

In [1]: `pip install plotly`

Requirement already satisfied: plotly in c:\newfolder\lib\site-packages (5.6.0)Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: tenacity>=6.2.0 in c:\newfolder\lib\site-packages (from plotly) (8.0.1)

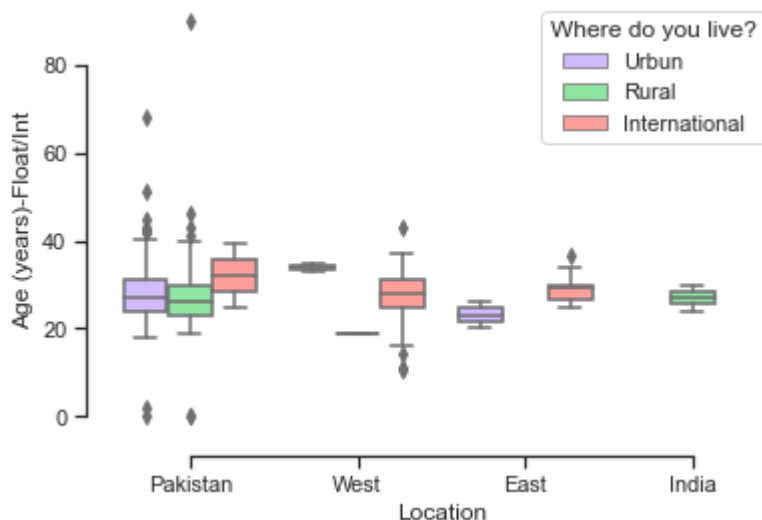
Requirement already satisfied: six in c:\newfolder\lib\site-packages (from plotly) (1.16.0)

In [2]: `import seaborn as sns
import pandas as pd

sns.set_theme(style="ticks", palette="pastel")

Load the example tips dataset
chilla = pd.read_csv("Chilla_data2_for_plots.csv")

Draw a nested boxplot to show bills by day and time
sns.boxplot(x="Location", y="Age (years)-Float/Int",
 hue="Where do you live?", palette=["m", "g", "r"], saturation=1,
 data=chilla)
sns.despine(offset=10, trim=True)`



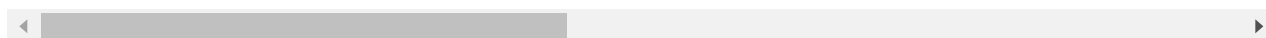
In [3]: `chilla = pd.read_csv("Chilla_data2_for_plots.csv")
chilla.head()`

Out[3]:

Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blood group
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	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blood group
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemployed	B+
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student	B+
2	Male	Pakistan	31-35	Masters	Enginnering	Switch my field of study	Employed	B+
3	Female	Pakistan	31-35	Masters	CS/IT	to boost my skill set	Employed	O+
4	Female	Pakistan	26-30	Masters	Enginnering	to boost my skill set	Student	A

