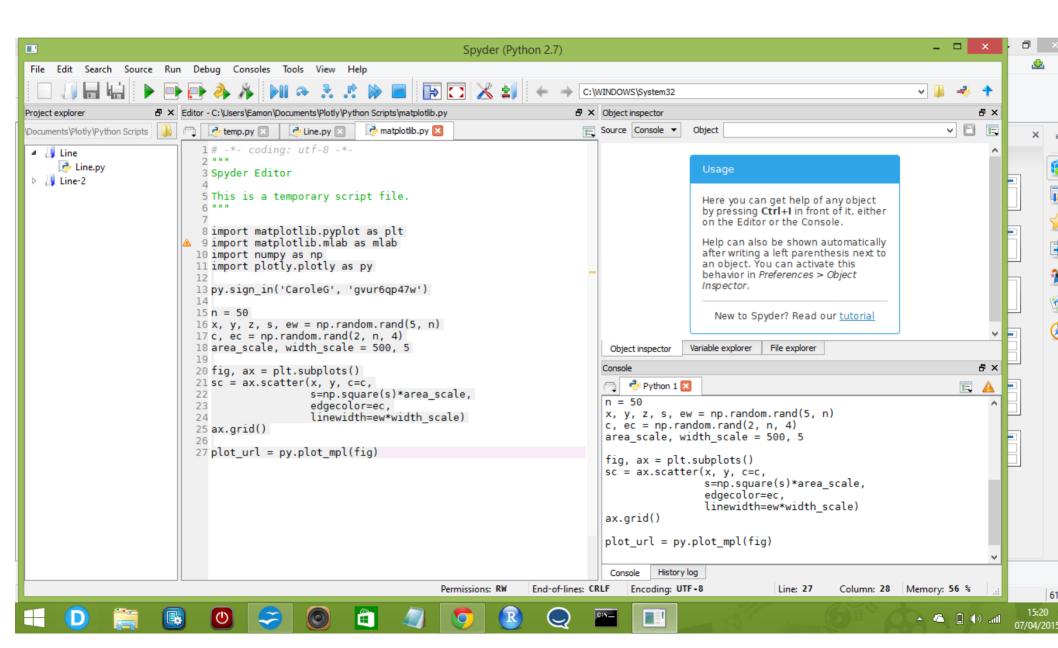


Collaborative data science. Plotly is the easiest way to graph and share your data.

Presented by Carole@plot.ly

We demonstrated using Anaconda Python Interpreter, we placed a file containing graph data, using matplotlib and calling plot.ly to open upon run



Graph was automatically opened in Plotly



Plotly reproduced the data, contained within the Pvthon programme

	by CaroleG Last edited a minute ago		Public		₽ Edit graph	🖵 View full-size graph			
	marker.line.c	marker.size	marker.line	у	x	marker.color	G	Н	I
PLOT	rgba (104,79,117,0.06		1.500656570	0.370682247	0.624255373	rgba (217,138,120,0.7			
DATA	rgba (121,110,3,0.700		3.569860534	0.812164645	0.235895375	rgba (185,111,128,0.2			
CODE	rgba (140,202,116,0.1		4.640802025	0.149328233	0.688985969	rgba (221,159,76,0.94			
CODE	rgba (243,113,236,0.7		3.612759420	0.714093720	0.459520211	rgba (198,16,250,0.56			
EXTRAS	rgba (200,153,51,0.29		2.805329310	0.611340210	0.858500377	rgba (163,7,196,0.344			
	rgba (116,16,161,0.96	22.26537129	0.365132648	0.771105743	0.342579015	rgba (111,247,174,0.2			
	rgba (125,219,42,0.63		2.923202109	0.378139946	0.416976497	rgba (24,110,8,0.6431			
	rgba (101,216,191,0.2	3.379229937	2.034818725	0.862128093	0.339102082	rgba (117,239,188,0.5			
	rgba		3.011744848	0.506881016	0.329399587				

(1)

É

E.

X

15:22

07/04/2015

🔺 🝊 🔒 🍈 all

Contact us!

