

Plotly | Graphing Libraries (<https://plotly.com/>)(/graphing-libraries/)

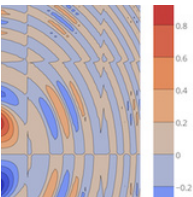
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Python (/python) > Scientific Charts (/python/scientific-charts)

Plotly Python Open Source Graphing Library Scientific Charts

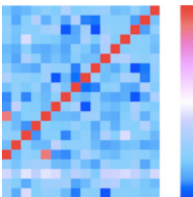
Plotly's Python graphing library makes interactive, publication-quality graphs online. Examples of how to make scientific charts such as contour plots, heatmaps, dendrograms, polar charts, and ternary plots.

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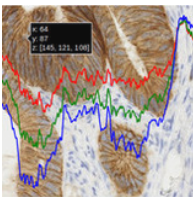
(/python/contour-plots/)

Contour Plots



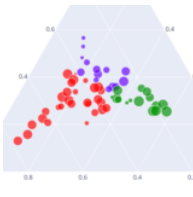
(/python/heatmaps/)

Heatmaps



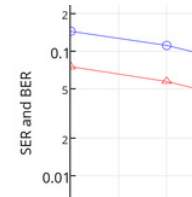
(/python/imshow/)

Imshow



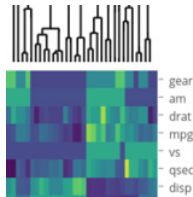
(/python/ternary-plots/)

Ternary Plots



(/python/log-plot/)

Log Plots



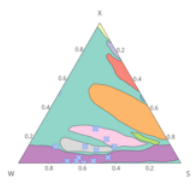
(/python/dendrogram/)

Dendrograms



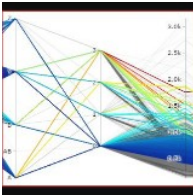
(/python/annotated-heatmap/)

Annotated Heatmaps



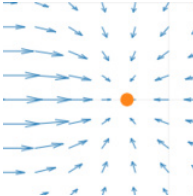
(/python/ternary-scatter-contour/)

Ternary Overlay



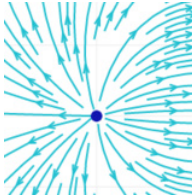
(/python/parallel-coordinates-plot/)

Parallel Coordinates Plot



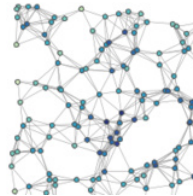
(/python/quiver-plots/)

Quiver Plots



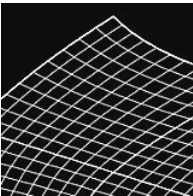
(/python/streamline-plots/)

Streamline Plots



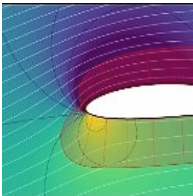
(/python/network-graphs/)

Network Graphs



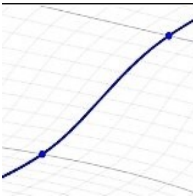
(/python/carpet-plot/)

Carpet Plots



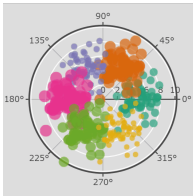
(/python/carpet-contour/)

Carpet Contour Plot



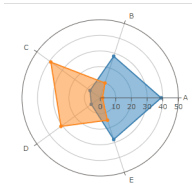
(/python/carpet-scatter/)

Carpet Scatter Plot



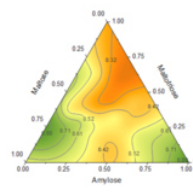
(/python/polar-chart/)

Polar Charts



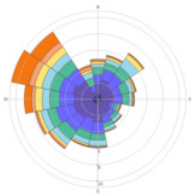
(/python/radar-chart/)

Radar Charts



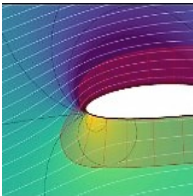
(/python/ternary-contour/)

Ternary contours



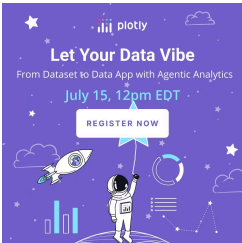
(/python/wind-rose-charts/)

Wind Rose and Polar Bar Charts




(/python/smith-charts/)

Smith Charts



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Dash your way to interactive web apps.

No JavaScript required!

GET STARTED NOW

My First App with Data, Graph, and Controls

pop


lifeExp

gdpPerCap

country	pop	continent	lifeExp	gdpPerCap
Afghanistan	31889923	Asia	43.828	974.5883384
Albania	2600522	Europe	76.422	5937.629525999999
Algeria	33333216	Africa	72.361	6223.367465
Angola	12420676	Africa	42.731	4707.231267
Argentina	40301927	Americas	75.32	12779.37964
Australia	20434176	Oceania	81.235	34435.367439999995
Austria	8199783	Europe	79.829	36126.4927
Bahrain	708573	Asia	75.635	29796.04854
Bangladesh	150448339	Asia	64.062	1501.253792
Belgium	10592226	Europe	79.441	33692.04908
Benin	8078314	Africa	56.728	1441.284873
Bolivia	9119152	Americas	65.554	3822.137884

1

2



Bar chart showing average life expectancy (lifeExp) by continent. The y-axis is labeled 'avg of lifeExp' and ranges from 0 to 80. The x-axis is labeled 'continent' and includes Asia, Europe, Africa, Americas, and Oceania. The bars show that Oceania has the highest average life expectancy, followed by Europe, Americas, Asia, and Africa.

(https://dash.plotly.com/tutorial?utm_medium=graphing_libraries&utm_content=python_footer)

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