

First Step to read data from the file

import libraries

- import pandas
- import seaborn
- import matplotlib

```
In [1]: import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
day4=pd.read_csv("C:/Users/Yasir Mehmood/Downloads/Python Programs/Chilla_data2_for_plo
day4
```

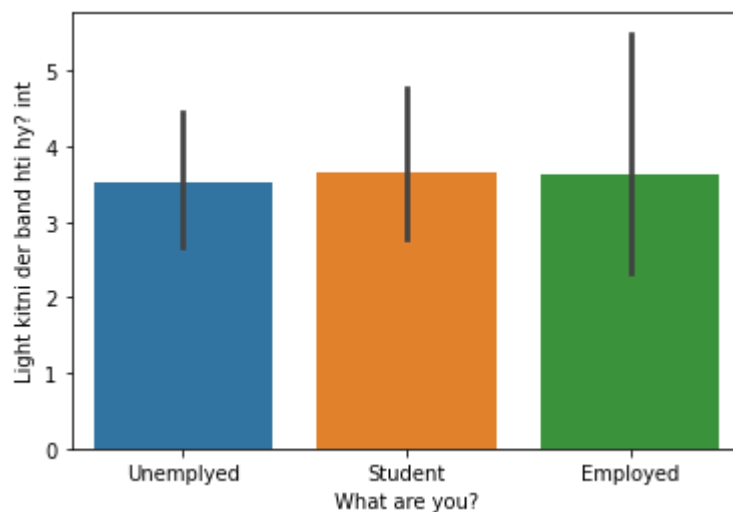
Out[1]:

	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blog
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemployed	
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student	
2	Male	Pakistan	31-35	Masters	Enginnering	Switch my field of study	Employed	
3	Female	Pakistan	31-35	Masters	CS/IT	to boost my skill set	Employed	
4	Female	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Student	
...
370	Male	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Employed	
371	Male	Pakistan	31-35	Bachelors	Enginnering	to boost my skill set	Employed	
372	Male	Pakistan	21-25	Bachelors	CS/IT	to boost my skill set	Employed	
373	Male	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Employed	
374	Female	Pakistan	31-35	Masters	Mathematics	Switch my field of study	Unemployed	

375 rows x 23 columns

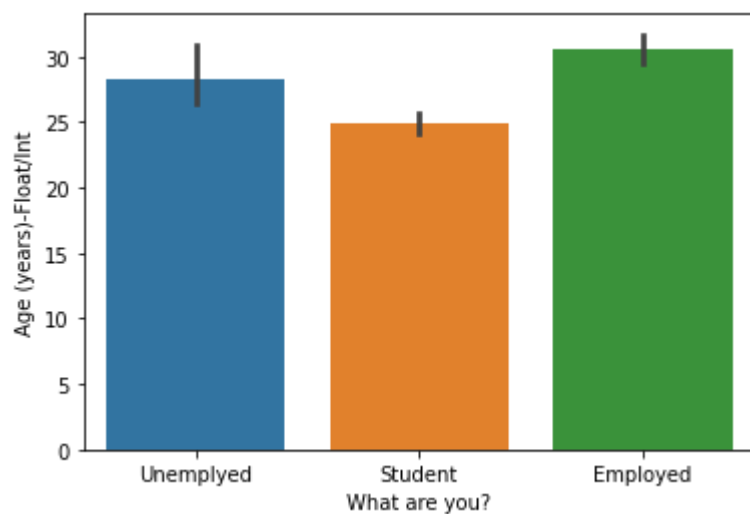
Bar Plot

```
In [6]: sns.barplot(x="What are you?", y="Light kitni der band hti hy? int", data=day4)  
plt.show()
```



