# Participant

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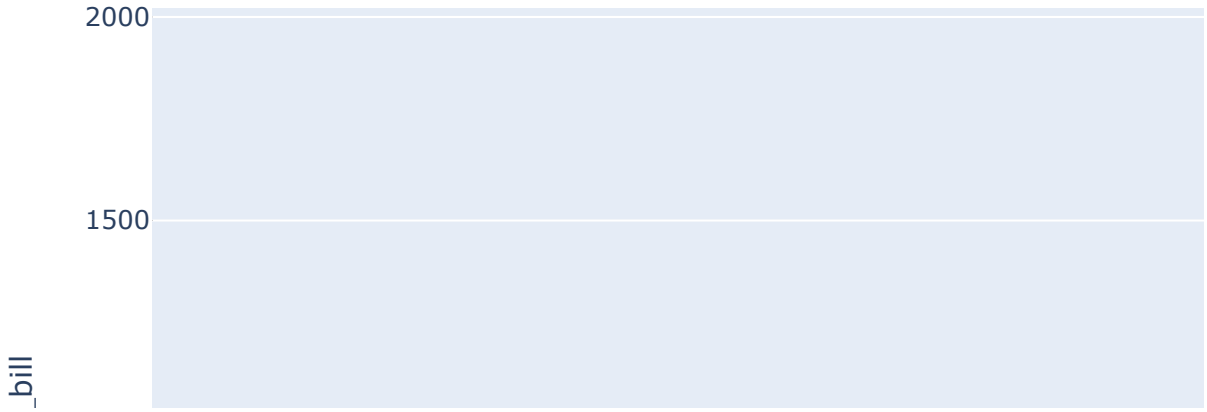
# PL0TLY

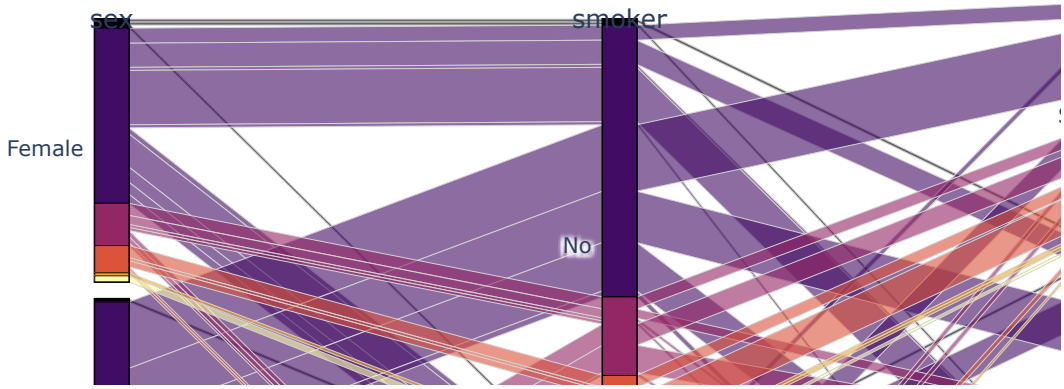
In [ ]:

```
import plotly.express as px
df = px.data.tips()
fig = px.bar(df, x="sex", y="total_bill", color="smoker", barmode="group")
fig.show()
```




In [ ]:

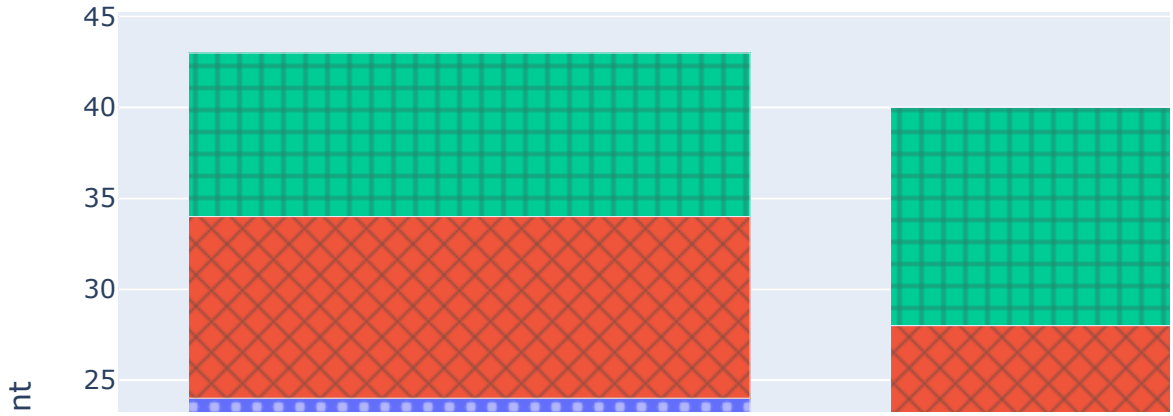
```
import plotly.express as px
df = px.data.tips()
fig = px.parallel_categories(df, color="size", color_continuous_scale=px.c
fig.show()
```




In [ ]:

