matplotlib

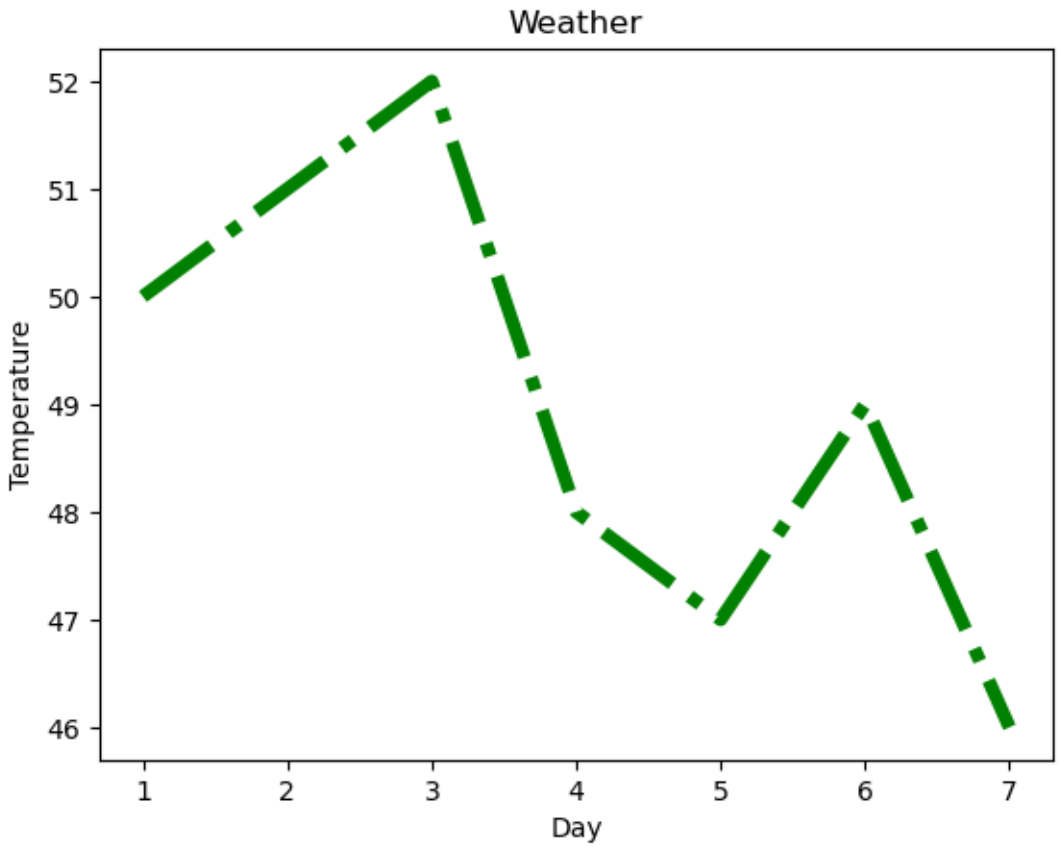
January 30, 2026

[26]:
```
import matplotlib.pyplot as plt
%matplotlib inline
```

[8]:
```
x=[1,2,3,4,5,6,7]
y=[50,51,52,48,47,49,46]
```

[14]:
```
plt.xlabel('Day')
plt.ylabel('Temperature')
plt.title('Weather')
plt.plot(x,y, color='green', linewidth=5, linestyle='dashdot')
```