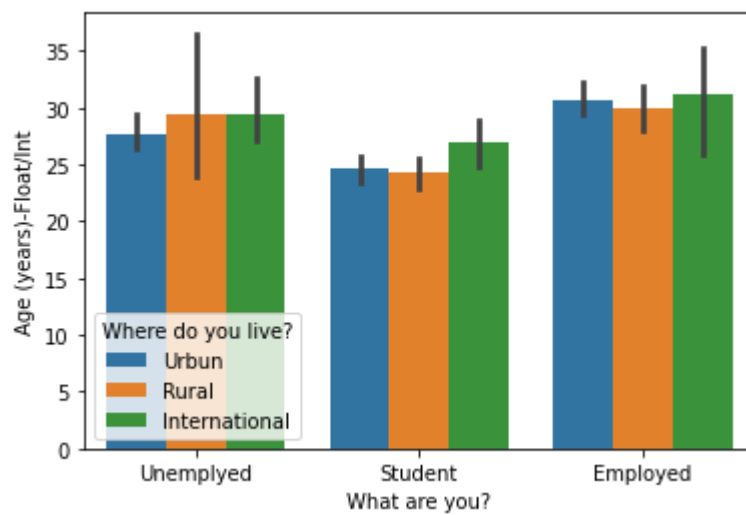
Check Graph using different elements

```
In [7]: sns.barplot(x="What are you?", y="Age (years)-Float/Int", data=day4)  
plt.show()
```

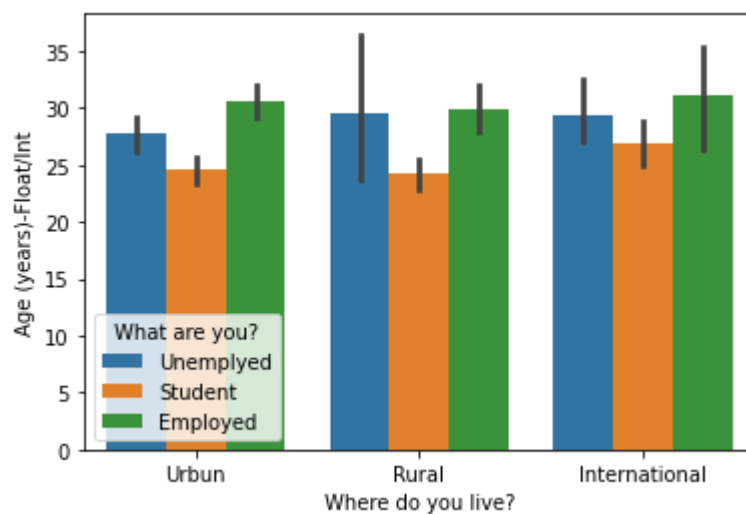


Add third element hue

```
In [11]: sns.barplot(x="What are you?", y="Age (years)-Float/Int", hue="Where do you live?", data=day4)  
plt.show()
```

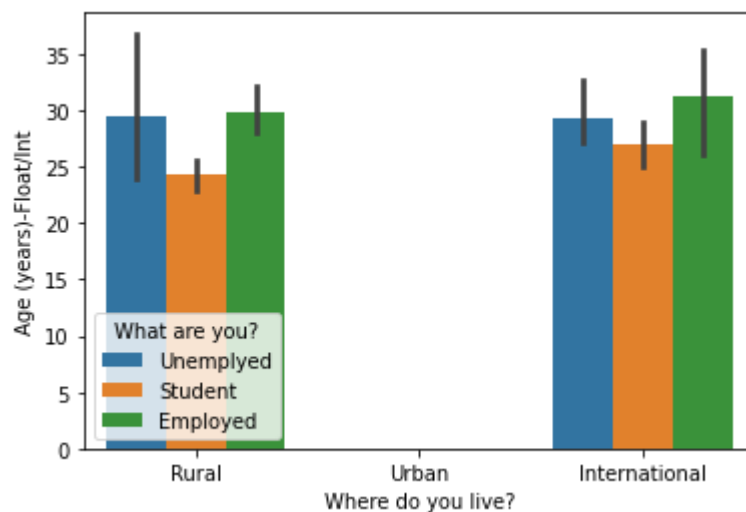


```
In [13]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=dat)
plt.show()
```



