The Engineering World #DataScience 7 & 8

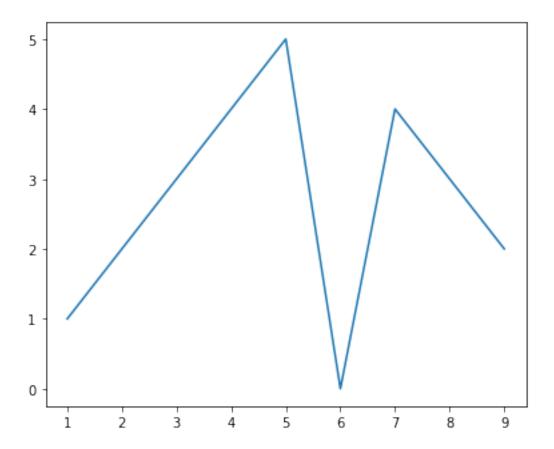
May 31, 2018

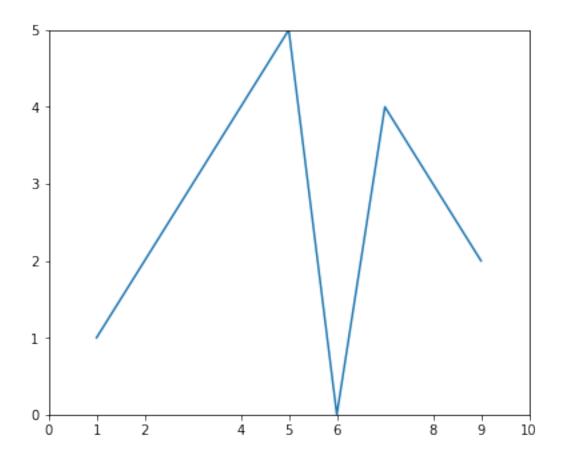
AKKAL BAHADUR BIST
DATA SCIENTIST AT
KATHMANDU INSTITUTE OF APPLIED SCIENCES (KIAS)
Center for Conservation Biology (CCB)

1 TITLE AND MARKERS IN PLOT ELEMENTS

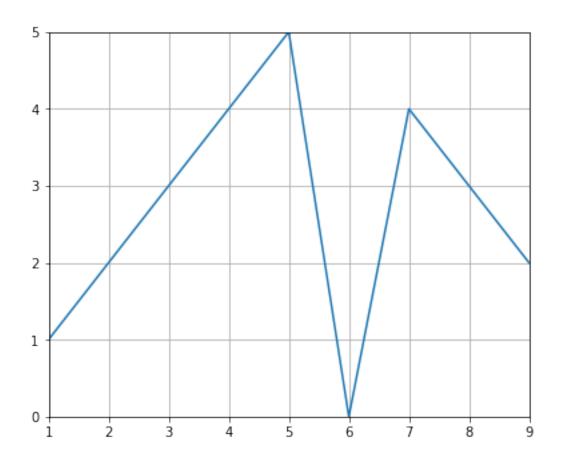
1.0.1 Defining Elements of a Plot

1.0.2 Defining Axes, Ticks, and Grids





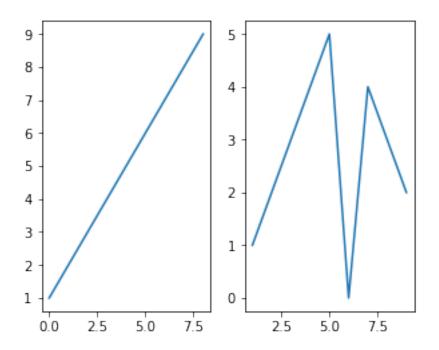
Out[6]: [<matplotlib.lines.Line2D at 0x7f21f109d630>]



1.0.3 Generate multiplots in one figure with subplots

Out[7]: [<matplotlib.lines.Line2D at 0x7f21e6546400>]

