

Participant

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BAR PLOTS

In []:

```
# import libraries
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
# import data
data=pd.read_csv("survey_data.csv")

data.head ()
```

Out[]:

	Timestamp	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for
0	1/4/2022 18:02:51	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my
1	1/4/2022 18:02:59	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my
2	1/4/2022 18:03:02	Male	Pakistan	31-35	Masters	Enginnering	Switch my
3	1/4/2022 18:03:03	Female	Pakistan	31-35	Masters	CS/IT	to boost my
4	1/4/2022 18:03:06	Female	Pakistan	26-30	Masters	Enginnering	to boost my

5 rows × 26 columns

In []:

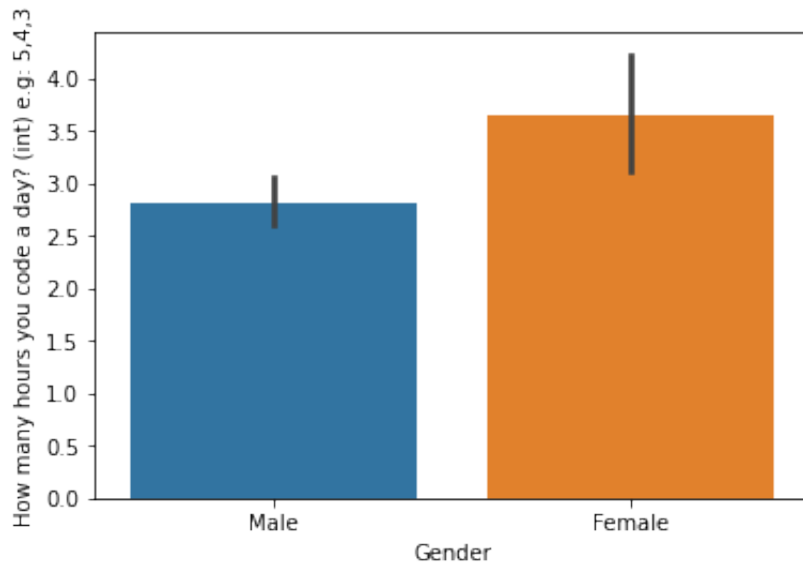
Simple Bar Plot

In []:

```

import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3")
#showing plot
plt.show ()

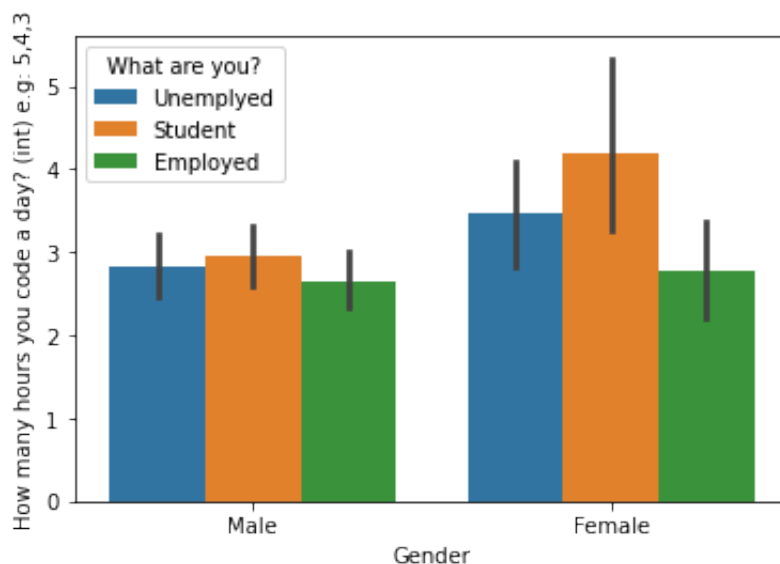
```



Bar Plot With Hue

In []:

```
#import library
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3")
#showing plot
plt.show ()
```