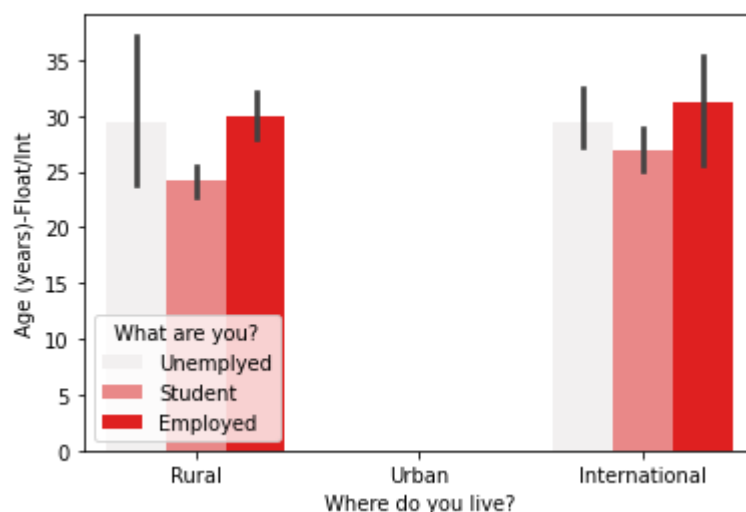
Add Order Element

```
In [17]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=dat)
plt.show()
```



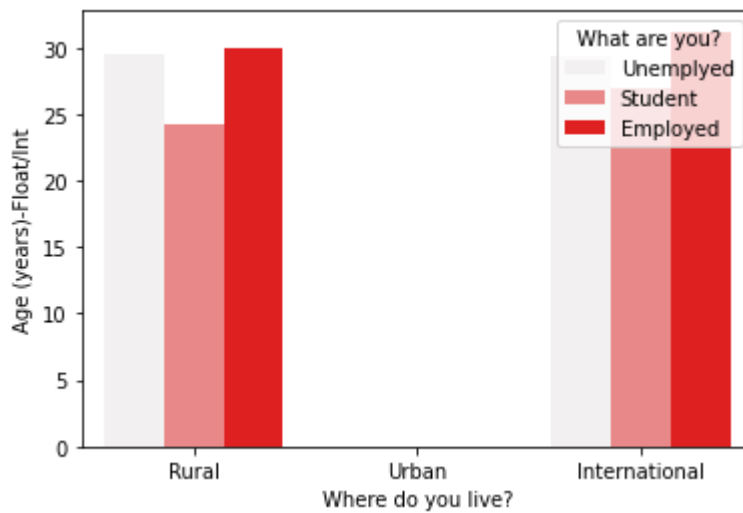
Add Color

```
In [18]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
plt.show()
```



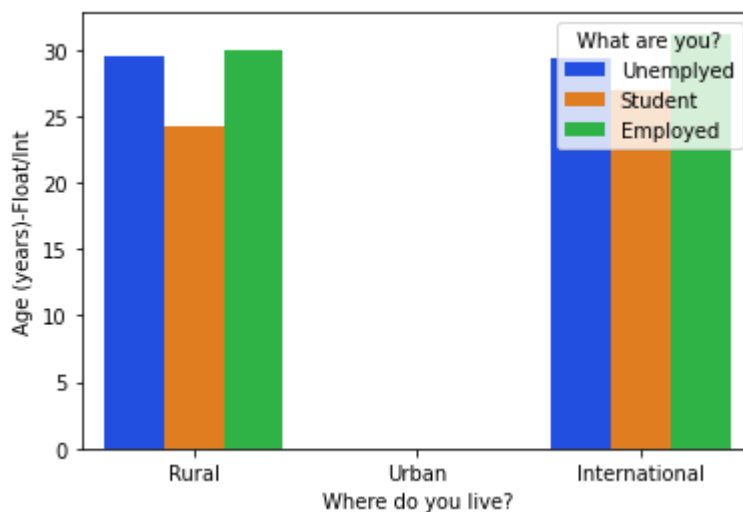
Add confidence interval Element

```
In [19]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
order=["Rural", "Urban", "International"], color="red", ci=None)
plt.show()
```



