

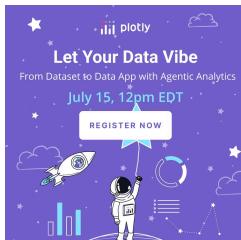
a- **plotly** | Graphing Libraries (<https://plotly.com/>) / graphing-libraries/
utm_medium=graphing_libraries&utm_campaign=studio_cloud_launch&utm_content=sidebar

D **Python (/python) > Maps (/python/maps) > MapLibre Migration** Suggest an edit to this page (<https://github.com/plotly/plotly.py/edit/doc-prod/doc/python/migrate-to-maplibre.md>)

MapLibre Migration in Python

apLibre Migrating from Mapbox traces to MapLibre traces.

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Migrating from Mapbox traces to MapLibre traces

With the release of Plotly.py v5.24.0, we are introducing a new set of trace types for maps with tile underlays, including from Plotly Express:

- px.scatter_map
- px.line_map
- px.choropleth_map
- px.density_map

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as well as Plotly Graph Objects:

- go.Choroplethmap
- go.Scattermap
- go.Densitymap

These traces replace the existing Mapbox traces, px.scatter_mapbox, px.line_mapbox, etc., but use [MapLibre](https://maplibre.org) (<https://maplibre.org>) as the map renderer rather than Mapbox.

When switching to the new traces, keep an eye out for improved rendering performance, WebGL2 support, and over time, improved features in the Plotly map traces inherited from the MapLibre renderer, including projection support, globe views, terrain support, and support for modern mapping standards.

You can learn more about the motivations for this change in our [announcement post](https://plotly.com/blog/plotly-is-switching-to-maplibre/) (<https://plotly.com/blog/plotly-is-switching-to-maplibre/>).

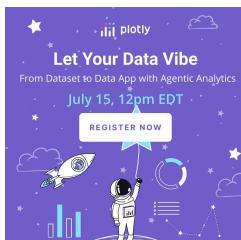
As a result of removing Mapbox as the rendering engine, we're also removing the Mapbox branding from these trace names. This means that migrating from Mapbox traces to MapLibre traces will require some code changes in your projects.

1. Change trace names from *mapbox to *map. For any existing trace name ending in *mapbox, ensure you've removed the "box" suffix.
2. If in use, update layout.mapbox argument in your layout configuration to layout.map. The nested properties are identical in the new map traces, so no other changes should be required.
3. If in use, update mapbox_style to map_style.
4. Verify your map_style settings. With mapbox traces, we bundle basic, streets, outdoors, light, dark, satellite, and satellite-streets styles, using Mapbox styling. These style names are still available, but they now reference slightly different styles provided by other tools.

Note that Mapbox API keys are no longer required for Plotly-provided styles, but using external styles in your Plotly maps remains supported with the existing API.

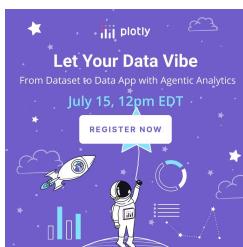
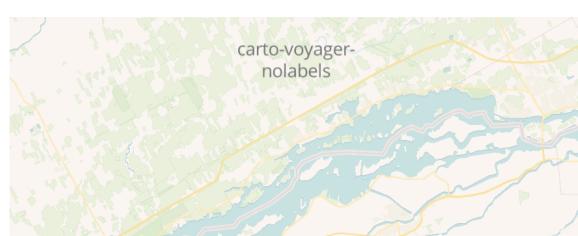
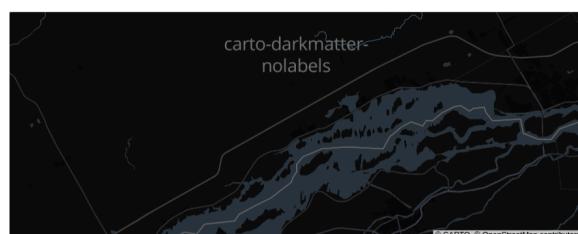
Style changes

Built-in styles in map traces are free styles from [Carto](https://carto.com) (<https://carto.com>) and [ESRI](https://www.esri.com/en-us/home) (<https://www.esri.com/en-us/home>). Several names are re-used from the previous Mapbox styles.



Predefined styles in maps

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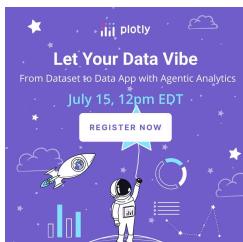


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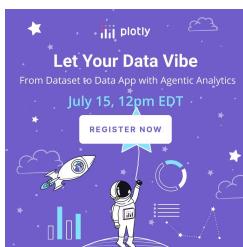
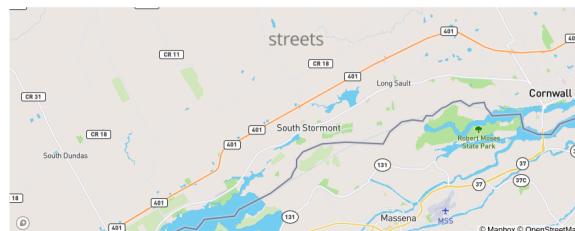


Predefined styles in mapbox

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What About Dash?

[Dash](https://dash.plotly.com/) (<https://dash.plotly.com/>) 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.plotly/installation> (<https://dash.plotly/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.plotly.com/dash-core-components/graph) (<https://dash.plotly.com/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.

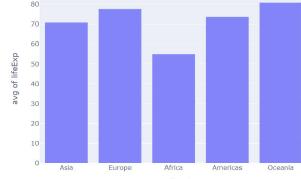
No JavaScript required!

[GET STARTED NOW](#)

My First App with Data, Graph, and Controls

country	pop	continent	lifeExp	gdppercap
Afghanistan	31889923	Asia	43.828	974.5803384
Albania	3000523	Europe	70.423	5937.02252599999
Algeria	33333216	Africa	72.381	6223.367465
Angola	134200276	Africa	42.731	4797.231267
Argentina	40019127	Americas	75.32	12779.37964
Australia	20434176	Oceania	81.235	34435.36743909999
Austria	8199783	Europe	79.829	30326.4927
Bahrain	708573	Asia	75.635	29796.04834
Bangladesh	158448359	Asia	64.062	1301.353702
Belgium	103912126	Europe	79.441	33092.68598
Benin	8078314	Africa	56.728	1441.264873
Bolivia	9119152	Americas	69.554	3822.237084

avg of lifeExp



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

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