<matplotlib.figure.Figure at 0x7f21e66e8978>

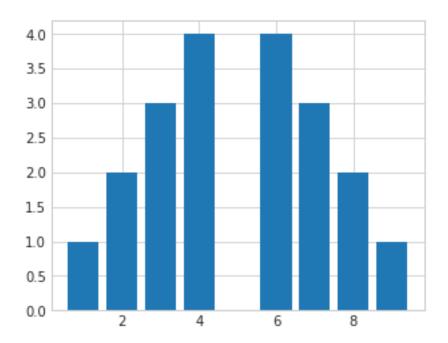


2 PLOT FORMATING

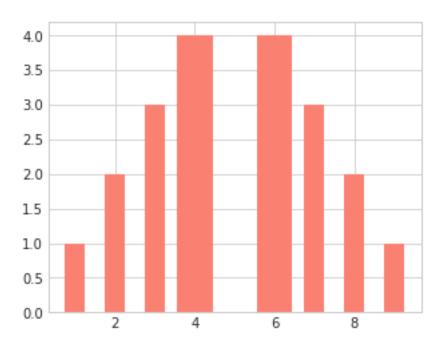
2.0.1 Plotformating

2.0.2 Defining plot color

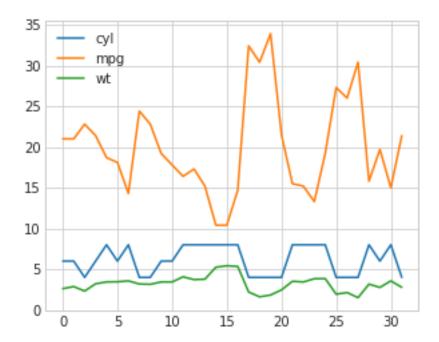
Out[10]: <Container object of 9 artists>



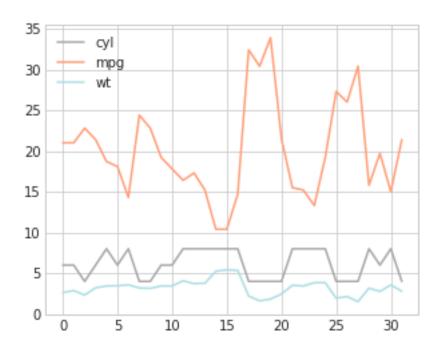
Out[11]: <Container object of 9 artists>

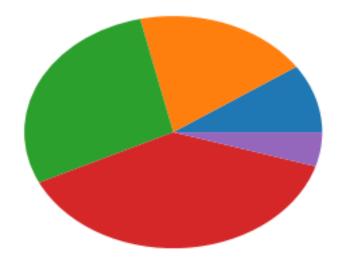


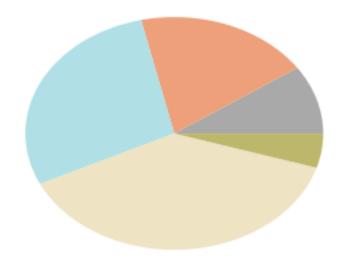
Out[12]: <matplotlib.axes._subplots.AxesSubplot at 0x7f21dce82940>



Out[13]: <matplotlib.axes._subplots.AxesSubplot at 0x7f21dceb94a8>

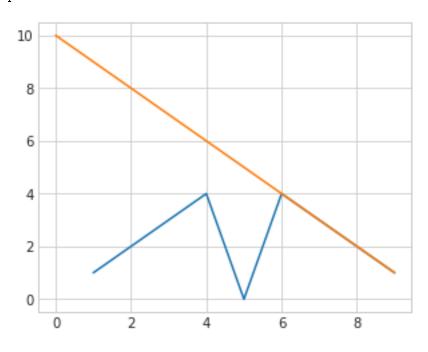




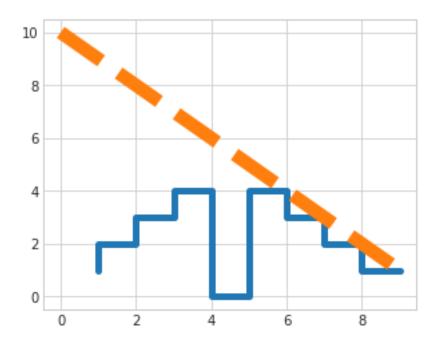


2.0.3 Costomizing line styles

Out[16]: [<matplotlib.lines.Line2D at 0x7f21dcd0be80>]

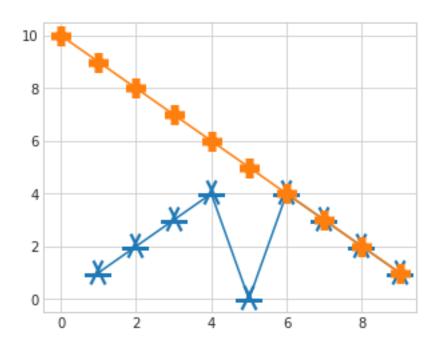


Out[17]: [<matplotlib.lines.Line2D at 0x7f21dcd49b38>]



2.0.4 Setting plot markers

Out[18]: [<matplotlib.lines.Line2D at 0x7f21dcc5eb00>]



```
In [19]: x1 = range(0,10)
    y1 = [10,9,8,7,6,5,4,3,2,1]

plt.plot(x,y, marker = '1', mew = 10)
    plt.plot(x1,y1, marker = '+', mew = 5)
```

Out[19]: [<matplotlib.lines.Line2D at 0x7f21dcc7a4a8>]