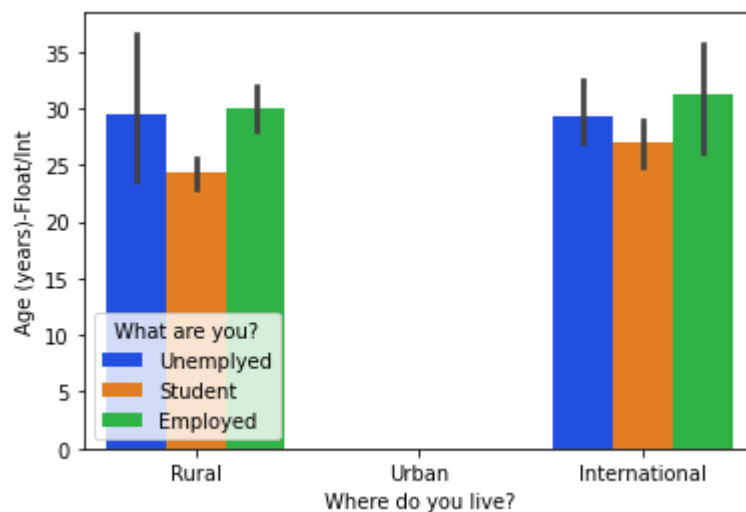
Add Palette Element

```
In [28]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
          order=["Rural", "Urban", "International"], color="red", ci=None, palette="bri
          plt.show()
```



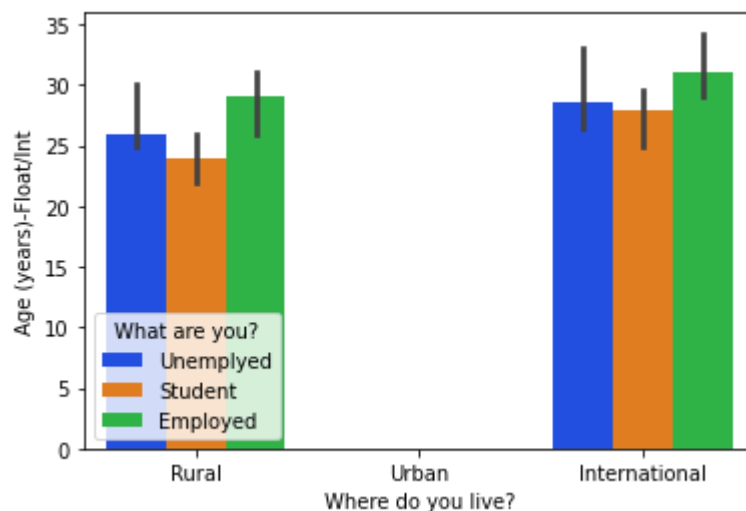
Add Mean Element

```
In [30]: from numpy import mean
          sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
                    order=["Rural", "Urban", "International"], color="red", estimator=mean, palet
                    plt.show()
```



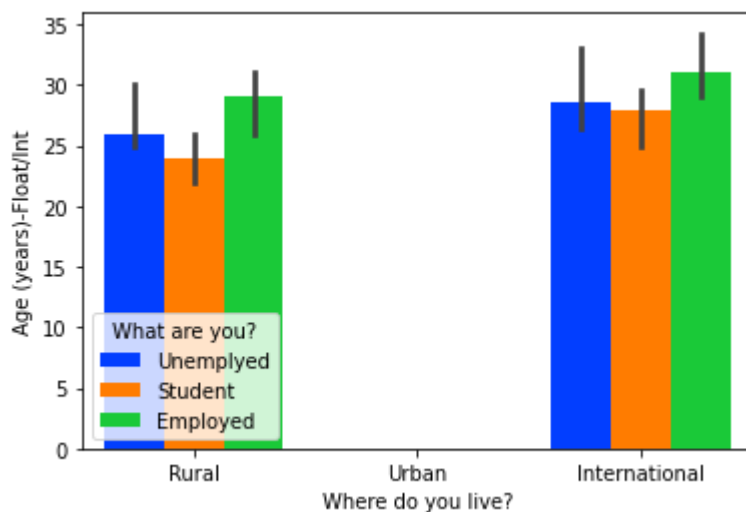
Add Median Element

```
In [35]: from numpy import median
sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
           order=["Rural", "Urban", "International"], color="red", estimator=median, pal
           plt.show())
```

