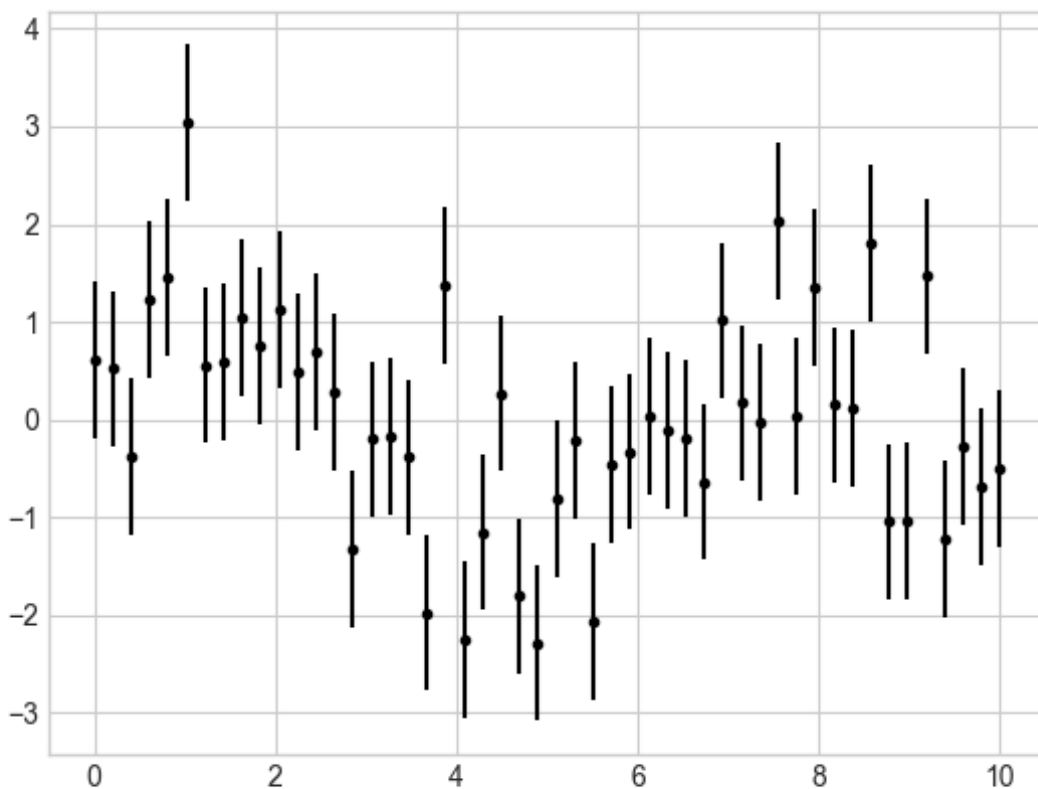Visulaizing Errors by errorBars
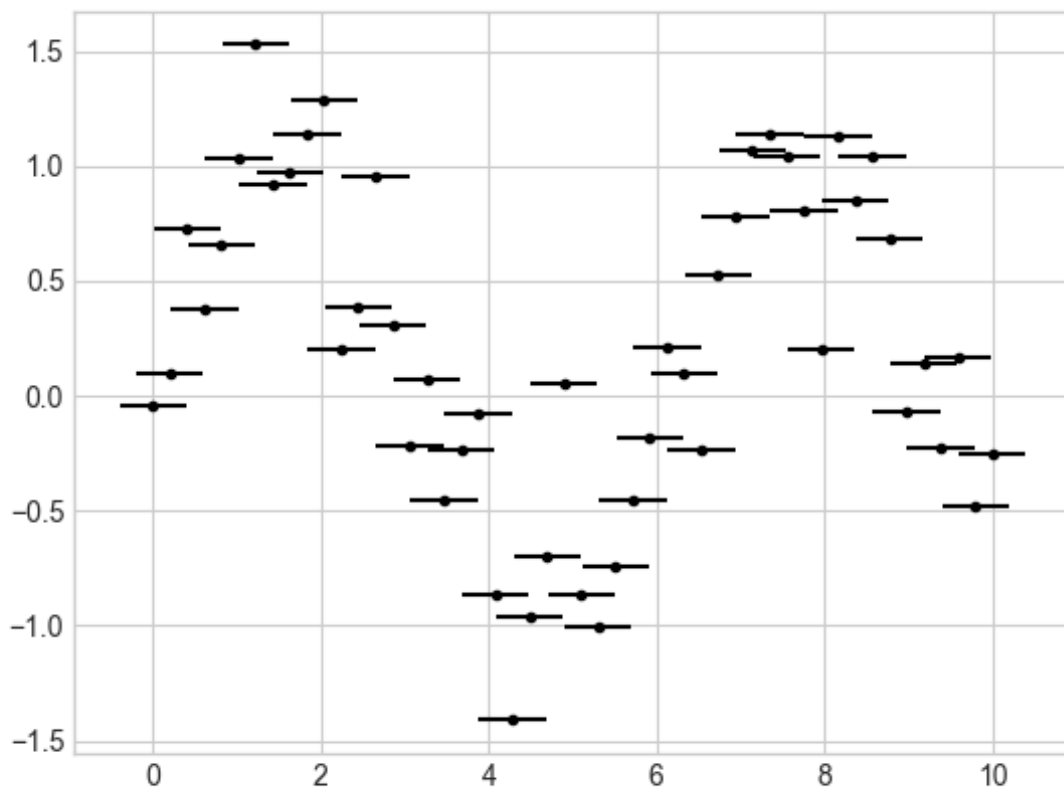
#errror along y axis

```python
import matplotlib.pyplot as plt
import numpy as np
plt.style.use('seaborn-whitegrid')
x =np.linspace(0, 10 ,50)
dy = 0.8
y = np.sin(x) + dy * np.random.randn(50)

#yerr = error along x axis
plt.errorbar(x, y, yerr=dy, fmt='.k')
plt.show()
```
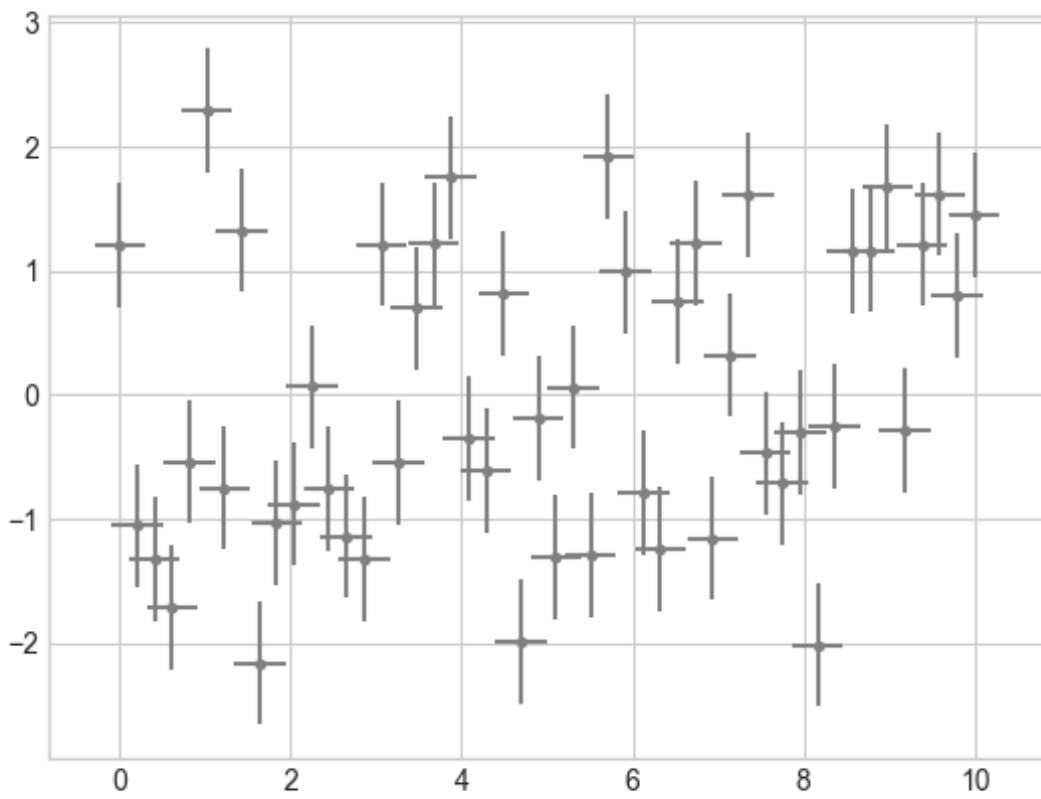
```
#error along x axis

plt.style.use('seaborn-whitegrid')
x =np.linspace(0, 10 ,50)
dx = 0.8
y = np.sin(x) + dx * np.random.randn(50)
plt.errorbar(x, y, xerr=dx, fmt='.', color='black')
plt.show()
```



```
#error alnog x and y both side

plt.style.use('seaborn-whitegrid')
x =np.linspace(0, 10 ,50)
dx = 0.3
dy = 0.5

y = np.random.randn(50)
plt.errorbar(x, y, xerr=dx, yerr=dy, fmt='.', color='gray')
plt.show()
```

-> for maore type 'plt.errorbar'