Background Style

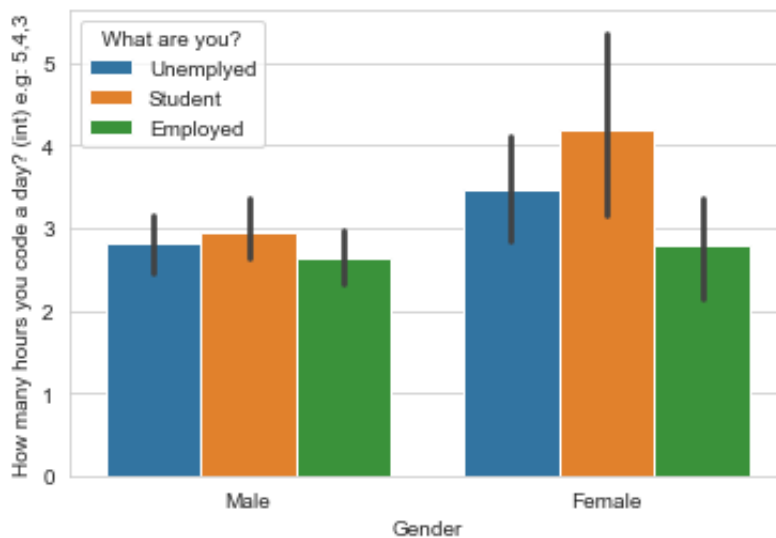
In []:

```

#import library
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#style
sns.set_style("whitegrid")
sns.set_style(style=None, rc=None)
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3")

#showing plot
plt.show ()

```



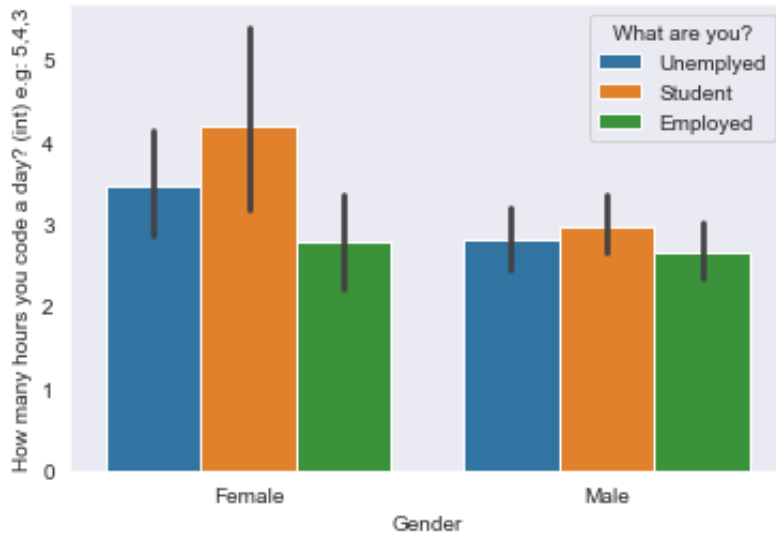
Changing Order

In []:

```

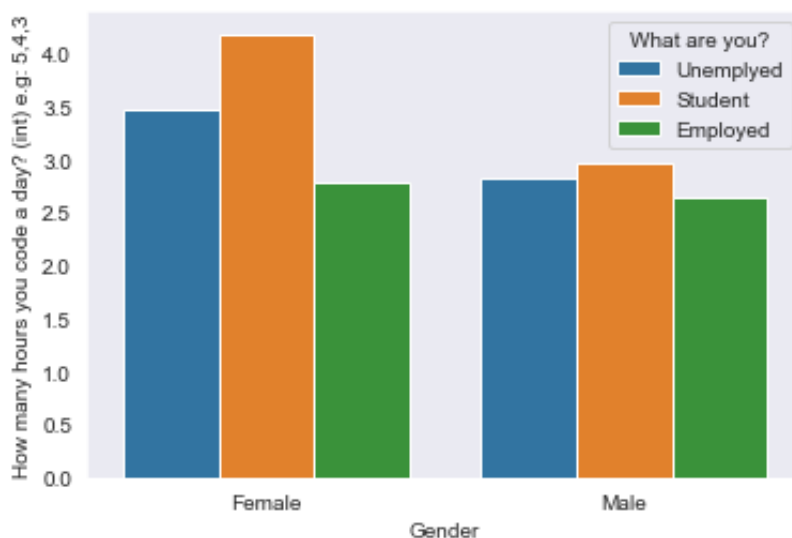
#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3",
            data=data, hue="What are you?", order=["Female", "Male"])
#showing plot
plt.show ()

