Plotly

How to Wrap Text in Plotly's Sunburst Diagram

Last updated on Feb 10, 2025

To improve readability in Plotly's **Sunburst Diagram**, we need a way to **wrap text** inside the chart. This is needed when work with long text labels which get cut off sometimes. We can fix the issue by using simple method:

```python
def customwrap(s,width=30):
    return "<br>".join(textwrap.wrap(s,width=width))
```

Ways to Wrap Text in a Sunburst Diagram

Since **Plotly does not support direct text wrapping**, we can use the following techniques:
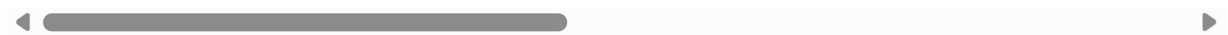
1. Insert Line Breaks (`<br>`) in Labels

2. Use `texttemplate` to Format Labels

We are going to use the following data:

```
import pandas as pd

df = pd.DataFrame({
    "labels": ["Sales Department", "Sales Department", "
              "Software Engineering", "Sales Department
    "parents": ["Company1", "Company1", "Company2", "Com
    "people": ["Augustus Caesar Augustus", "Tiberius Cae
              "Claudius Tiberius Claudius Caesar August
})

df
```

data:

	LABELS	PARENTS	PEOPLE
0	Sales Department	Company1	Aug
1	Sales Department	Company1	Ti
2	Marketing Team	Company2	Caligula Gaius Caesa
3	Software Engineering	Company2	Claudius Tiberius Claudius Caesa
4	Software Engineering	Company1	

Example: Wrapping Text in a Sunburst Chart
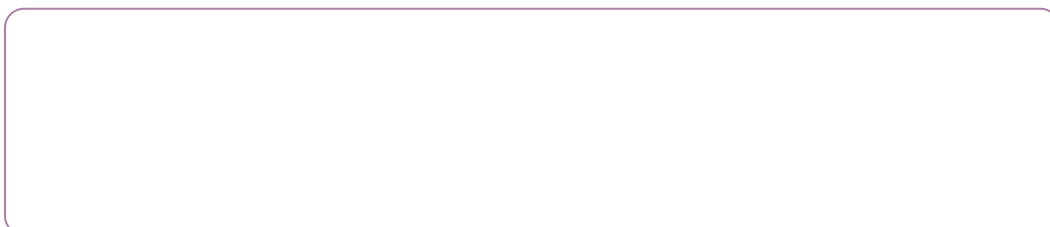
values to wrap

```python
def customwrap(s,width=20):
    try:
        return "<br>".join(textwrap.wrap(s,width=width))
    except:
        return None


df['people adj'] = df['people'].map(customwrap)
```
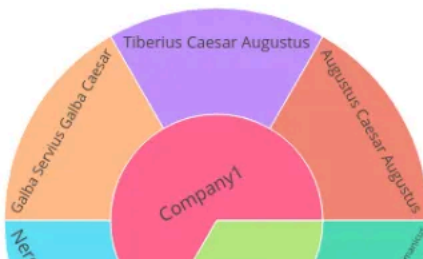
then we are going to plot the Sunburst diagram:
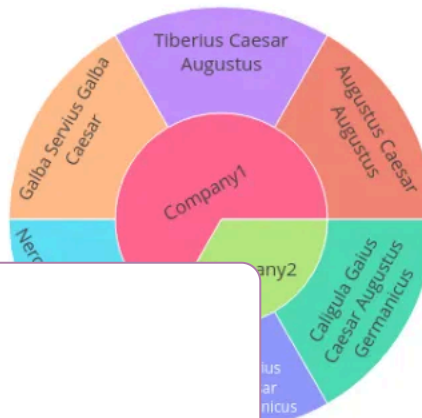
```python
import plotly.express as px
fig2 = px.sunburst(df, path=['parents', 'people adj'], c
fig2.update_layout(title_text="Wrap up text ", font_size
                width=500, height=500)
fig2.show()
```

You can compare the results below:

Wrap Text in Plotly's Sunburst Diagram

Resources

This post is inspired by:

- https://stackoverflow.com/questions/62151608/how-to-wrap-text-in-plotly-pys-sunburst-diagram

Conclusion

Although Plotly **does not support automatic text wrapping**, using wrap with line breaks (`<br>`) significantly improves label readability in **Sunburst Charts**.

PREVIOUS

NEXT

How to Make Radar Charts with Python

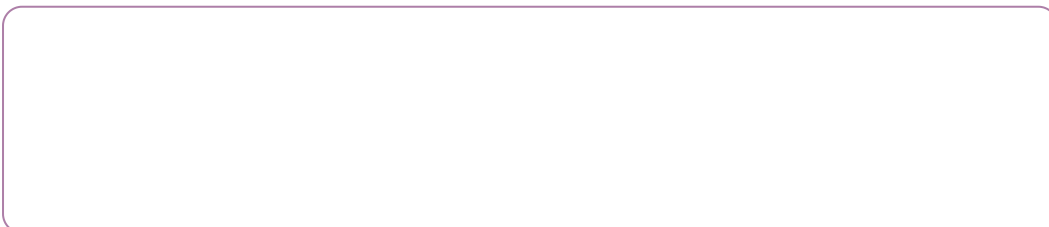## How to Customize Pandas Pie Plot with Labels and Legend

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