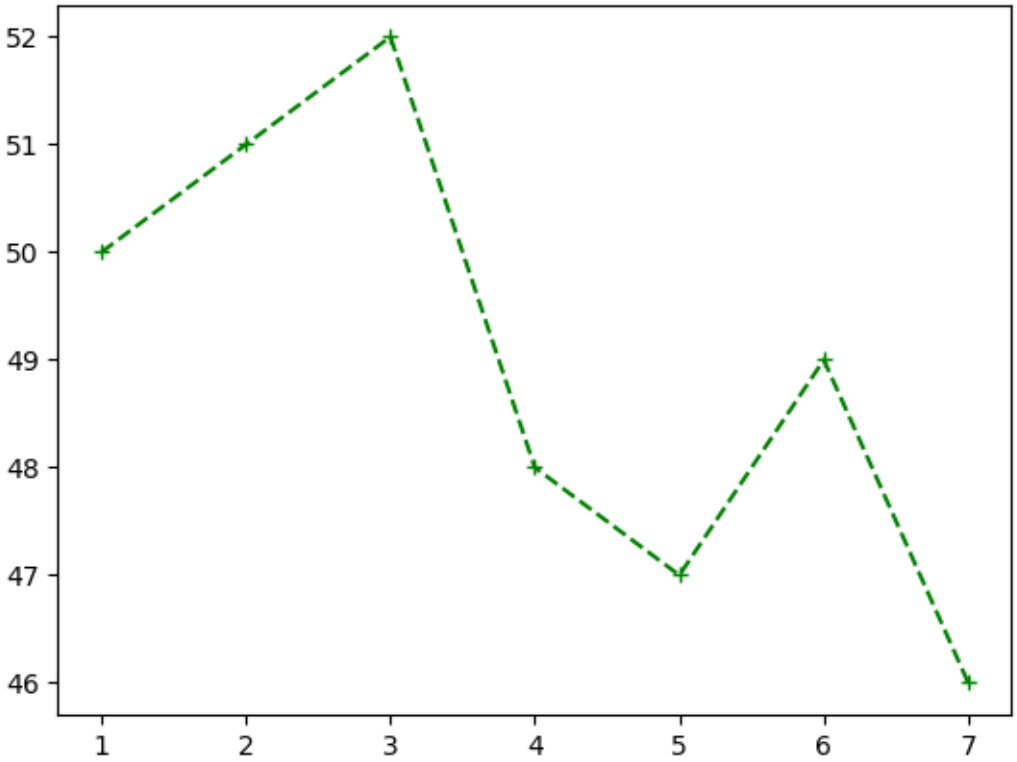
[14]:
```
[<matplotlib.lines.Line2D at 0x17c22379810>]
```



[15]:
```
x=[1,2,3,4,5,6,7]
y=[50,51,52,48,47,49,46]
```

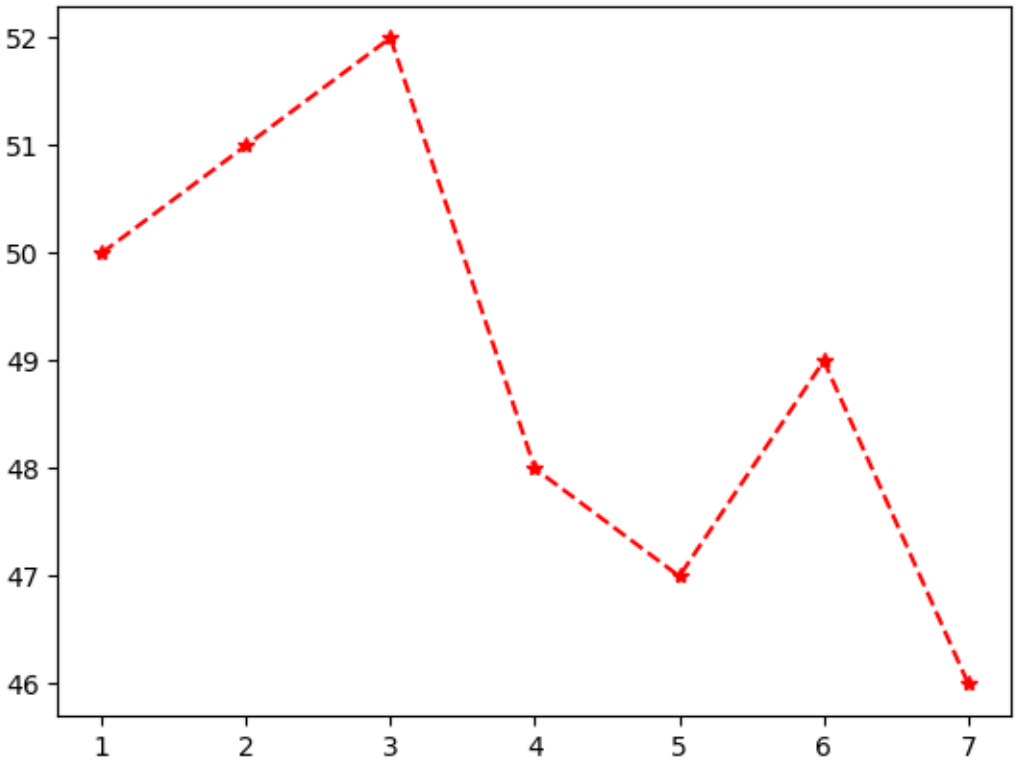
[16]:
```
plt.plot(x,y, "g+--")
```

[16]: [<matplotlib.lines.Line2D at 0x17c2264c550>]



