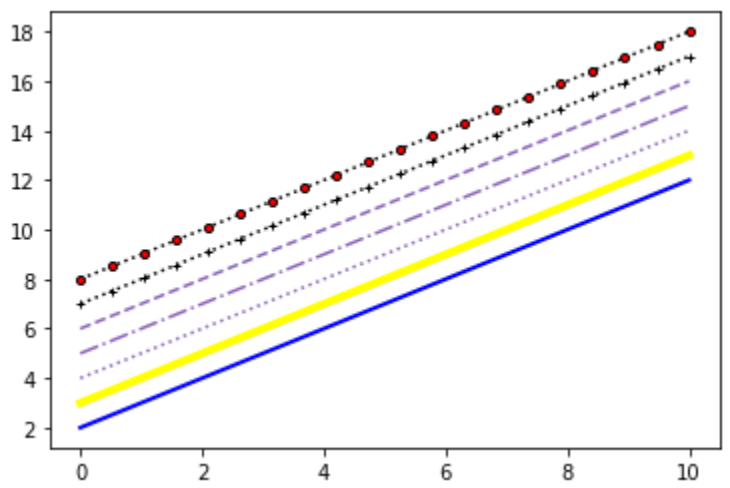


```
In [7]: (yeniFigur, yeniEksen) = plt.subplots()
yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 2, color = 'blue', linewidth = 2.0)
yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 3, color = 'yellow', linewidth = 4.0)

yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 4, color = '#8B66BA', linestyle = ":")
yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 5, color = '#8B66BA', linestyle = "-.")
yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 6, color = '#8B66BA', linestyle = "- -")

yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 7, color = '#000000', linestyle = ":", marker = "+", markersize= 4, markerfacecolor="red")
yeniEksen.plot(numpyDizisi1, numpyDizisi1 + 8, color = '#000000', linestyle = ":", marker = "o", markersize= 4, markerfacecolor="red")

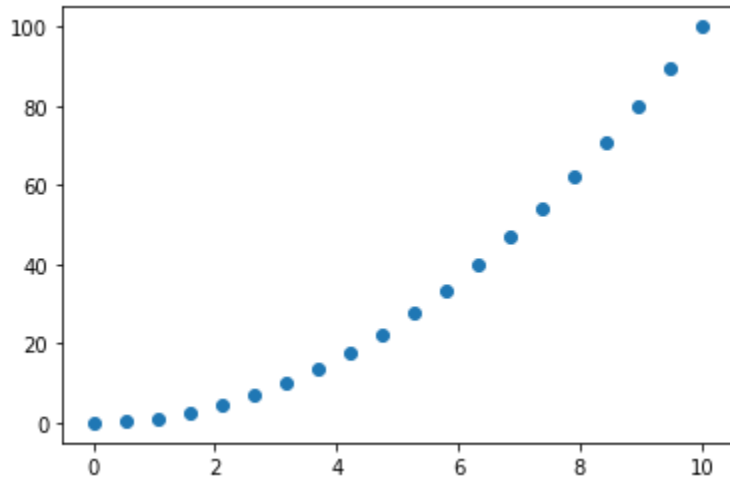
Out[7]: [
```



scatter

```
In [8]: plt.scatter(numpyDizisi1,numpyDizisi2)
```

Out[8]: <matplotlib.collections.PathCollection at 0x1ed2790e8b0>



histogram

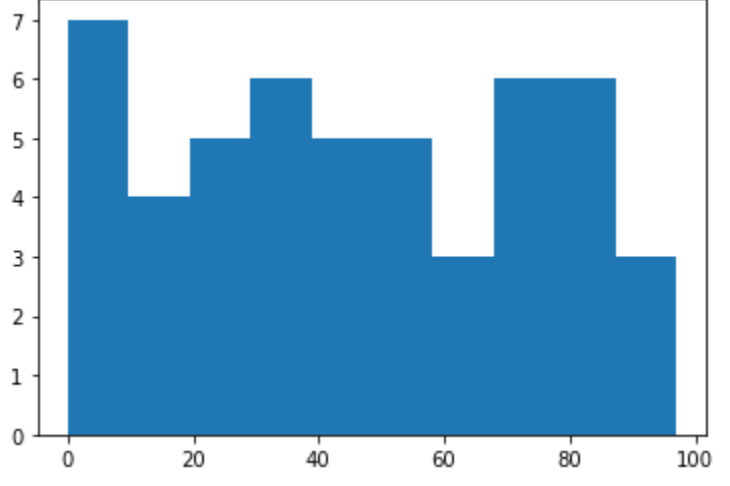
```
In [9]: yeniDizi = np.random.randint(0,100,50)
```

```
In [10]: yeniDizi
```

Out[10]: array([21, 35, 3, 29, 11, 50, 14, 75, 5, 7, 14, 31, 42, 50, 90, 79, 65,
 8, 56, 34, 37, 14, 79, 97, 76, 71, 81, 81, 89, 56, 0, 39, 87, 63,
81, 26, 21, 5, 76, 32, 37, 73, 65, 39, 70, 43, 53, 29, 4, 39])

```
In [11]: plt.hist(yeniDizi)
```

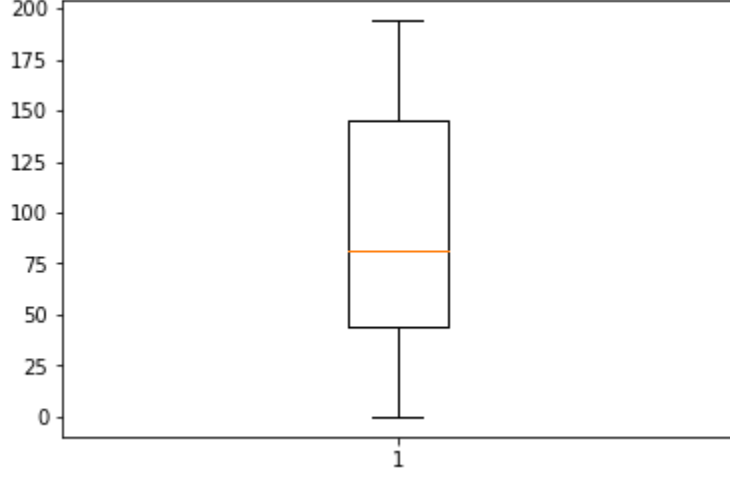
Out[11]: (array([7., 4., 5., 6., 5., 5., 3., 6., 6., 3.]),
array([0. , 9.7, 19.4, 29.1, 38.8, 48.5, 58.2, 67.9, 77.6, 87.3, 97.]),
<BarContainer object of 10 artists>)



boxplot

```
In [12]: plt.boxplot(yeniDizi*2)
```

Out[12]: {'whiskers': [



```
In [ ]:
```