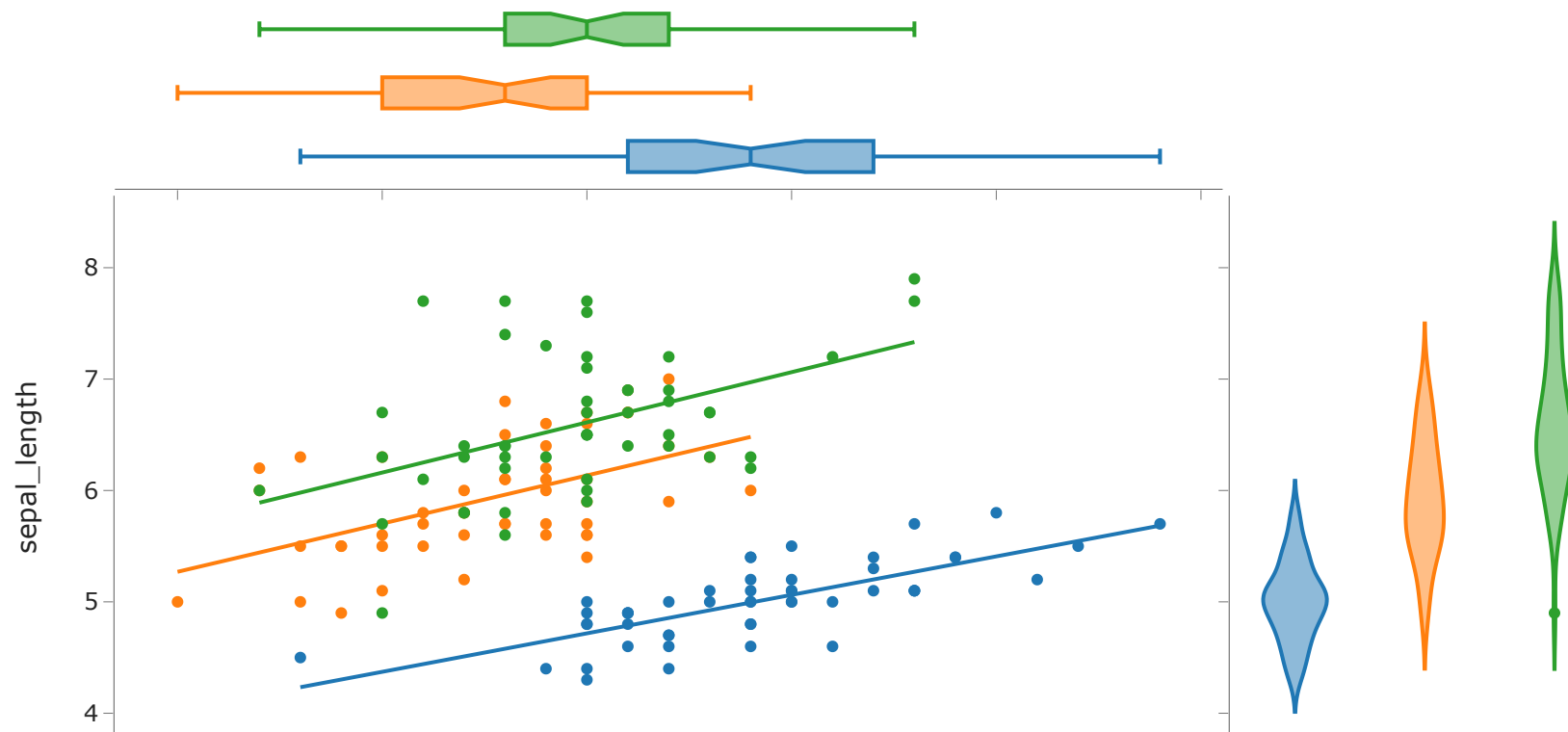
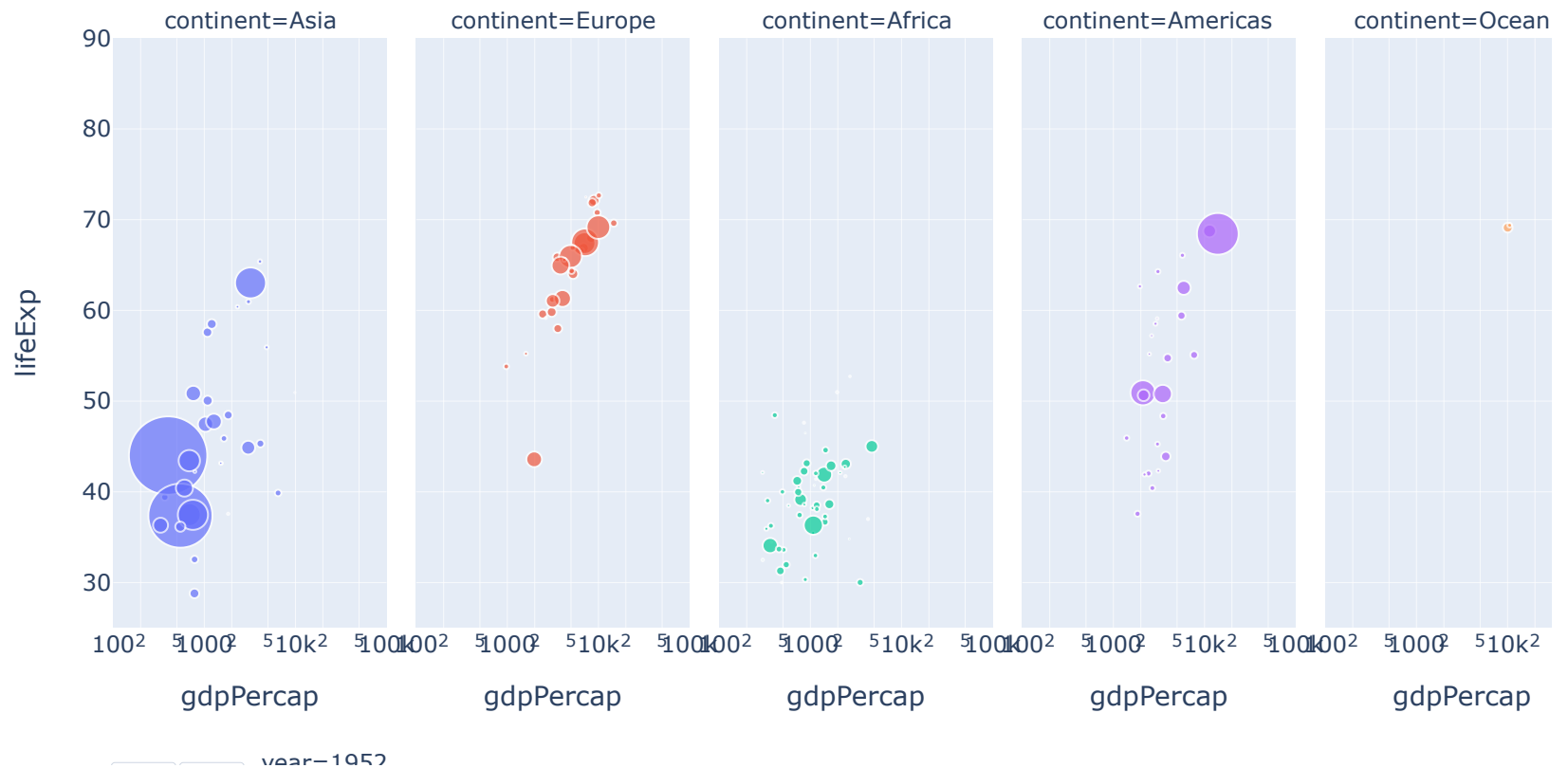


```
In [1]: #pip install plotly
```

```
In [2]: import plotly.express as px
df = px.data.iris()
fig = px.scatter(df, x="sepal_width" ,y="sepal_length" ,color="species" , marginal_y="violin",
                marginal_x="box", trendline="ols" , template="simple_white")
fig.show()
```



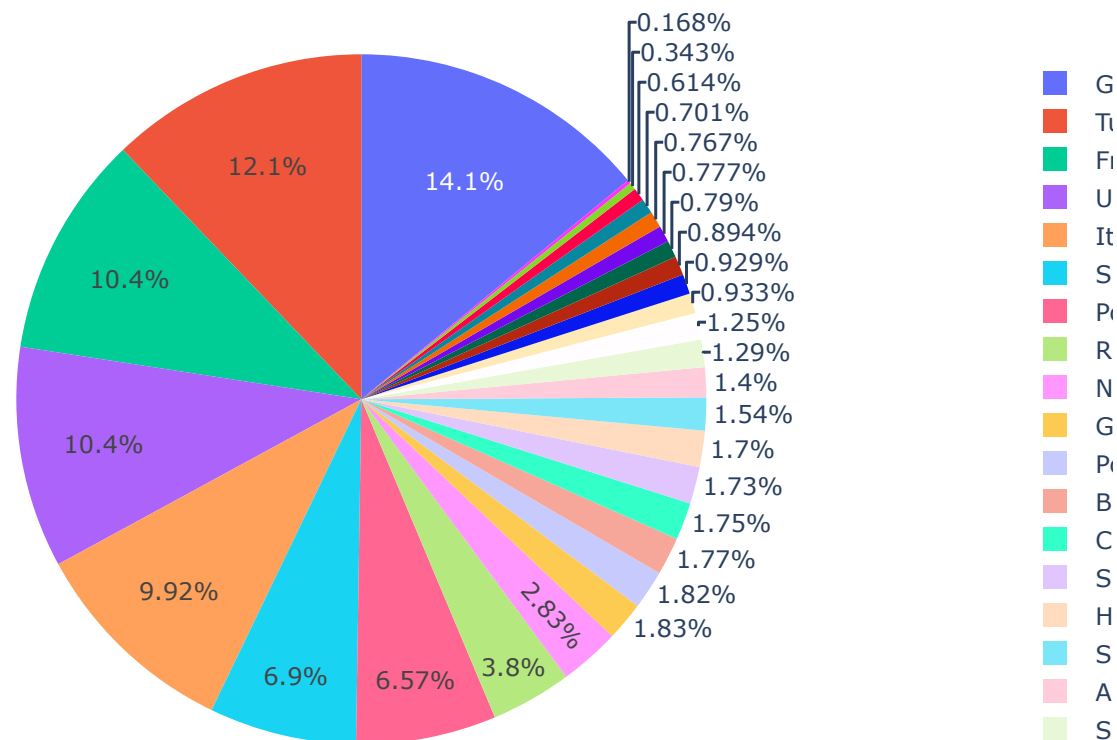
```
In [3]: import plotly.express as px
df = px.data.gapminder()
fig = px.scatter(df, x="gdpPercap", y="lifeExp", animation_frame="year", animation_group="country",
                size="pop", color="continent", hover_name="country", facet_col="continent",
                log_x=True, size_max=45, range_x=[100, 100000], range_y=[25, 90])
fig.show()
```



```
In [4]: 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 large countries
```

```
fig = px.pie(df, values="pop", names="country", title="Population of Europe continent")
fig.show()
```

## Population of Europe continent



```
In [5]: import plotly.express as px
df = px.data.gapminder().query("year == 2007")
fig = px.sunburst(df, path=['continent', 'country'], values='pop', color='lifeExp', hover_data=['iso_alpha'])
fig.show()
```

