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

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utm_campaign=studio_cloud_launch&utm_content=sidebar)

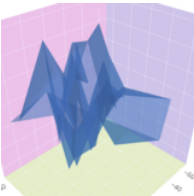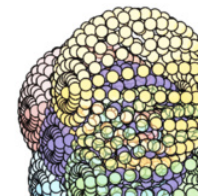*Python (/python) > 3D Charts (/python/3d-charts)*

Plotly Python Open Source Graphing Library 3D Charts

Plotly's Python graphing library makes interactive, publication-quality graphs online. Examples of how to make 3D charts.
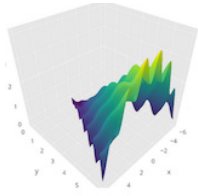
> Plotly Studio: Transform any dataset into an interactive data application in minutes with AI. Sign up for early access now. (https://plotly.com/studio/?utm_medium=graphing_libraries&utm_campaign=studio_early_access&utm_content=sidebar)
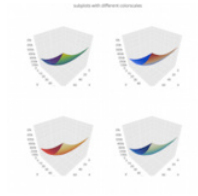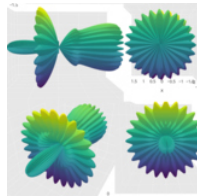
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3D Axes
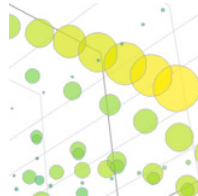
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3D Scatter Plots

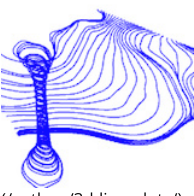(/python/3d-surface-plots/)
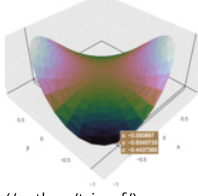**3D Surface Plots**

(/python/3d-subplots/)
3D Subplots

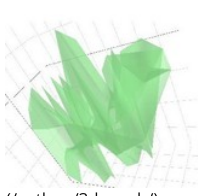(/python/3d-camera-controls/)
3D Camera Controls

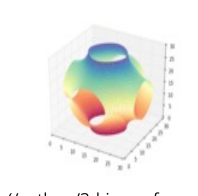(/python/3d-bubble-charts/)
3D Bubble Charts
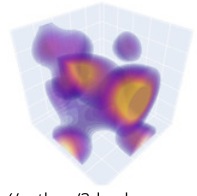
(/python/3d-line-plots/)
3D Line Plots

(/python/trisurf/)
Trisurf Plots

(/python/3d-mesh/)
3D Mesh Plots

(/python/3d-isosurface-plots/)
3D Isosurface Plots

(/python/3d-volume-plots/)
3D Volume Plots
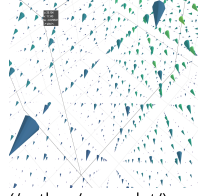
(/python/cone-plot/)
3D Cone Plots
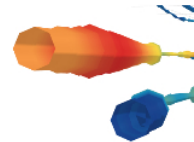
(/python/streamtube-plot/)
3D Streamtube Plots

3D Charts in Dash

Dash (https://plotly.com/dash/) is the best way to build analytical apps in Python using Plotly figures. To run the app below, run `pip install dash`, click "Download" to get the code and run `python app.py`.

Get started with the official Dash docs (https://dash.plotly.com/installation) and learn how to effortlessly style (https://plotly.com/dash/design-kit/) & deploy (https://plotly.com/dash/app-manager/) apps like this with Dash Enterprise (https://plotly.com/dash/).

```
from dash import Dash, dcc, html, Input, Output
import plotly.express as px

app = Dash(__name__)

app.layout = html.Div([
    html.H4('Iris samples filtered by petal width'),
    dcc.Graph(id="graph"),
    html.P("Petal Width:"),
    dcc.RangeSlider(
        id='range-slider',
        min=0, max=2.5, step=0.1,
        marks={0: '0', 2.5: '2.5'},
        value=[0.5, 2]
    ),
])

@app.callback(
    Output("graph", "figure"),
    Input("range-slider", "value"))
def update_bar_chart(slider_range):
    df = px.data.iris() # replace with your own data source
    low, high = slider_range
    mask = (df.petal_width > low) & (df.petal_width < high)
```

Iris samples filtered by petal width

Petal Width:

0   2.5

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...Plotly — from Dash Club

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