# Line plot with multi facets

In [2]:
```
# Copied from seaborn website gallery

import seaborn as sns
import matplotlib.pyplot as plt
import numpy as np
import pandas as pd

sns.set_theme(style="dark")

student = pd.read_csv('students.csv')
student.head()
```

Out[2]:

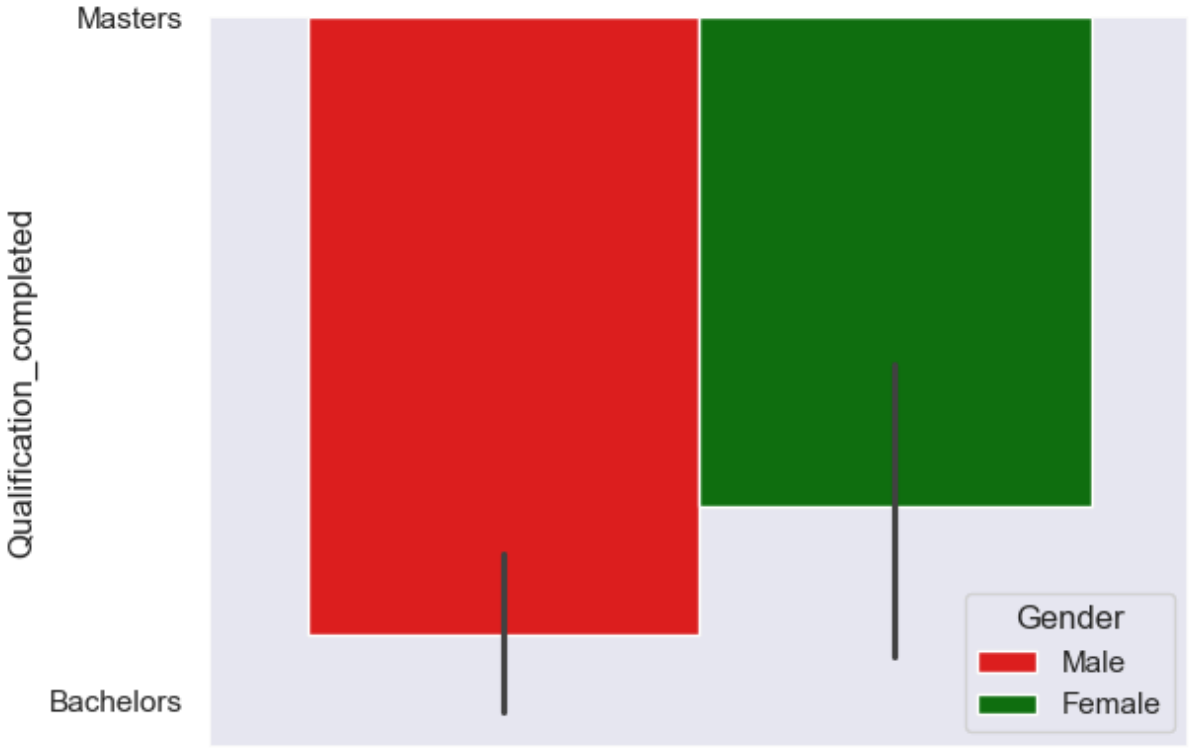
| | Gender | Location | Age | Qualification_completed | field_of_study | Purpose_for_chilla | Wł |
|---|---|---|---|---|---|---|---|
| **0** | Male | Pakistan | 36-40 | Masters | Natural Sciences | to boost my skill set | Uner |
| **1** | Male | Pakistan | 26-30 | Bachelors | CS/IT | to boost my skill set | S |
| **2** | Male | Pakistan | 31-35 | Masters | Enginnering | Switch my field of study | Em |
| **3** | Female | Pakistan | 31-35 | Masters | CS/IT | to boost my skill set | Em |
| **4** | Female | Pakistan | 26-30 | Masters | Enginnering | to boost my skill set | S |

5 rows × 23 columns

In [3]:
```
# Making bar plot

sns.barplot(data = student, y = "Qualification_completed", hue='Gender', palette =
```

Out[3]:
```
<Axes: ylabel='Qualification_completed'>
```

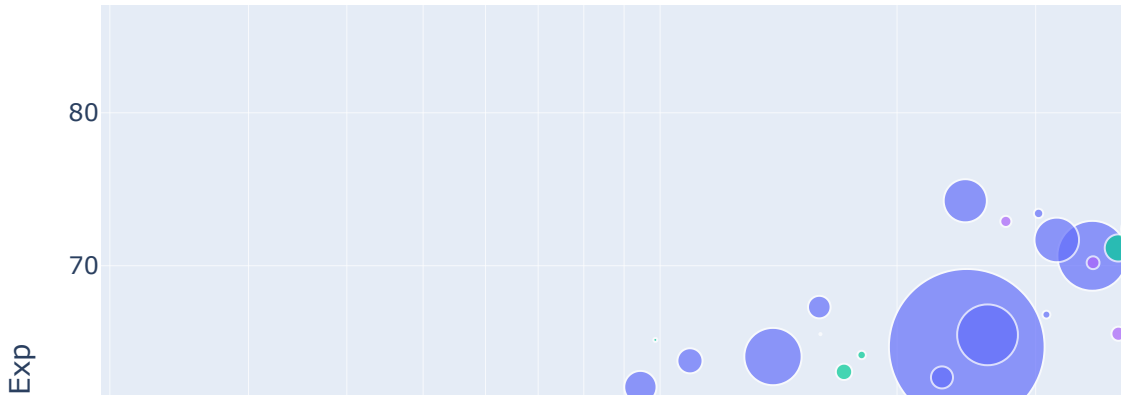



In [4]:
```
# pip install plotly
```

```
Requirement already satisfied: plotly in c:\users\amir_\anaconda3\lib\site-packages
(5.22.0)
Requirement already satisfied: tenacity>=6.2.0 in c:\users\amir_\anaconda3\lib\site-
packages (from plotly) (8.2.2)
Requirement already satisfied: packaging in c:\users\amir_\anaconda3\lib\site-packag
es (from plotly) (23.2)
Note: you may need to restart the kernel to use updated packages.
```

In [5]:
```
import plotly.express as px
df = px.data.gapminder()

fig = px.scatter(df.query("year==2007"), x="gdpPercap", y="lifeExp",
                 size="pop", color="continent",
                 hover_name="country", log_x=True, size_max=60)
fig.show()
```


80
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