```



Removing Error Strip

```
In [ ]: #import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3",
            data=data, hue="What are you?", order=["Female", "Male"],
            ci=None)
#showing plot
plt.show ()
```



Using Palette

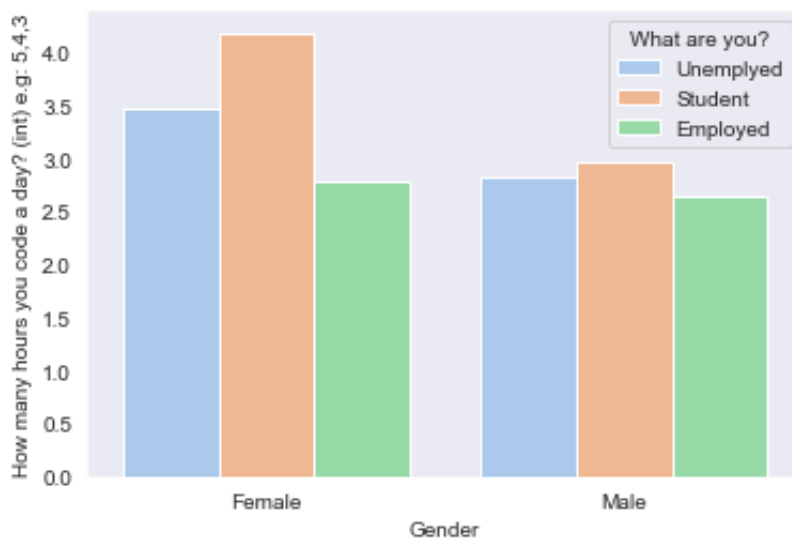
In []:

```

#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3",
            data=data, hue="What are you?", order=["Female", "Male"],
            ci=None, palette="pastel"

)
#showing plot
plt.show ()