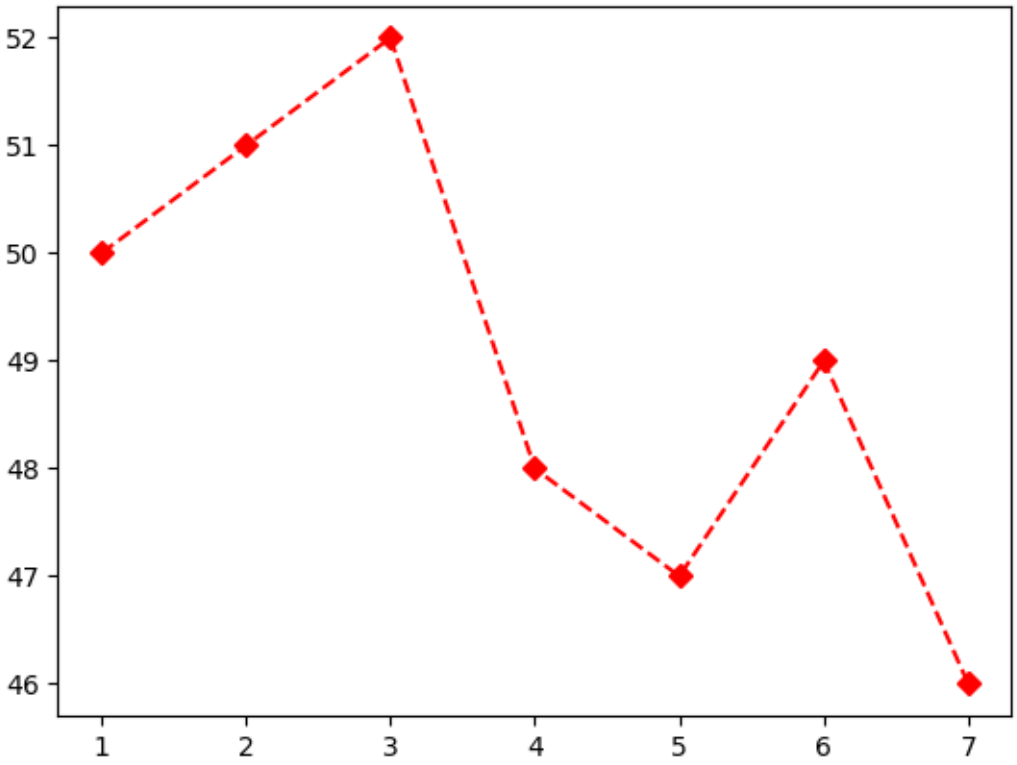
[17]:
```
x=[1,2,3,4,5,6,7]
y=[50,51,52,48,47,49,46]
plt.plot(x,y, "r*--")
```

[17]: [<matplotlib.lines.Line2D at 0x17c226ab250>]



