

# Use Plotly graph for HTML and PDF output

**i** TL;DR

[Plotly for Python](#) will produce HTML output and it needs to be handled specifically if you want to target PDF output too.

This document shows an example of following [plotly doc](#) to save output as an image to include in PDF.

It leverages quarto [conditional content feature](#)

## Two Figures

```
import plotly.graph_objects as go
from IPython.display import Image
import numpy as np
np.random.seed(1)

N = 100
x = np.random.rand(N)
y = np.random.rand(N)
colors = np.random.rand(N)
sz = np.random.rand(N) * 30

fig = go.Figure()
fig.add_trace(go.Scatter(
    x=x,
    y=y,
    mode="markers",
    marker=go.scatter.Marker(
        size=sz,
        color=colors,
        opacity=0.6,
```

```
    colorscale="Viridis"  
  )  
))
```

```
import kaleido # to avoid 'ValueError: Image export using the "kaleido" engine requires the l  
img_bytes = fig.to_image(format="png")
```

```
Image(img_bytes)
```

