

subplot

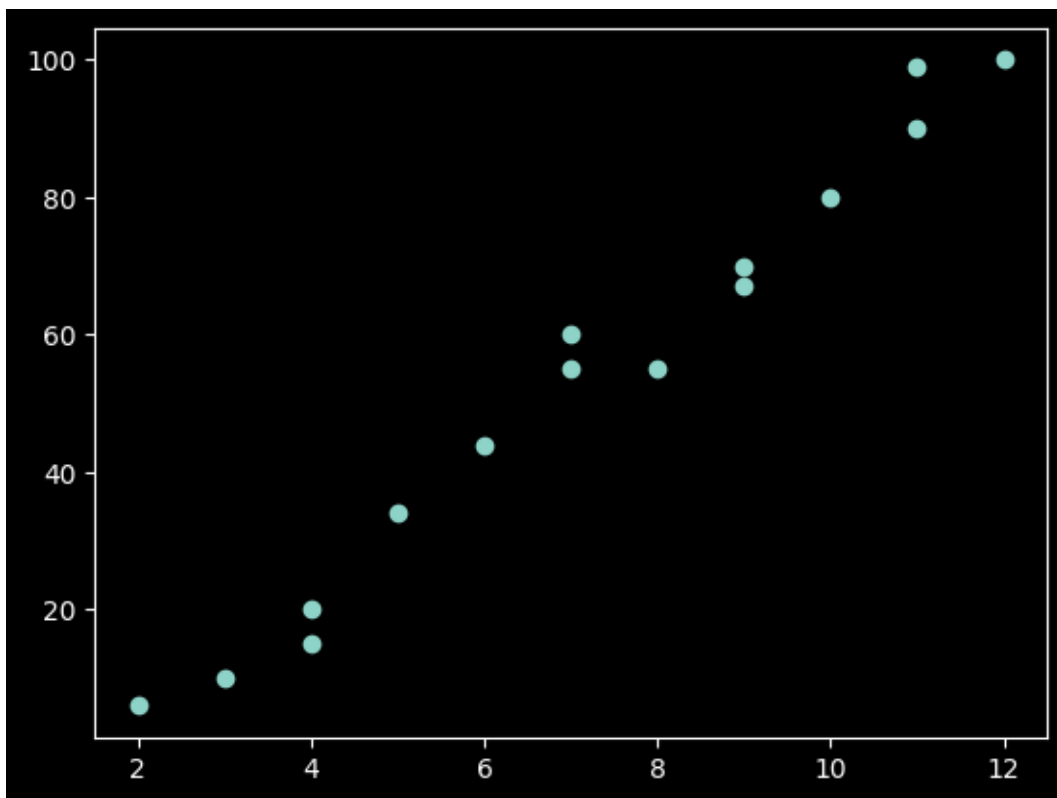
March 20, 2025

```
[1]: import matplotlib.pyplot as plt  
import numpy as np  
import pandas as pd
```

```
[2]: plt.style.use('dark_background')
```