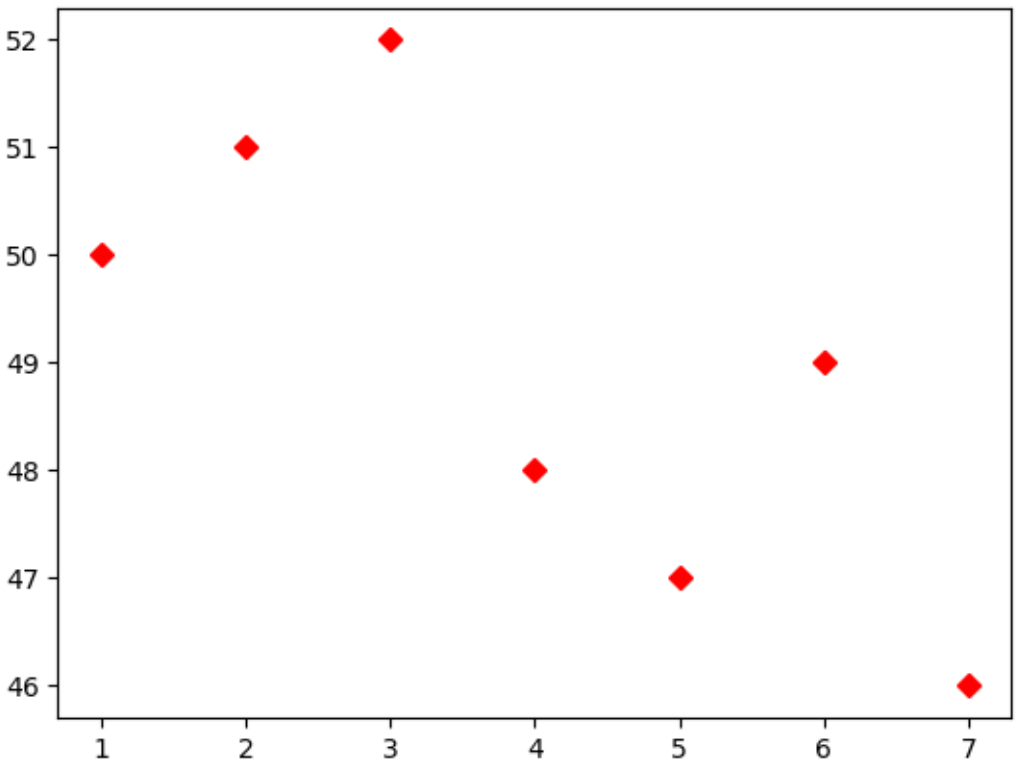
[18]:
```
x=[1,2,3,4,5,6,7]
y=[50,51,52,48,47,49,46]
plt.plot(x,y, "rD--")
```

[18]: [<matplotlib.lines.Line2D at 0x17c236e1d10>]



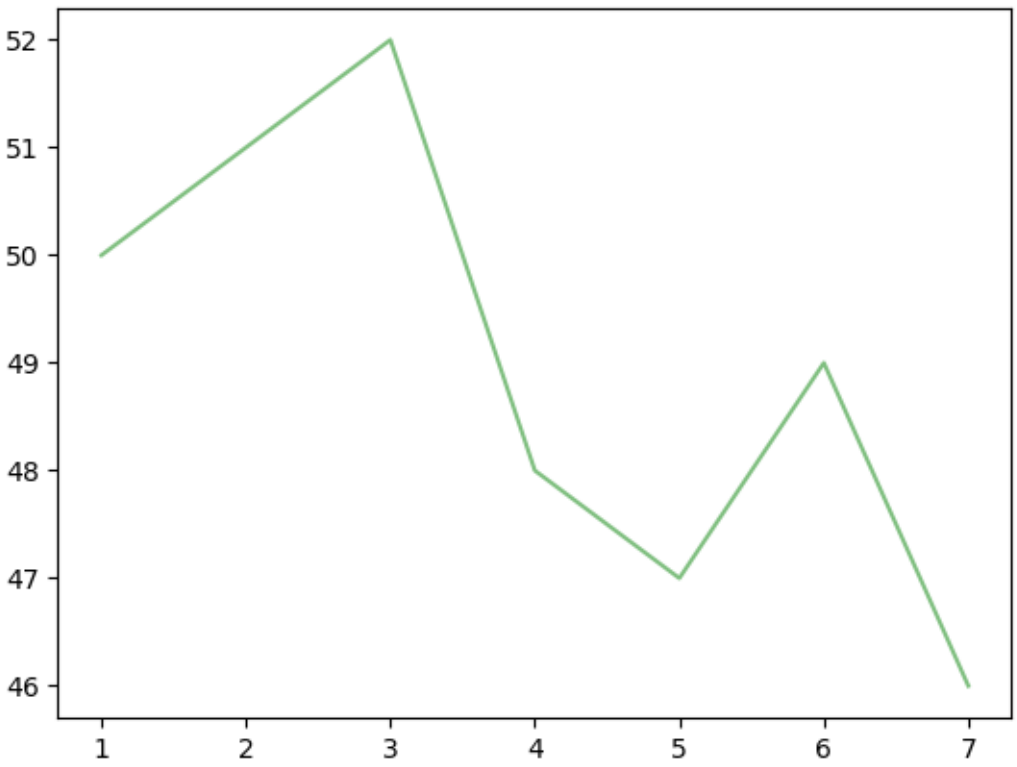
[20]:
```
plt.plot(x,y, color='red', marker='D', linestyle='' )
```