5 rows × 23 columns



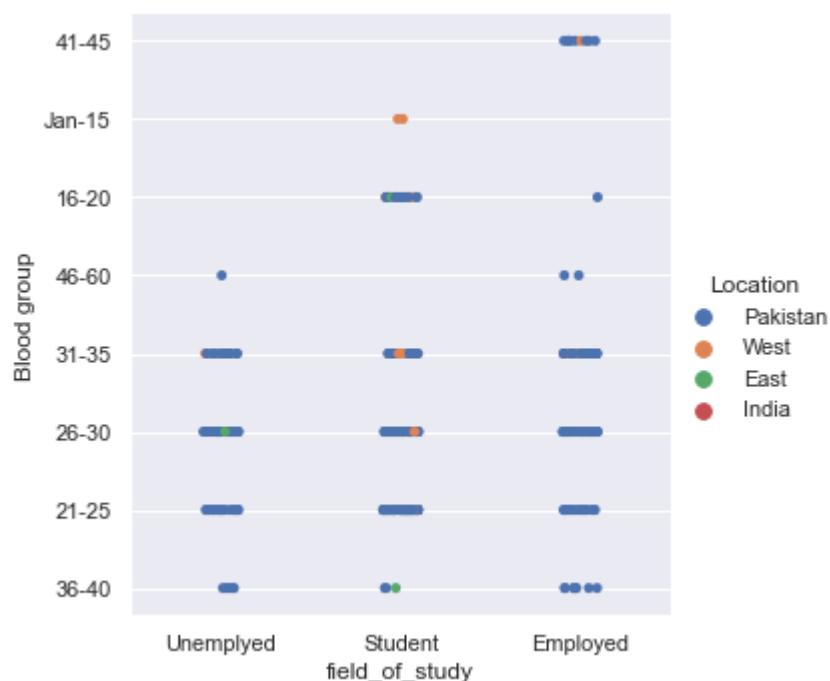
In [4]:

```
import seaborn as sns
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
sns.set_theme()

# Load the chilla dataset
chilla = pd.read_csv("Chilla_data2_for_plots.csv")

# Plot sepal width as a function of sepal_Length across days

g=sns.catplot(x="What are you?",y="Age",hue="Location",data=chilla)
# Use more informative axis labels than are provided by default
g.set_axis_labels("field_of_study", "Blood group")
plt.show()
```



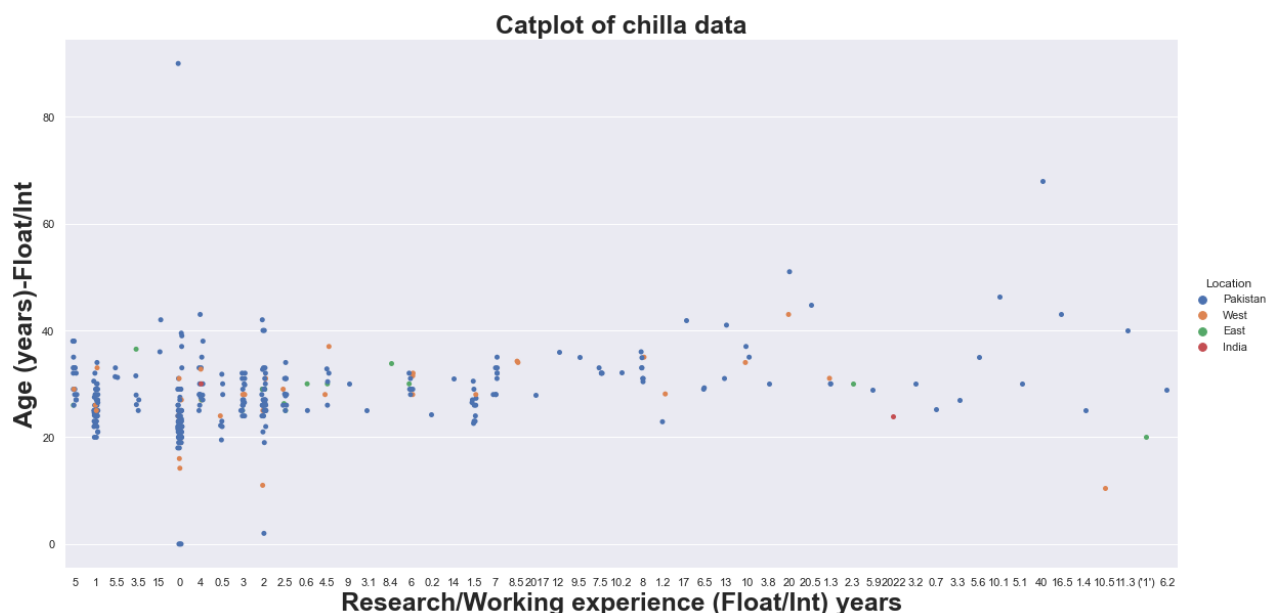
In [39]:

```
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt

chilla =pd.read_csv ("Chilla_data2_for_plots.csv")

p=sns.catplot(x="Research/Working experience (Float/Int) years", y="Age (years)-Float/I
             hue="Location",data=chilla,height=8,aspect=2)
plt.xlabel("Research/Working experience (Float/Int) years",size=25,weight="bold")
plt.ylabel("Age (years)-Float/Int",size=25,weight="bold")
plt.title("Catplot of chilla data",size=25,weight="bold")

plt.show()
```