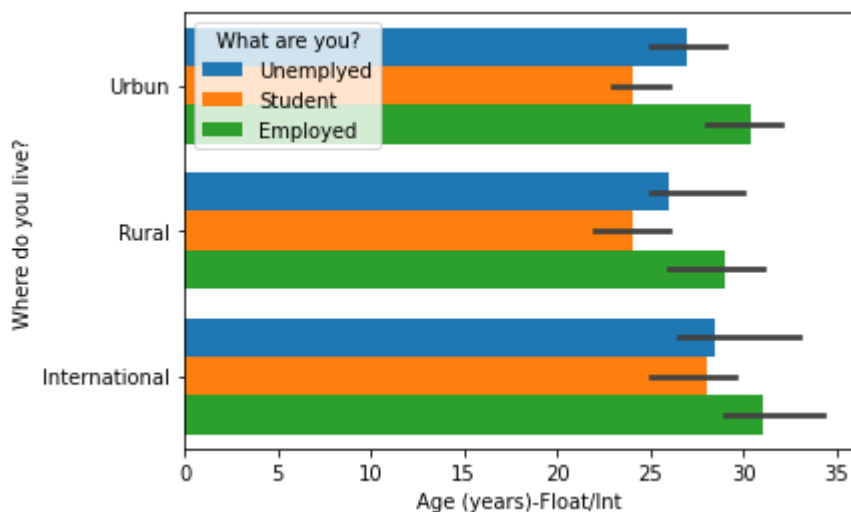


Add Saturation element

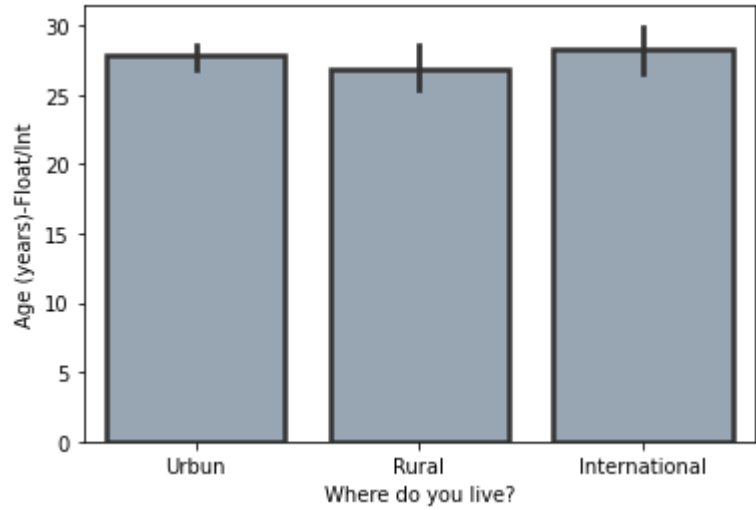
```
In [37]: from numpy import median
sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", hue="What are you?", data=
           order=["Rural", "Urban", "International"], color="red", estimator=median, sat
           plt.show())
```



```
In [43]: # Horizontal Plot
from numpy import median
sns.barplot(x="Age (years)-Float/Int", y="Where do you live?", hue="What are you?", data=day4, linewidth=2.5, errcolor=".2", edgecolor=".2")
plt.show()
```



```
In [45]: sns.barplot(x="Where do you live?", y="Age (years)-Float/Int", data=day4, linewidth=2.5, errcolor=".2", edgecolor=".2")
plt.show()
```



In []:

In []:

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