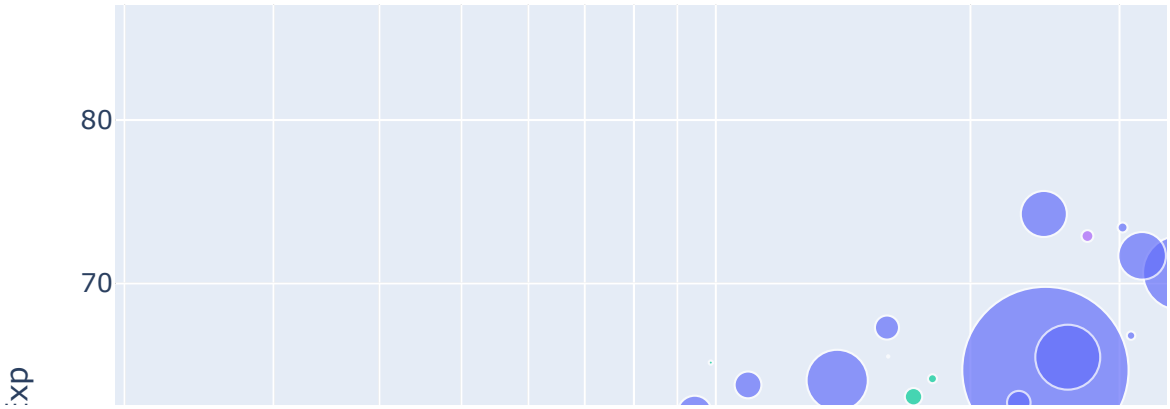
```
import plotly.express as px
df = px.data.medals_long()

fig = px.bar(df, x="medal", y="count", color="nation",
             pattern_shape="nation", pattern_shape_sequence=[".", "x", "+"
fig.show()
```



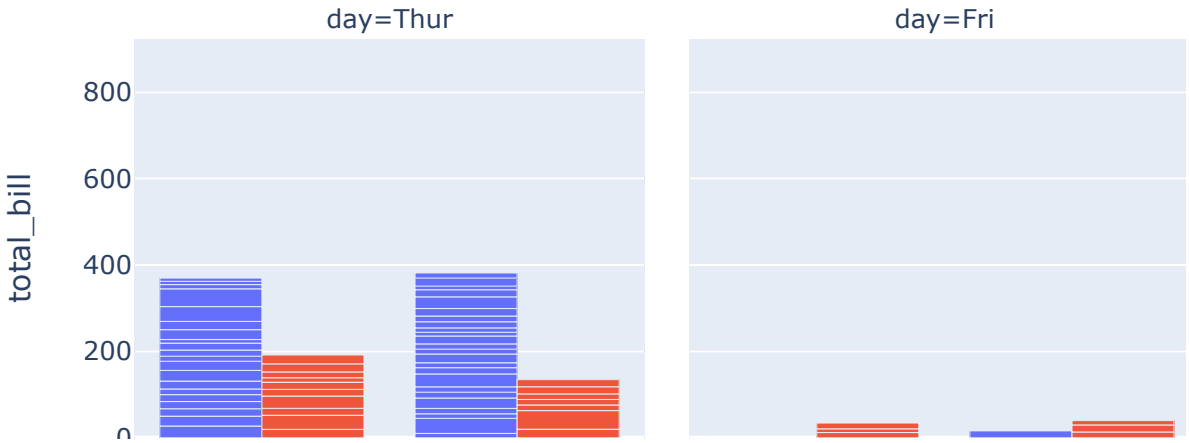

In [ ]:

```
import plotly.express as px
df = px.data.gapminder()
fig = px.scatter(df.query("year==2007"), x="gdpPercap", y="lifeExp", size="
           hover_name="country", log_x=True, size_max=60)
fig.show()
```



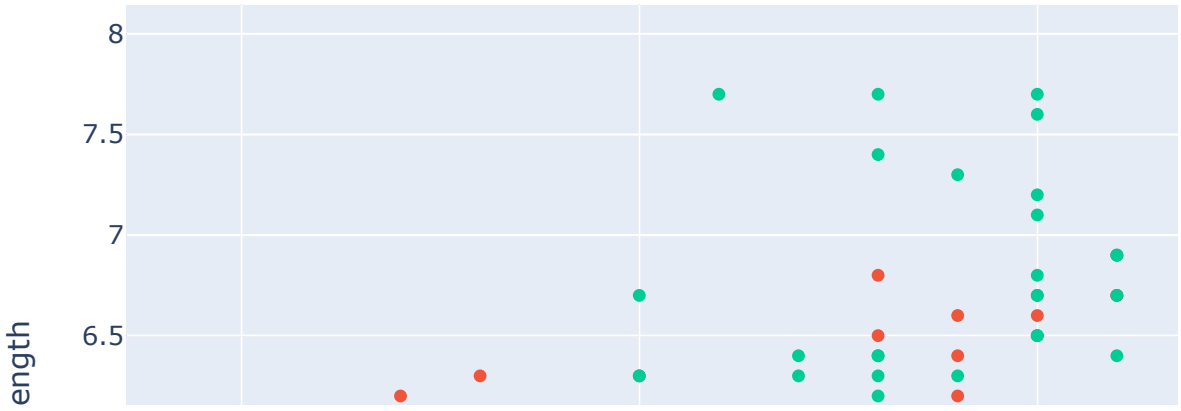

In [ ]:

```
import plotly.express as px
df = px.data.tips()
fig = px.bar(df, x="sex", y="total_bill", color="smoker", barmode="group",
       category_orders={"day": ["Thur", "Fri", "Sat", "Sun"], "time": ["Lu
fig.show()
```




In [ ]:

```
import plotly.express as px
df = px.data.iris()
fig = px.scatter(df, x="sepal_width", y="sepal_length", color="species")
fig.show()
```




In [ ]:

```
import plotly.express as px
df = px.data.gapminder().query("year == 2007").query("continent == 'Europe
df.loc[df['pop'] < 2.e6, 'country'] = 'Other countries' # Represent only l
fig = px.pie(df, values='pop', names='country', title='Population of Europe
fig.show()
```

# Population of European continent