In [61]:

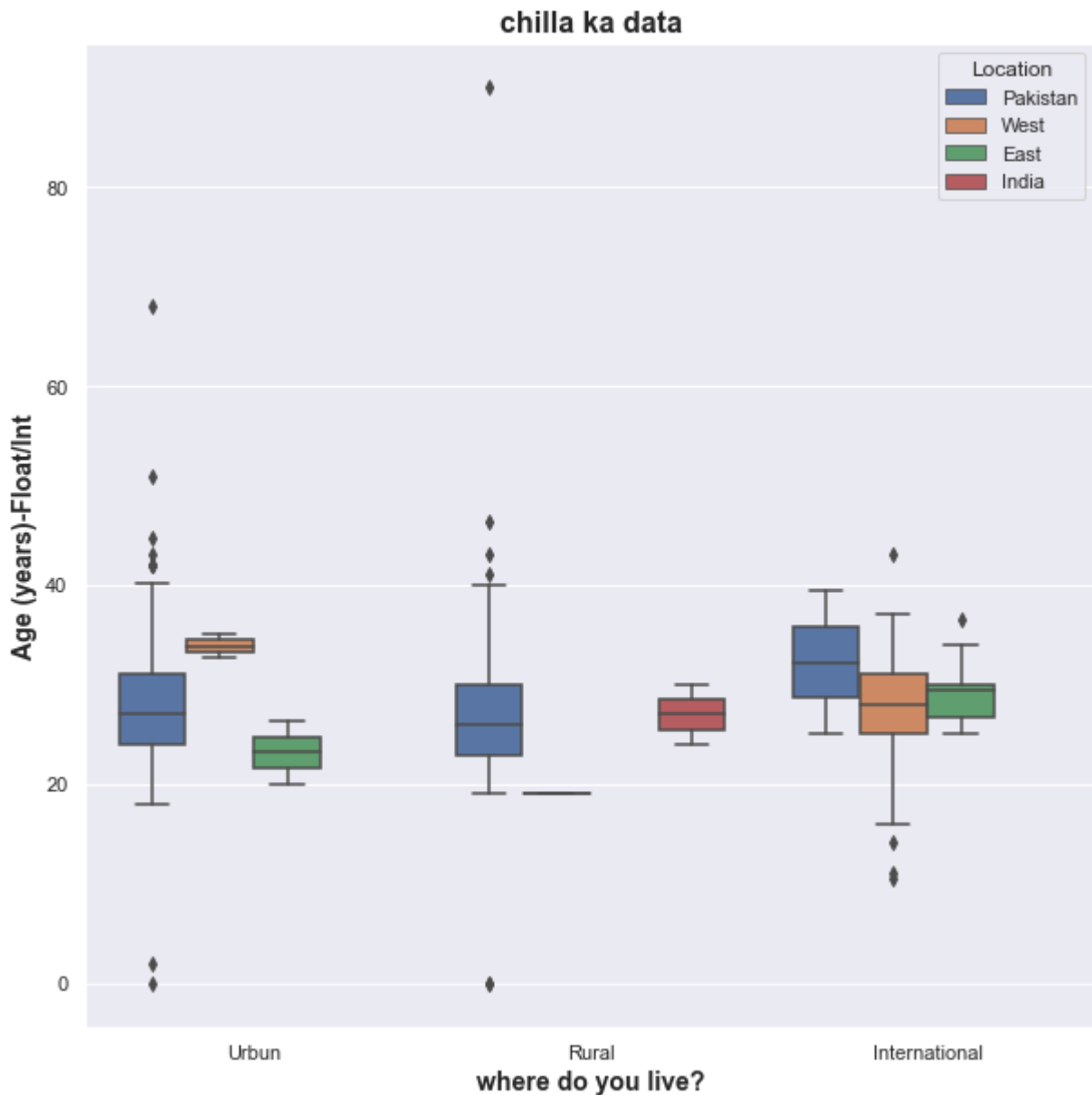
```
import seaborn as sns
```

```
import pandas as pd
import matplotlib.pyplot as plt

p=pd.read_csv("Chilla_data2_for_plots.csv")

plt.figure(figsize=(10,10))
p=sns.boxplot(x="Where do you live?", y="Age (years)-Float/Int",hue="Location",data=chi
plt.xlabel("where do you live?",size=14,weight="bold")
plt.ylabel("Age (years)-Float/Int",size=14,weight="bold")
plt.title("chilla ka data",size=16,weight="bold")
```

