

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

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Python (/python) > Chart Events (/python/chart-events) > Jupyter Lab with FigureWidget



Suggest an edit to this (<https://github.com/plotly/plotly.py/edit/doc-prod/doc/python/jupyter-lab-tools.md>)

# Jupyter Lab with FigureWidget in Python

Using Plotly FigureWidgets with Jupyter Lab

Plotly Studio: Transform any dataset into an interactive data application in minutes with AI. [Sign up for early access now.](https://plotly.com/studio/?utm_medium=graphing-libraries&utm_campaign=studio_early_access&utm_content=sidebar) ([https://plotly.com/studio/?utm\\_medium=graphing-libraries&utm\\_campaign=studio\\_early\\_access&utm\\_content=sidebar](https://plotly.com/studio/?utm_medium=graphing-libraries&utm_campaign=studio_early_access&utm_content=sidebar))

## Create a New View for Output

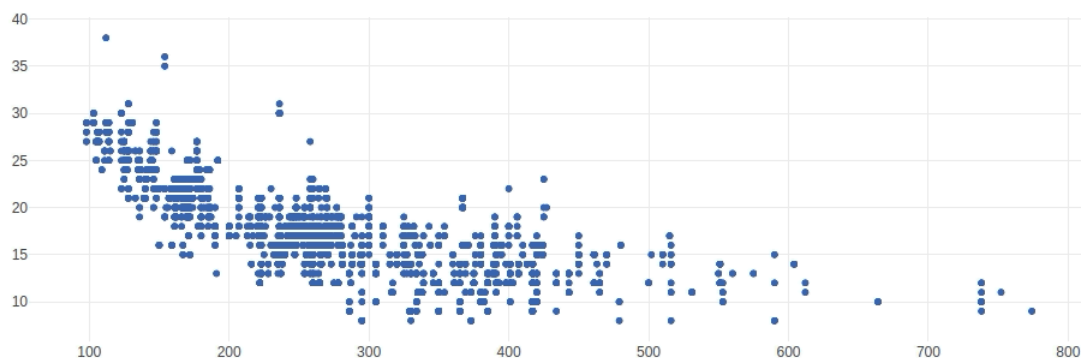
Display a FigureWidget and then create a new window to display it in so that you can scroll through your code but still keep an eye on what you're doing.

### Display Figure

Before online or offline `iplobt`. Still supported, but not needed with `FigureWidget`

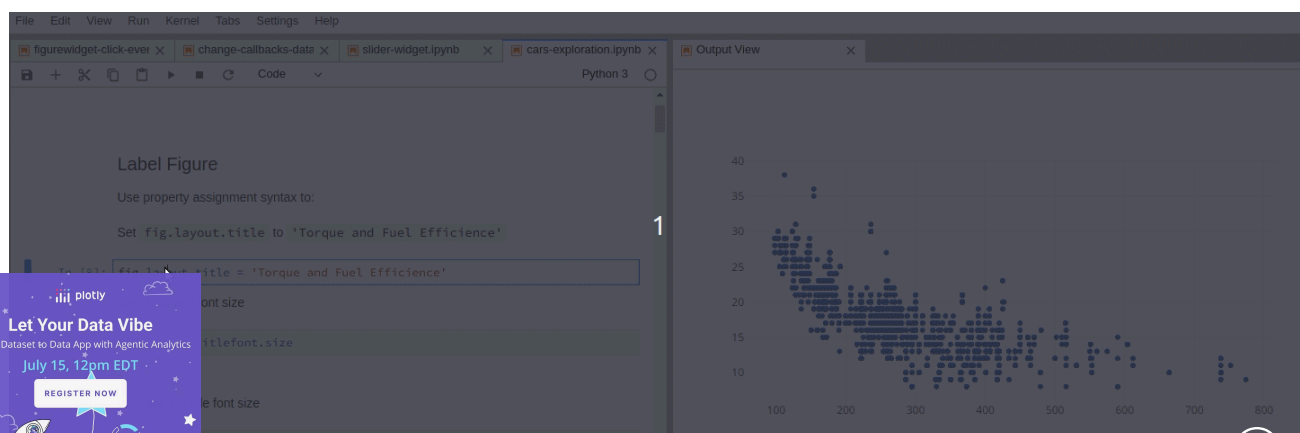
[9]:

`fig`



## View Live Updates

With the output view it is easy to take full advantage of FigureWidgets new imperative-style graph updates since you can see your code and your graph at the same time.



Reference

See [these Jupyter notebooks \(https://github.com/jonmmease/plotly\\_ipywidget\\_notebooks\)](https://github.com/jonmmease/plotly_ipywidget_notebooks) for even more FigureWidget examples.

What About Dash?

[Dash \(https://dash.plot.ly/\)](https://dash.plot.ly/) is an open-source framework for building analytical applications, with no Javascript required, and it is tightly integrated with the Plotly graphing library.

Learn about how to install Dash at <https://dash.plot.ly/installation> (https://dash.plot.ly/installation).


Everywhere in this page that you see fig.show(), you can display the same figure in a Dash application by passing it to the figure argument of the [Graph component \(https://dash.plot.ly/dash-core-components/graph\)](https://dash.plot.ly/dash-core-components/graph) from the built-in dash\_core\_components package like this:

```
import plotly.graph_objects as go # or plotly.express as px
fig = go.Figure() # or any Plotly Express function e.g. px.bar(...)
# fig.add_trace( ... )
# fig.update_layout( ... )

from dash import Dash, dcc, html

app = Dash()
app.layout = html.Div([
    dcc.Graph(figure=fig)
])

app.run(debug=True, use_reloader=False) # Turn off reloader if inside Jupyter
```



# Dash your way to interactive web apps.

No JavaScript required!

GET STARTED NOW

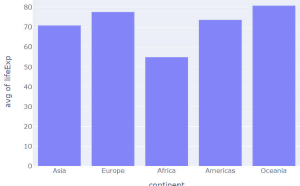
My First App with Data, Graph, and Controls

pop

lifeExp

gdpPerCap

country	pop	continent	lifeExp	gdpPerCap
Afghanistan	33889923	Asia	43.828	974.5883384
Albania	3600522	Europe	76.423	5927.829525999999
Algeria	33332216	Africa	72.381	6223.367465
Angola	13226476	Africa	42.731	4707.211267
Argentina	40501927	Americas	75.32	12779.17664
Australia	20434176	Oceania	81.235	34435.367430000005
Austria	8199783	Europe	79.829	36526.4927
Bahrain	708573	Asia	75.635	29796.04834
Bangladesh	150448339	Asia	64.062	1701.253793
Belgium	10591226	Europe	79.441	33092.48908
Benin	8078324	Africa	56.728	1441.284873
Bolivia	9139152	Americas	65.554	3822.137084



(https://dash.plotly.com/tutorial?utm\_medium=graphing\_libraries&utm\_content=python\_footer)

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
Resources (https://plotly.com/resources/)

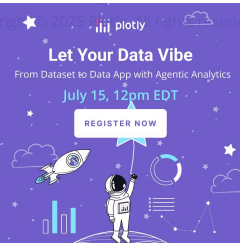
Blog (https://medium.com/@plotlygraphs)

**Support**

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