[20]:
```
[<matplotlib.lines.Line2D at 0x17c2375ca50>]
```



[24]:
```
plt.plot(x,y, color='green', alpha=0.5)
```

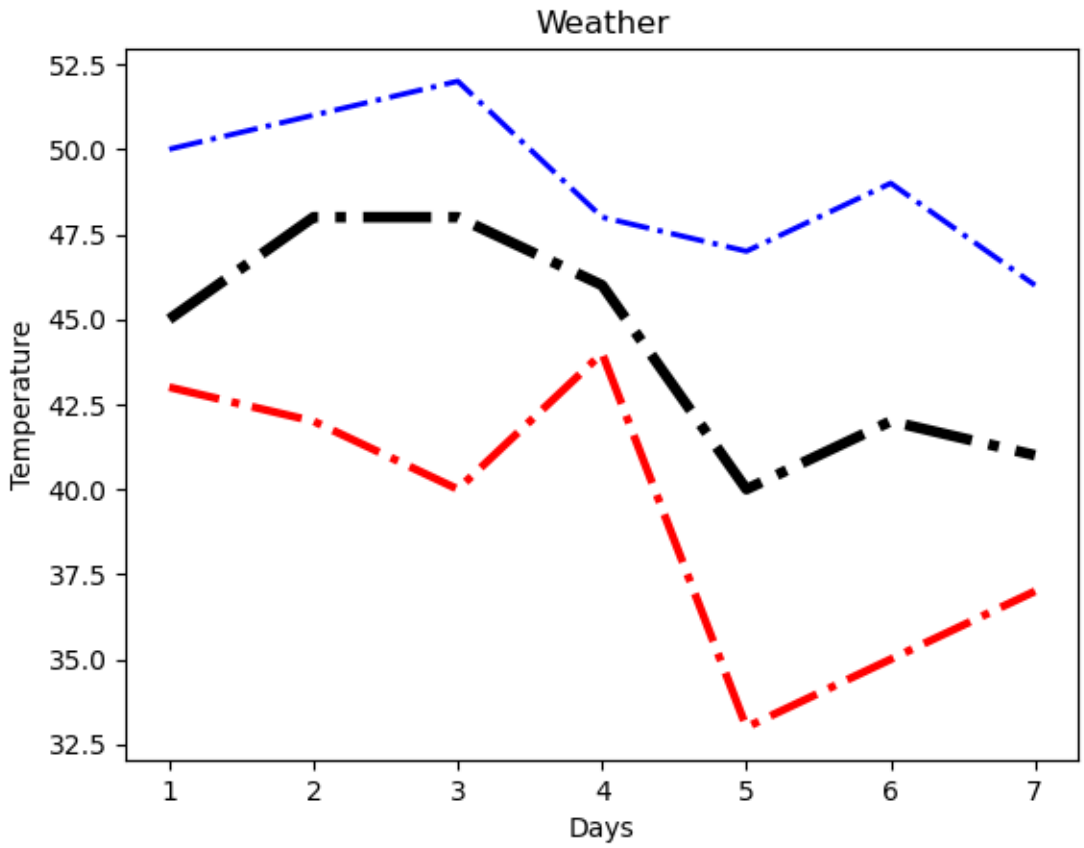
[24]: [<matplotlib.lines.Line2D at 0x17c23c68690>]



[27]:
```
days=[1,2,3,4,5,6,7,]
max_t=[50,51,52,48,47,49,46]
min_t=[43,42,40,44,33,35,37]
avg_t=[45,48,48,46,40,42,41]
```

