

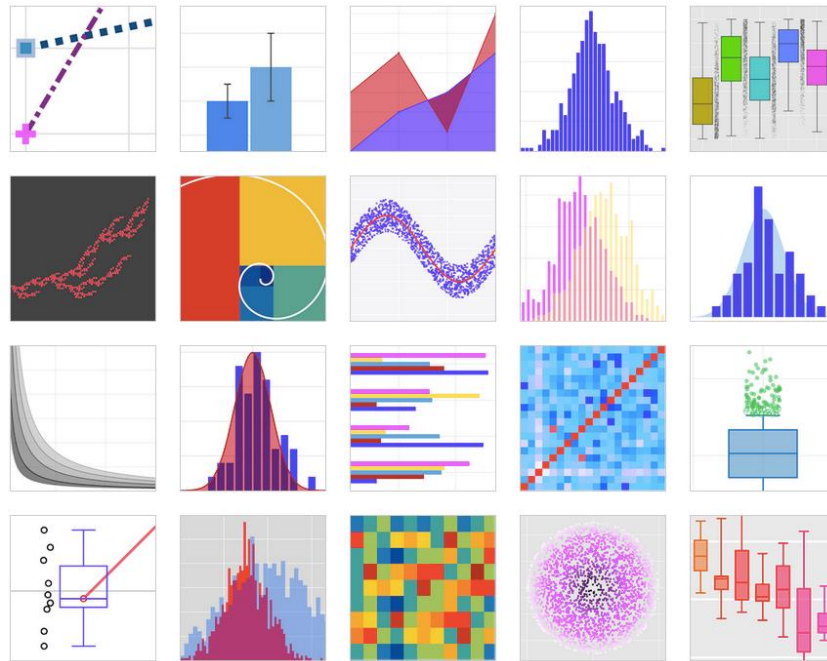
VISUALIZATION OF TIME SERIES DATA

WHAT IS TIME SERIES DATA?

A time series is a sequence of data points, typically consisting of successive measurements made over a time interval.

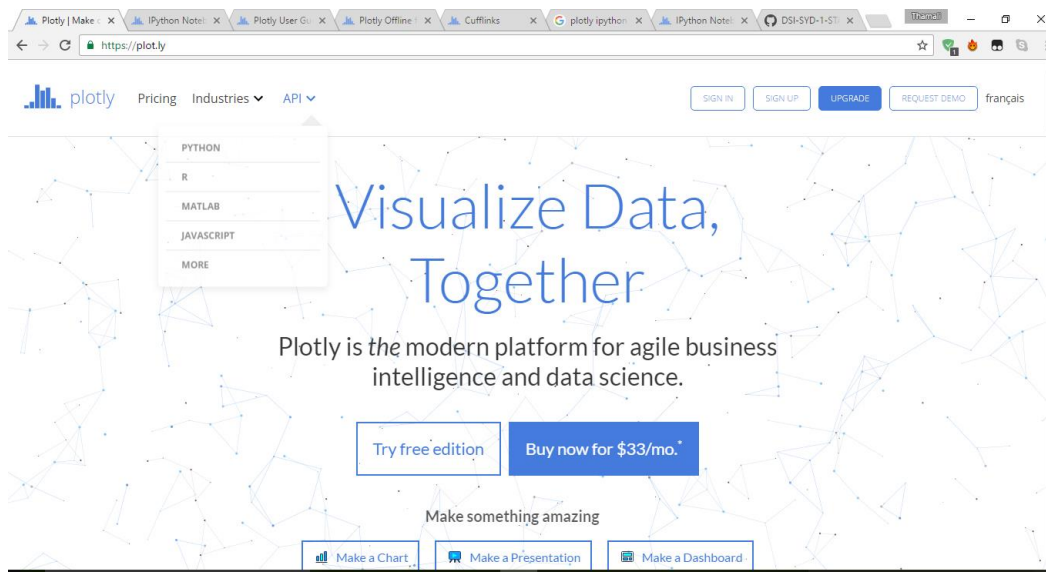
PLOTLY

- Is an online analytics and data visualization tool.
- Plotly provides online graphing, analytics, and statistics tools for individuals and collaboration, as well as scientific graphing libraries for Python, R, MATLAB, Perl, Julia, Arduino, and REST.



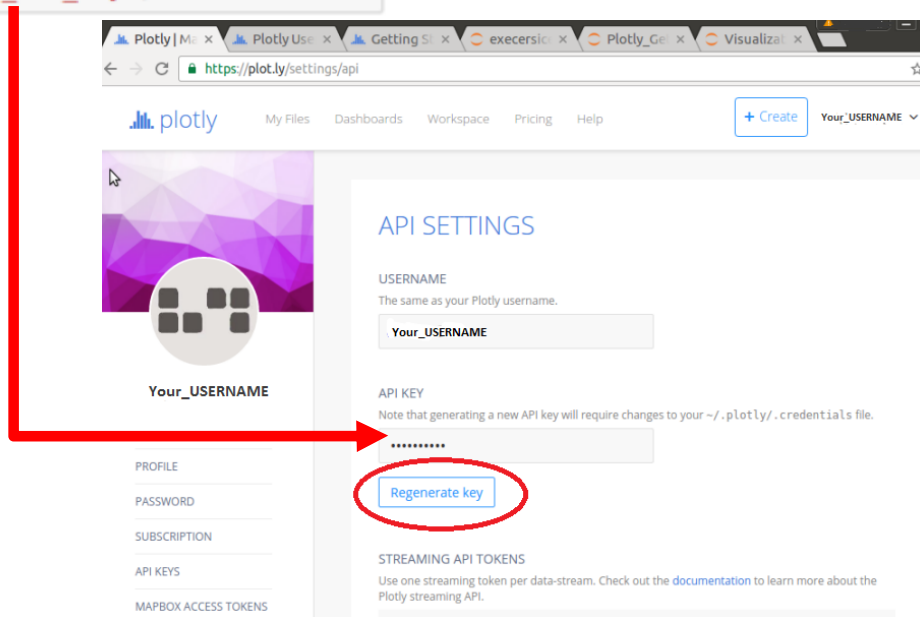
GETTING STARTED WITH PLOTLY

1. `(sudo) pip install plotly -> pip install plotly --upgrade`
2. Create an account at <https://plot.ly/>



GETTING STARTED WITH PLOTLY...

```
import plotly
plotly.tools.set_credentials_file(username='Your_UserName',
                                  api_key='Your_API_Key')
```



ADDITIONAL MATERIAL

1. https://images.plot.ly/plotly-documentation/images/python_cheat_sheet.pdf
2. <http://blog.plot.ly/post/117105992082/time-series-graphs-eleven-stunning-ways-you-can>

DEMO