sualization-lecture-1-dec-batch

June 17, 2023

0.1 Data Visualization Lecture - 1

[1]:
```
import matplotlib.pyplot as plt
import seaborn as sns
```

[2]:
```
!gdown 1UMXnSVjwK5jcB9fMmUfle4uh-xFPYQcyUJehTZ0g8wU
```

```
Downloading…
From (uriginal): https://drive.google.com/uc?id=1UMXnSVjwK5jcB9fMmUfle4uh-
xFPYQcyUJehTZ0g8wU
From (redirected):
https://docs.google.com/spreadsheets/d/1UMXnSVjwK5jcB9fMmUfle4uh-
xFPYQcyUJehTZ0g8wU/export?format=xlsx
To: /Users/satish/Desktop/scaler/Dec Tue Batch - DAV-1/final_vg.xlsx
1.20MB [00:00, 1.87MB/s]
```

[3]:
```
import pandas as pd
import numpy as np
```

[4]:
```
data = pd.read_excel('final_vg.xlsx', sheet_name='final_vg')
data
```

[4]:

	Rank	Name	Platform	…	Year	Genre	Publisher	NA_Sales	EU_Sales
0	2061.0	1942.0	NES		1985.0	Shooter	Capcom	4.569217	3.033887
1	9137.0	¡Shin Chan Flipa en colores!	DS		2007.0	Platform	505 Games	2.076955	1.493442
2	14279.0	.hack: Sekai no Mukou ni + Versus	PS3						
3	8359.0	.hack//G.U. Vol.1//Rebirth	PS2						
4	7109.0	.hack//G.U. Vol.2//Reminisce	PS2						
…	…	…	…	…					
16647	7925.0	Zumba Fitness Rush	X360						
16648	6279.0	Zumba Fitness: World Party	Wii						
16649	6977.0	Zumba Fitness: World Party	XOne						
16650	15422.0	Zwei!!	PSP						
16651	12919.0	Zyuden Sentai Kyoryuger: Game de Gaburincho!!	3DS						

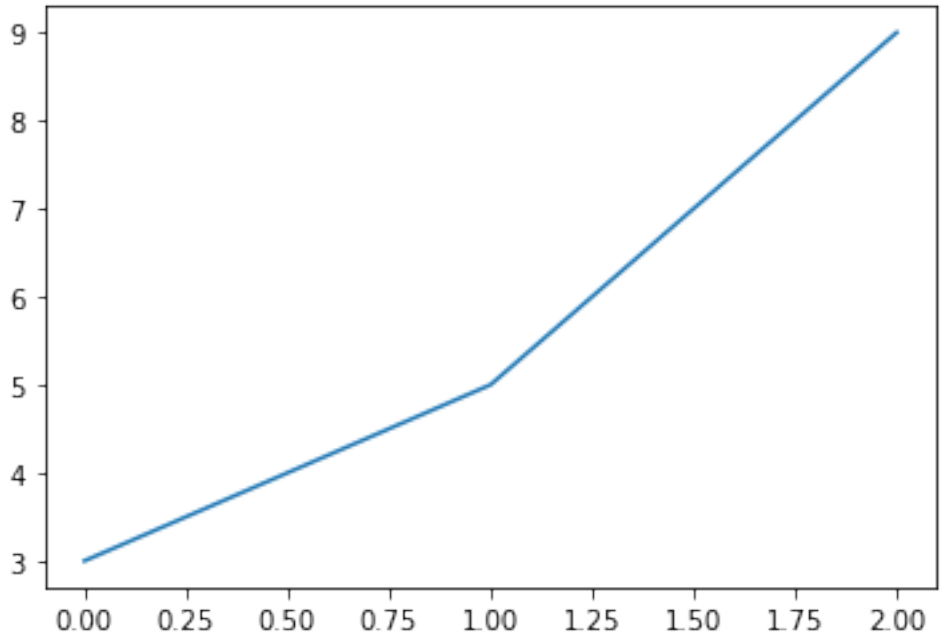
```
2      2012.0        Action     Namco Bandai Games  1.145709  1.762339
3      2006.0  Role-Playing     Namco Bandai Games  2.031986  1.389856
4      2006.0  Role-Playing     Namco Bandai Games  2.792725  2.592054
…       …            …                    …        …       …
16647  2012.0        Sports             505 Games  4.409308  3.167419
16648  2013.0          Misc  Majesco Entertainment  3.033887  2.792725
16649  2013.0          Misc  Majesco Entertainment  3.228043  2.004268
16650  2008.0  Role-Playing     Falcom Corporation  1.087977  0.592445
16651  2013.0        Action     Namco Bandai Games  1.081046  1.714664

       JP_Sales  Other_Sales  Global_Sales
0      3.439352     1.991671     12.802935
1      3.033887     0.394830      7.034163
2      1.493442     0.408693      4.982552
3      3.228043     0.394830      7.226880
4      1.440483     1.493442      8.363113
…         …            …            …
16647  4.168474     1.087977     13.053204
16648  1.596852     1.493442      8.878837
16649  1.833151     1.087977      7.954274
16650  1.087977     0.394830      3.509168
16651  2.004268     0.394830      5.132196

[16652 rows x 11 columns]
```

[5]:
```
x_val = [0, 1, 2]
y_val = [3, 5, 9]
plt.plot(x_val, y_val)
```

[5]:
```
[<matplotlib.lines.Line2D at 0x122faa070>]
```


9
8
7
6
5
4
3
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00