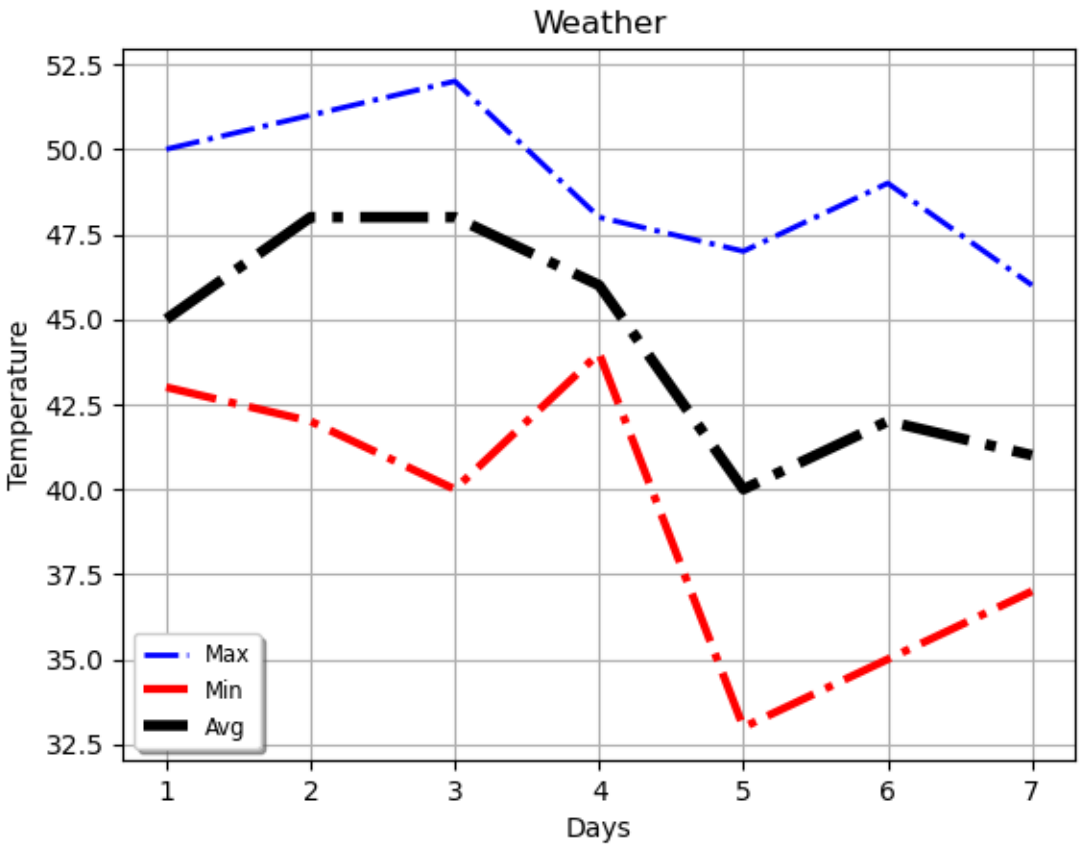
[39]:
```
plt.xlabel("Days")
plt.ylabel("Temperature")
plt.title("Weather")
plt.plot(days, max_t, color='blue', linewidth=2, linestyle='dashdot' )
plt.plot(days, min_t, color='red', linewidth=3, linestyle='dashdot')
plt.plot(days, avg_t, color='black', linewidth=4, linestyle='dashdot')
```

[39]:
```
[<matplotlib.lines.Line2D at 0x17c25096350>]
```



[48]:
```
plt.xlabel("Days")
plt.ylabel("Temperature")
plt.title("Weather")
plt.plot(days, max_t,label="Max", color='blue', linewidth=2,␣
 ↪linestyle='dashdot' )
plt.plot(days, min_t, label="Min", color='red', linewidth=3,␣
 ↪linestyle='dashdot')
plt.plot(days, avg_t, label="Avg", color='black', linewidth=4,␣
 ↪linestyle='dashdot')

plt.legend(loc='lower left', shadow=True, fontsize="small")
plt.grid()
```


Weather
Temperature
Days
Max
Min
Avg
52.5
50.0
47.5
45.0
42.5
40.0
37.5
35.0
32.5
1
2
3
4
5
6
7

[ ]: