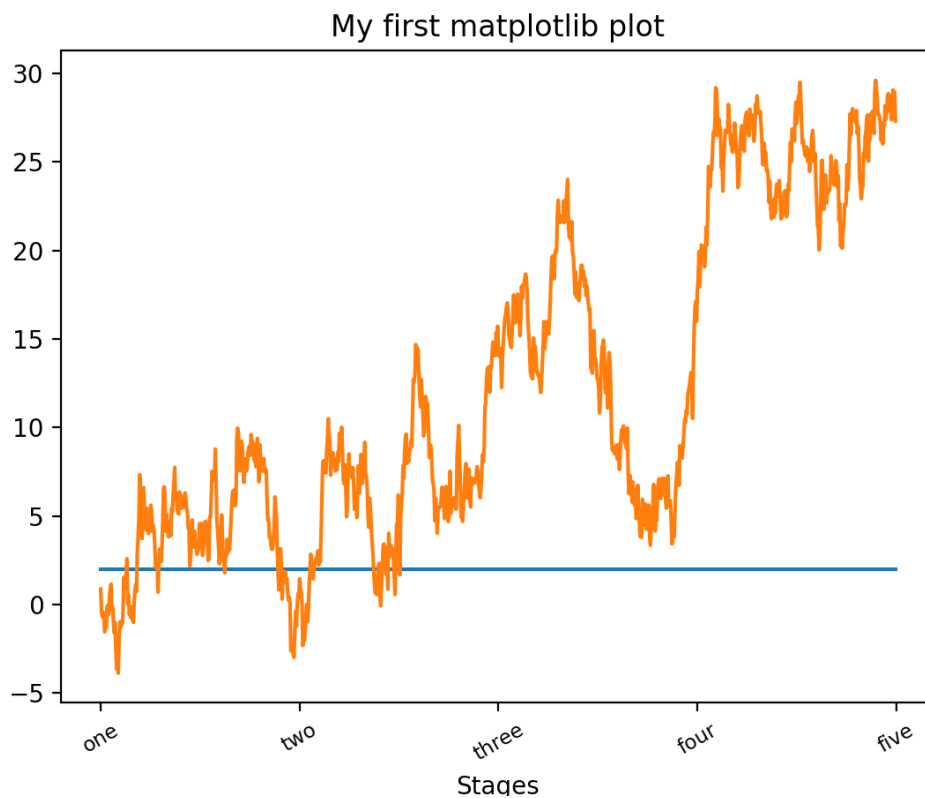


```
In [1]: %matplotlib notebook
```

```
In [2]: import matplotlib.pyplot as plt  
from numpy.random import randn
```

```
In [3]: baseline = []  
for x in range(1000):  
    baseline.append(2)
```

```
In [4]: fig = plt.figure()  
ax = fig.add_subplot(1, 1, 1)  
_ = ax.plot(baseline)
```



```
In [5]: _ = ax.plot(randn(1000).cumsum())
```

```
In [6]: x_ticks = ax.set_xticks([0, 250, 500, 750, 1000])  
labels = ax.set_xticklabels(['one', 'two', 'three', 'four', 'five'], rotation=30,  
    fontsize='small')
```

```
In [7]: _ = ax.set_title('My first matplotlib plot')
```

```
In [8]: _ = ax.set_xlabel('Stages')
```