æ

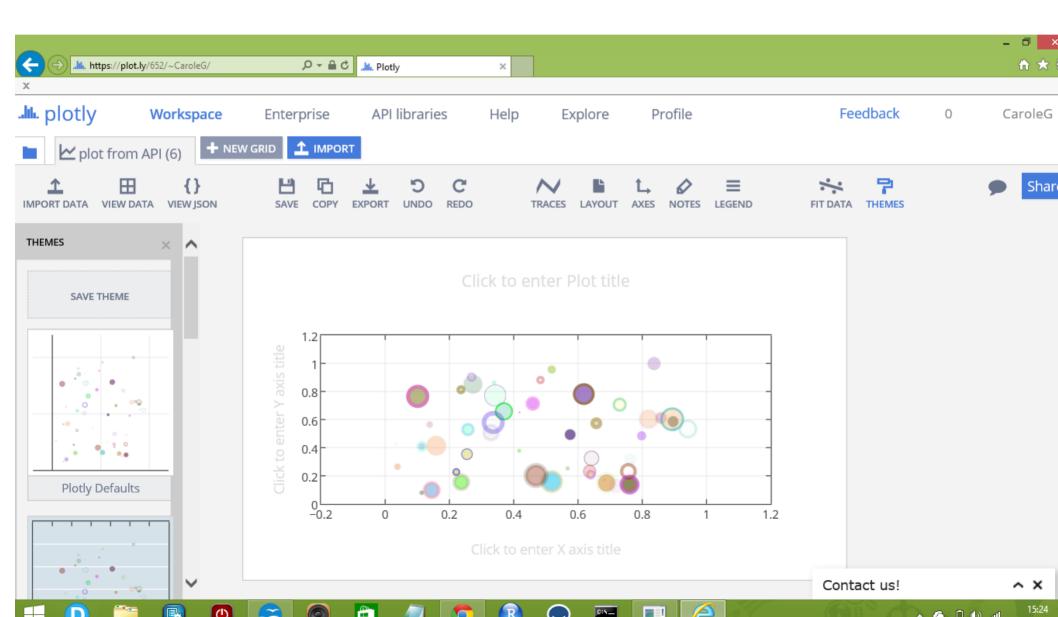
This shows the python code, we can also produce JSON, MATLAB, Javascript, R and Julia

Made	by CaroleG Last edited 2 minutes ago					
PLOT	# You can reproduce this figure in Python with the following code! Language: Python MATLAB					
DATA	<pre># Learn about API authentication here: https://plot.ly/python/getting-started # Find your api_key here: https://plot.ly/settings/api</pre>					
CODE	import plotly.plotly as py from plotly.graph_objs import *					
EXTRAS	<pre>py.sign_in('username', 'api_key') data = Data([</pre>					
	Scatter(x=[0.6242553730581, 0.23589537517156844, 0.6889859698347415, 0.4595202113487177, 0.8585003778374897, 0.342579015346517, 0.4 y=[0.3706822477610875, 0.812164645701131, 0.14932823316534938, 0.7140937205933549, 0.6113402106161212, 0.7711057438048257, mode='markers',					
	<pre>marker=Marker(color=['rgba(217,138,120,0.71978057033)', 'rgba(185,111,128,0.211397582679)', 'rgba(221,159,76,0.944757837763)', 'rgba(size=[0.2619372096606955, 6.034432088988261, 17.85844699088396, 11.306167054689741, 10.713995754433805, 22.265371298597</pre>					

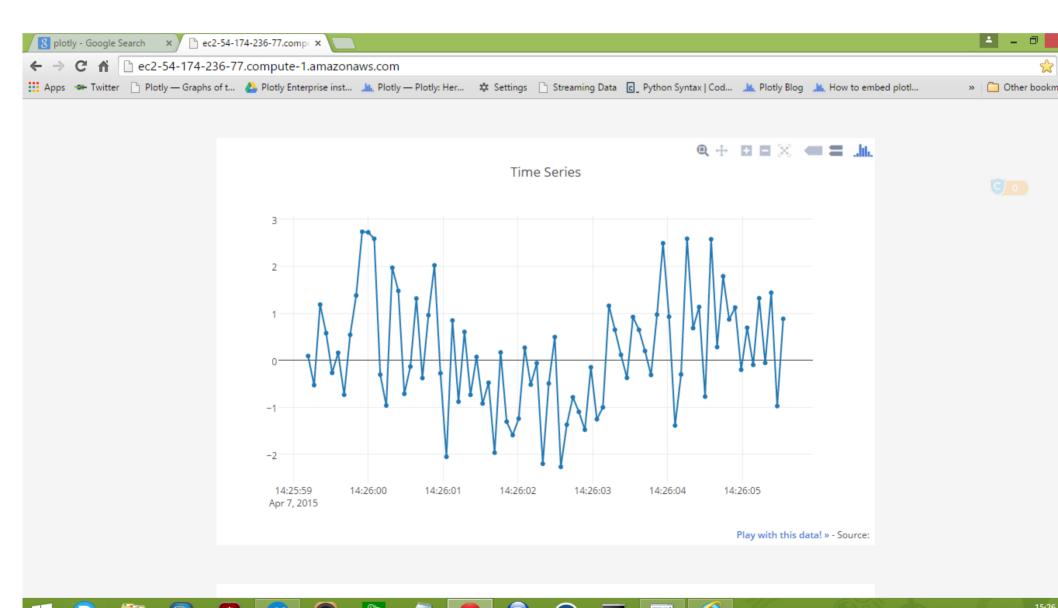
You can attach the original data this means it never get's lost

) 🥼 https://plot.ly/-	CaroleG/652 $\mathcal{P} \leftarrow \widehat{\blacksquare} \stackrel{\bullet}{\frown}$.iii., plot.ly ×			
Made t	y CaroleG Last edited 2 minutes ago	Public	ያ Edit graph 🛛 🖵 Vie	ew full-size graph
PLOT	Browse			
DATA	Extra files are arbitrary files you relate to plots or grids.			
CODE	When others view your shared plot or grid, they will be able to d	ownload the files you link here.		
EXTRAS	Currently, you may only attach Extras to plots or grids which you	ı own.		
	*		Contact us!	
D 🚞	🖪 🕐 🥪 🙆 🛅 🧳 💽 🔇	Q 🖭 🔳 🧉		

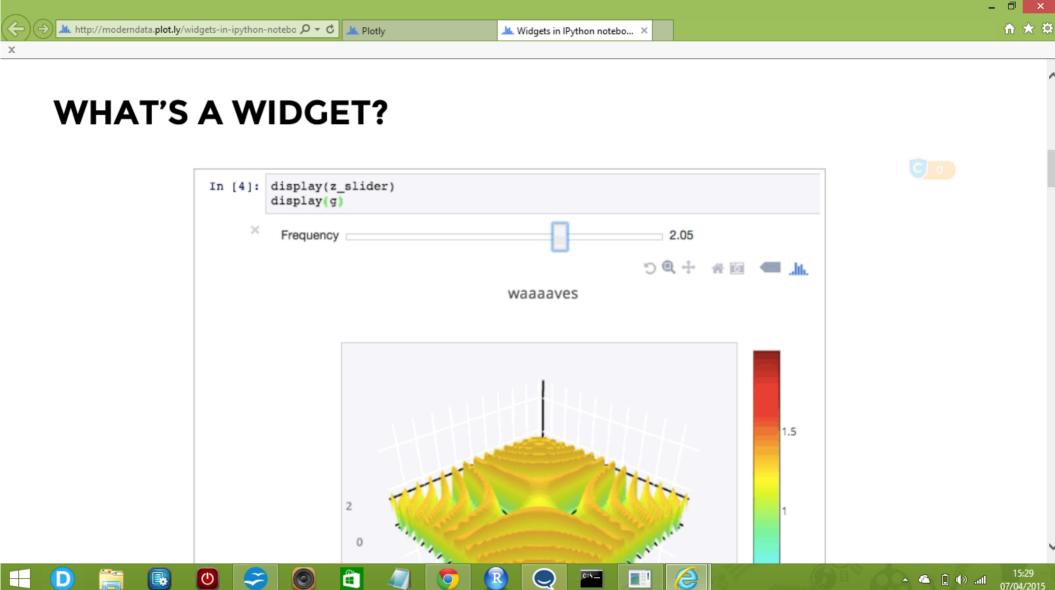
Fork and Edit, you can share, embed in a website, edit traces, axes etc.



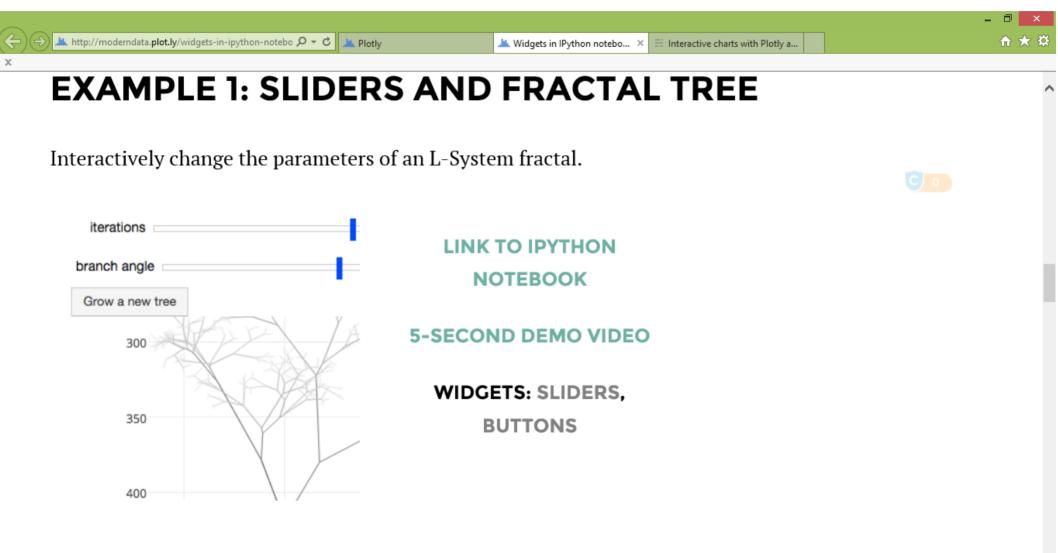
Example of streaming data, if a live demo it does stream as you will have seen.



Widget's were shown in 3D, you can drill in and out of the graph using the slider



Further example of a Widget





 \sim

Try for yourself- Widget Demo

http://moderndata.plot.ly/widgets-in-ipython-notebook-and-plotly/