```



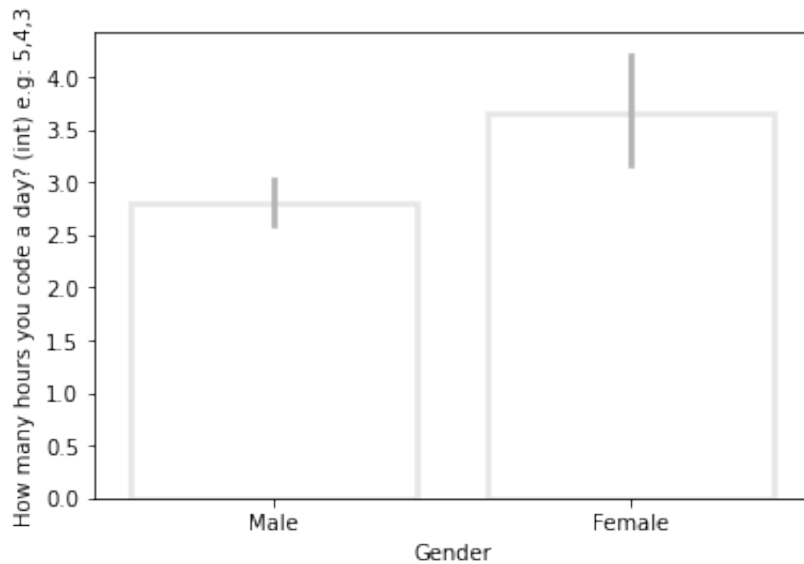
Changing Style

In []:

```

#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a bar plot
sns.barplot(x="Gender", y="How many hours you code a day? (int) e.g: 5,4,3",
            data=data, linewidth=2.5, facecolor=(.8,1,1,0), errcolor=".7",
            #showing plot
plt.show ()

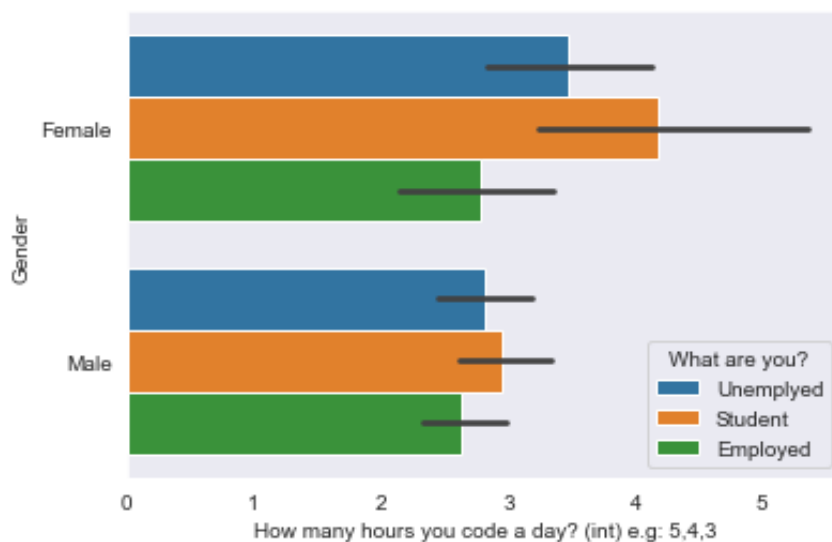
```



Horizontal Bar Plot

In []:

```
#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="How many hours you code a day? (int) e.g: 5,4,3", y="Gender",
            data=data, hue="What are you?", order=["Female", "Male"])
#showing plot
plt.show ()
```



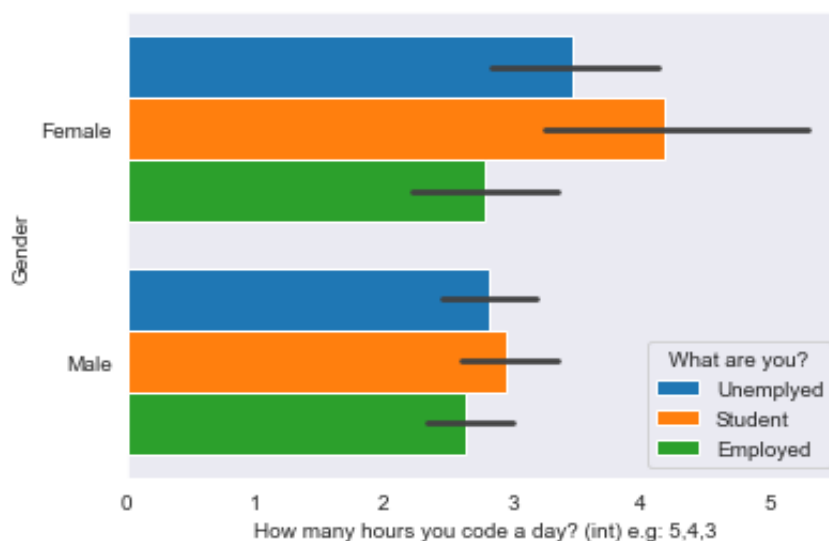
Bar Plot With Saturation

In []:

```

#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
#draw a Bar plot
sns.barplot(x="How many hours you code a day? (int) e.g: 5,4,3", y="Gender",
            data=data, hue="What are you?", order=["Female", "Male"],
            saturation=1)
#showing plot
plt.show ()

```



Changing Figure Size

In []:

```

#import library
from numpy import mean
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
#import data
data=pd.read_csv("survey_data.csv")
plt.figure(figsize=(8,6))
#draw a Bar plot
sns.barplot(x="How many hours you code a day? (int) e.g: 5,4,3", y="Gender",
            data=data, hue="What are you?", order=["Female", "Male"],
            saturation=0.1)
#showing plot
plt.show ()

```