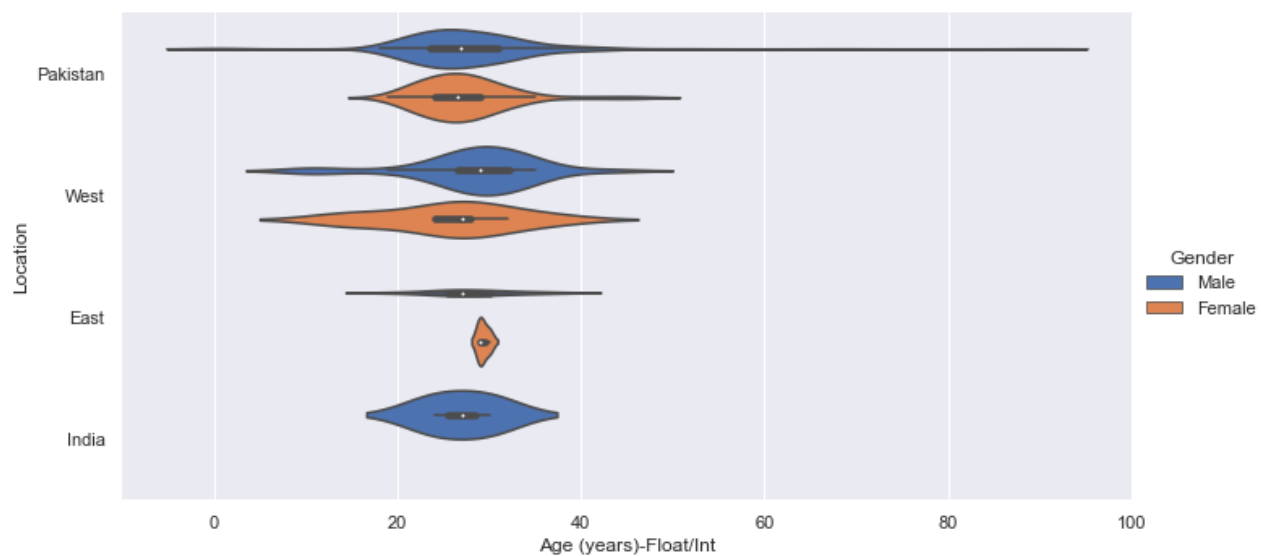
Out[61]: Text(0.5, 1.0, 'chilla ka data')



```
In [83]: import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
chilla=pd.read_csv("Chilla_data2_for_plots.csv")

sns.catplot( x="Age (years)-Float/Int",y="Location", hue="Gender",
             kind="violin", data=chilla,height=5,aspect=2,saturation=1)
```

```
Out[83]: <seaborn.axisgrid.FacetGrid at 0x8feaa98ca0>
```



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In [ ]:
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In [ ]:
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