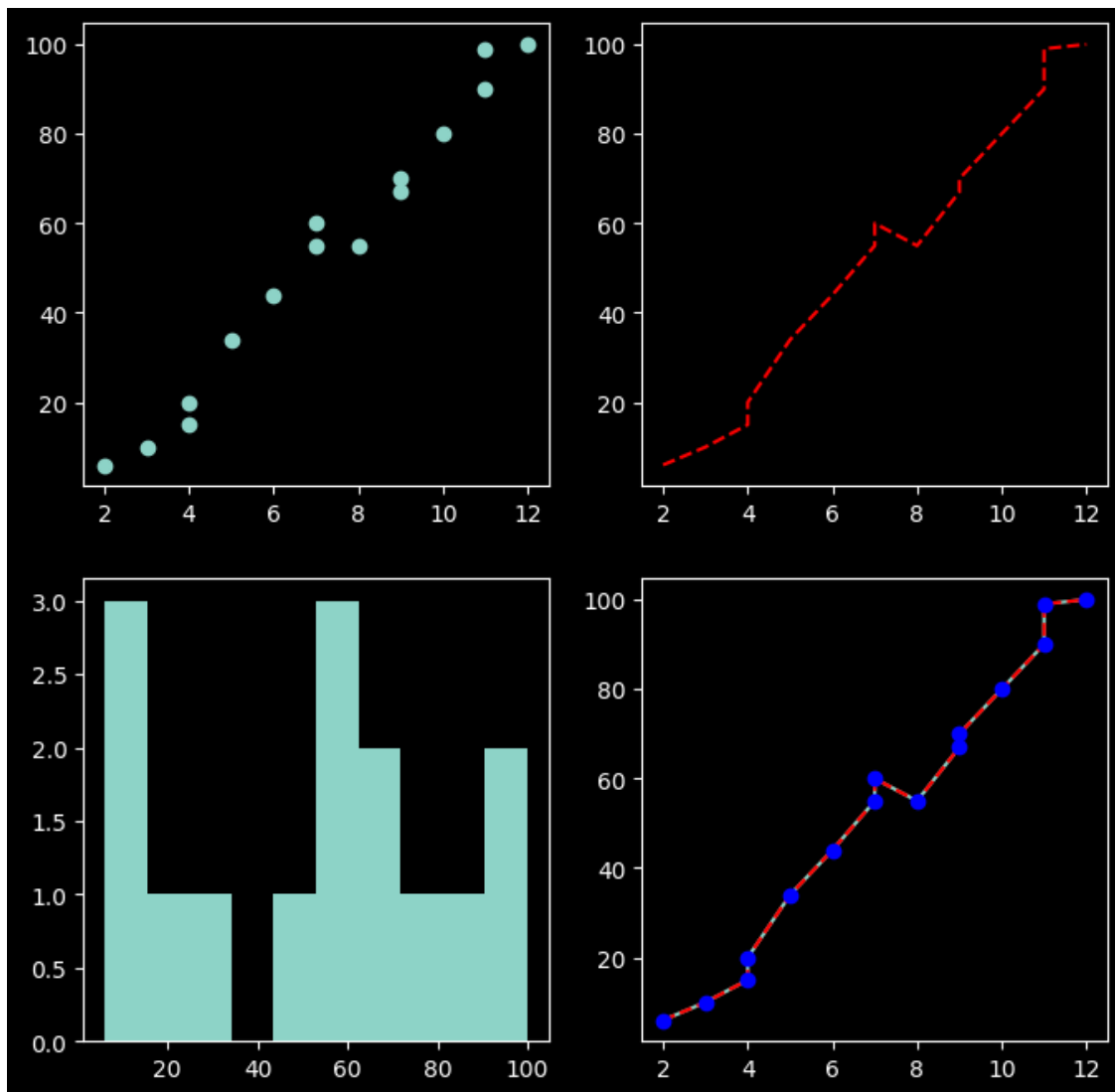
```
[3]: study_hours = [2,3,4,4,5,6,7,7,8,9,9,10,11,11,12]  
marks = [6,10,15,20,34,44,55,60,55,67,70,80,90,99,100]
```

```
[4]: plt.scatter(study_hours,marks)  
plt.show()
```



```
[13]: plt.figure(figsize = (8,8))
plt.subplot(2,2,1)
plt.scatter(study_hours,marks)
plt.subplot(2,2,2)
plt.plot(study_hours,marks,'r--')
plt.subplot(2,2,3)
plt.hist(marks)
plt.subplot(2,2,4)
plt.plot(study_hours,marks)
plt.plot(study_hours,marks,'r--')
plt.plot(study_hours,marks,'bo')

#Saving the plot
plt.savefig(r'C:\Users\Rahul\pycharm\Matplotlib\subplot.jpg',facecolor = 'k')
plt.show()
```



[]: