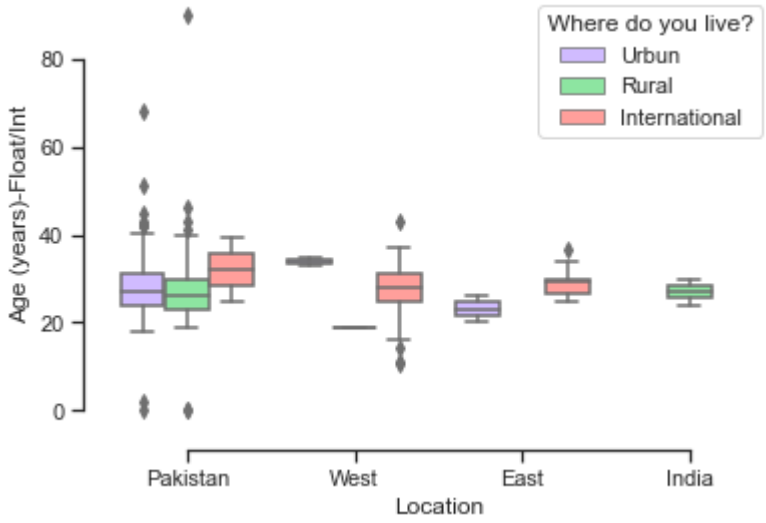
In [1]:
```
pip install plotly
```

```
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: six in c:\newfolder\lib\site-packages (from plotly) (1.1
6.0)
Requirement already satisfied: tenacity>=6.2.0 in c:\newfolder\lib\site-packages (from p
lotly) (8.0.1)
```

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]:

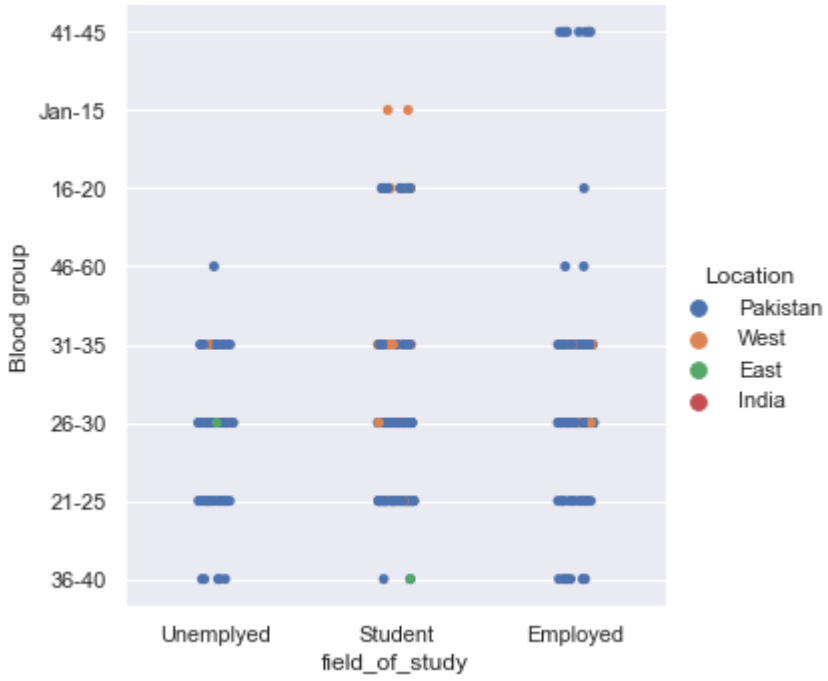
	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blood group

	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	Unemplyed	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

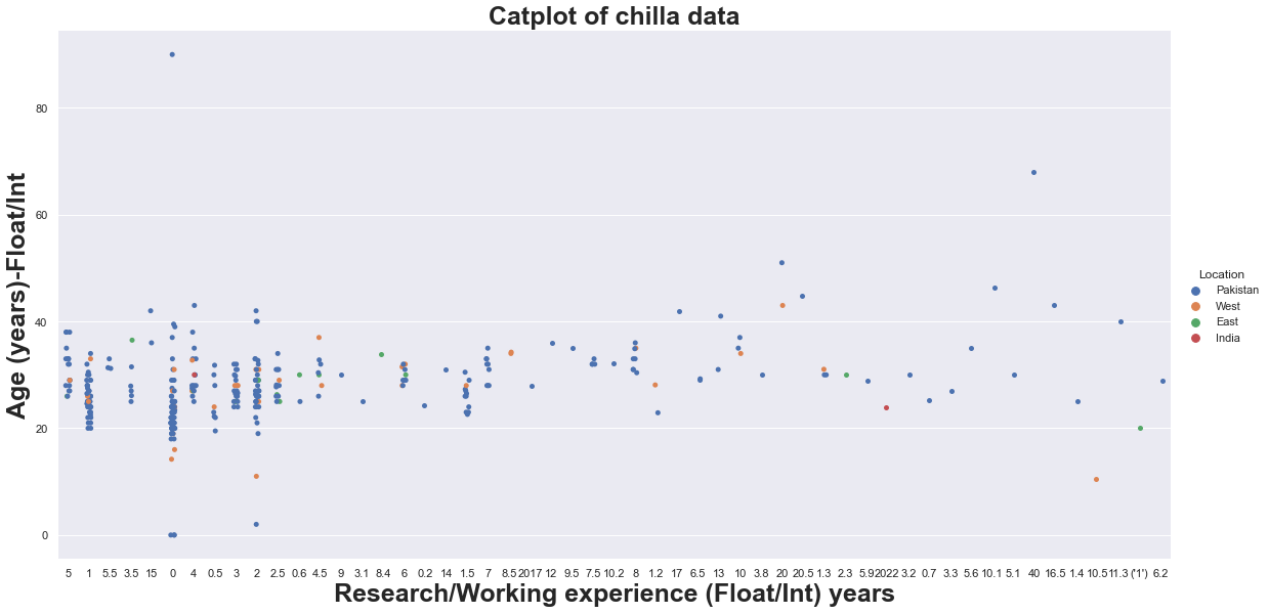
In [4]:

```
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 [5]:

```
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()
```

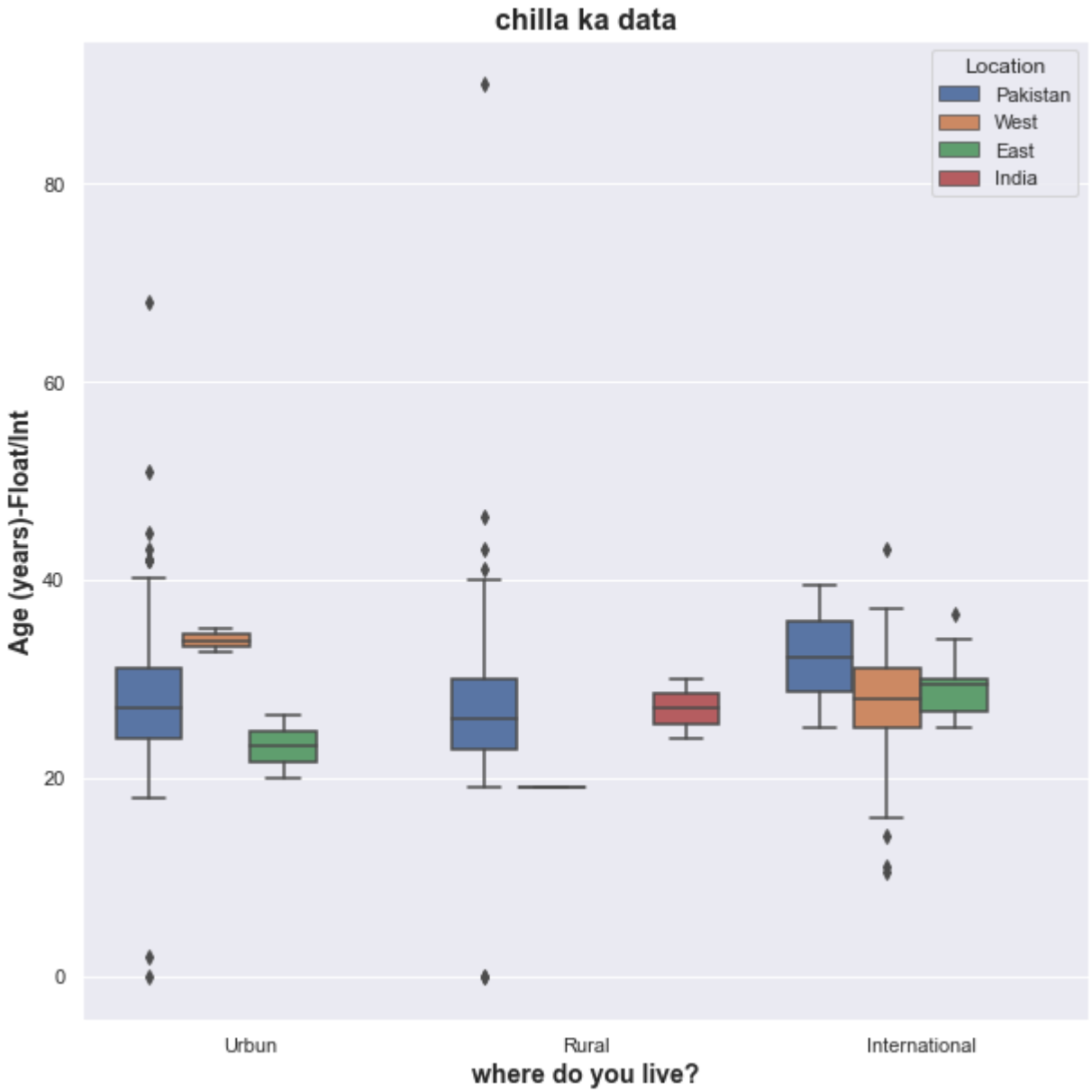


In [6]:

```
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")
```

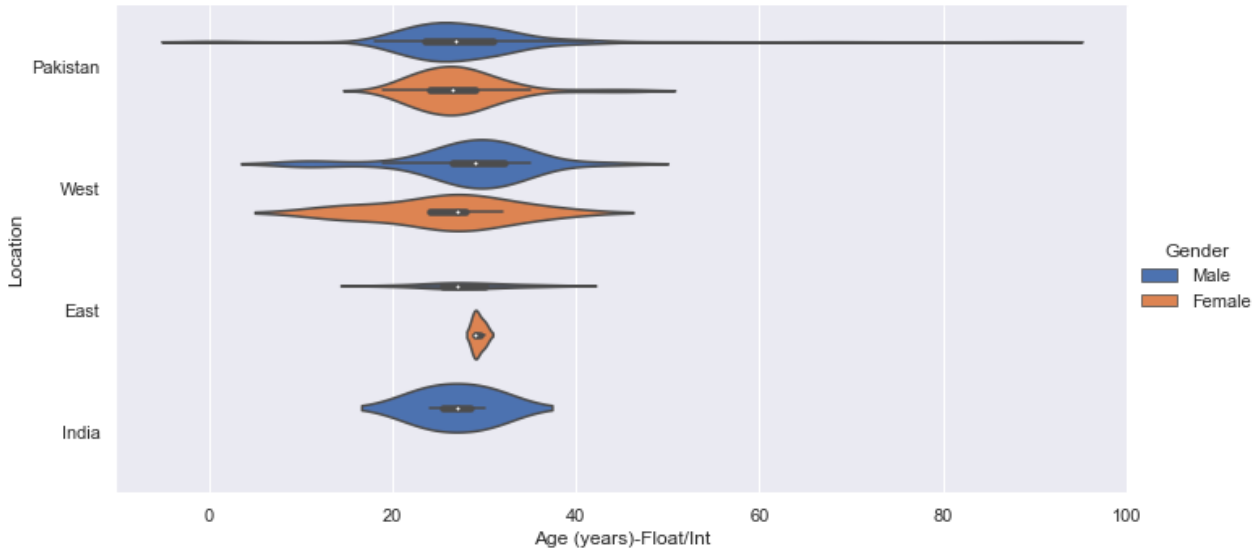
Out[6]: Text(0.5, 1.0, 'chilla ka data')



In [7]:

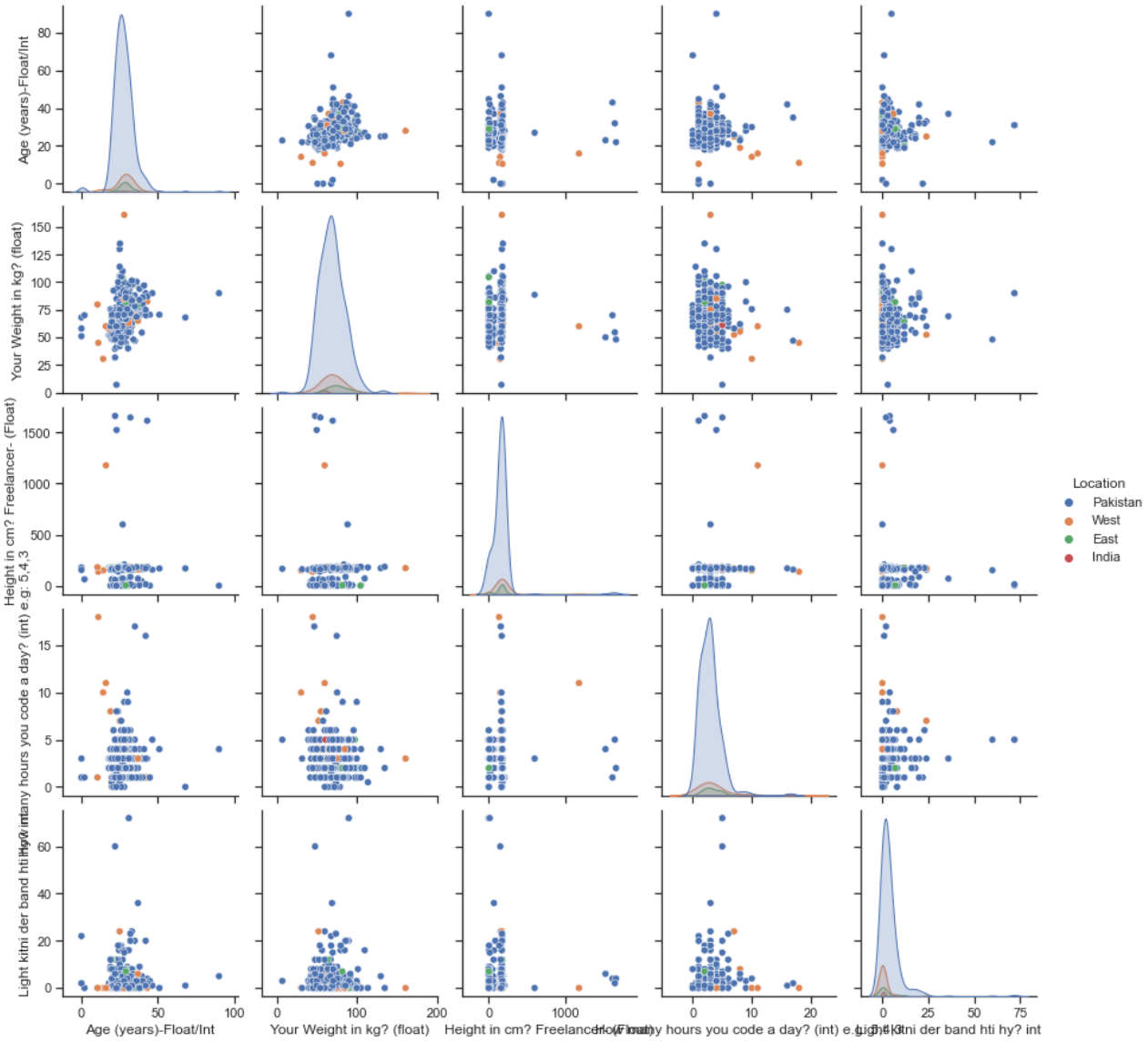
```
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
chilla=pd.read_csv("Chilla_data2_for_plots.csv")

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

Out[7]: <seaborn.axisgrid.FacetGrid at 0xeb66bb3730>



In [8]:
```
import seaborn as sns
sns.set_theme(style="ticks")

df = pd.read_csv("Chilla_data2_for_plots.csv")
sns.pairplot(df, hue="Location")
```

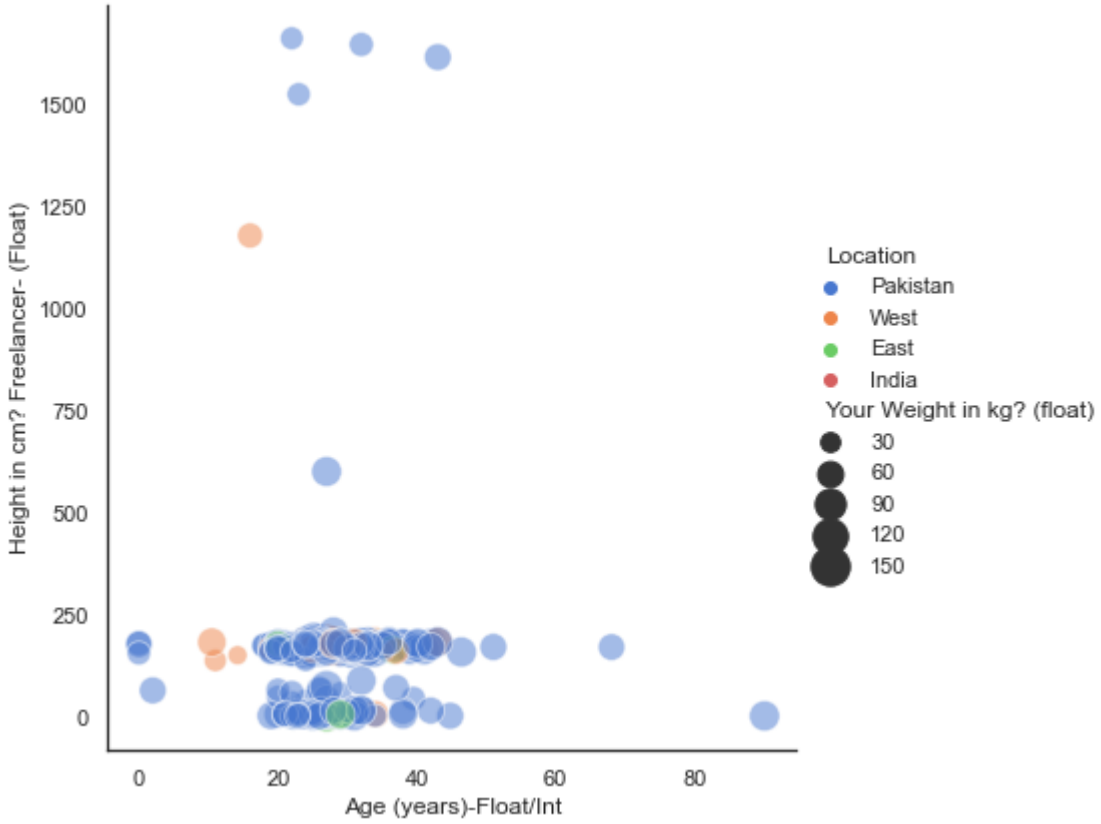
Out[8]: <seaborn.axisgrid.PairGrid at 0xeb672e2250>



In [9]:

```
import seaborn as sns
sns.set_theme(style="white")

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

# Plot miles per gallon against horsepower with other semantics
sns.relplot(x="Age (years)-Float/Int", y="Height in cm? Freelancer- (Float)", hue="Loca
            sizes=(40, 400), alpha=.5, palette="muted",
            height=6, data=chilla)
```

Out[9]: <seaborn.axisgrid.FacetGrid at 0xeb67af5d00>



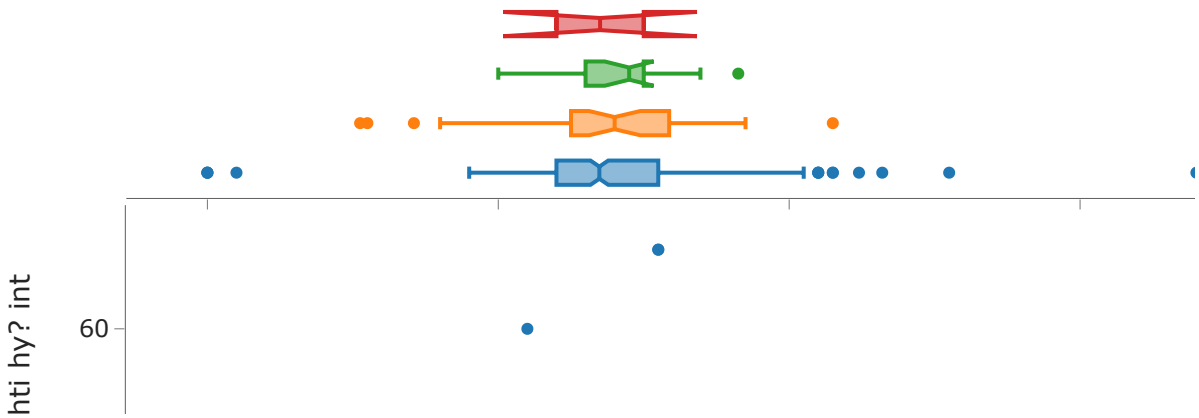
In [10]:
```
import pandas as pd
chilla=pd.read_csv("Chilla_data2_for_plots.csv")
chilla.head()
```

Out[10]:

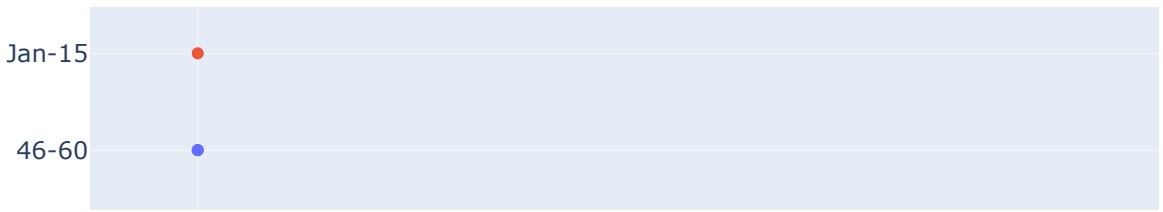
	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?	Blooc group
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemplyed	B+
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student	B+
2	Male	Pakistan	31-35	Masters	Enginnering	Switch 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

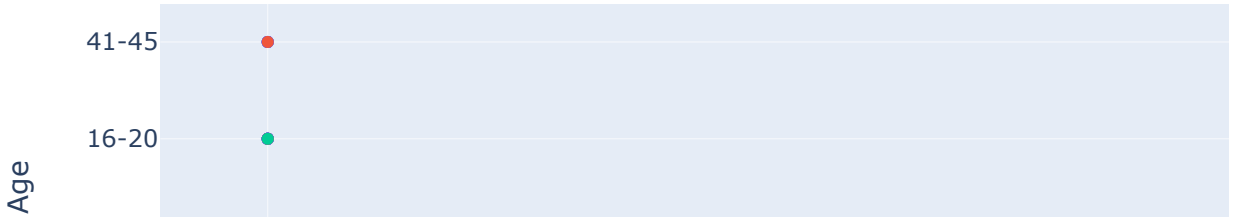
5 rows × 23 columns

In [11]:
```
import plotly.express as px
import pandas as pd
chilla=pd.read_csv("Chilla_data2_for_plots.csv")
fig = px.scatter(chilla, x="Age (years)-Float/Int", y="Light kitni der band hti hy? int
           marginal_x="box", trendline="ols", template="simple_white")
fig.show()
```



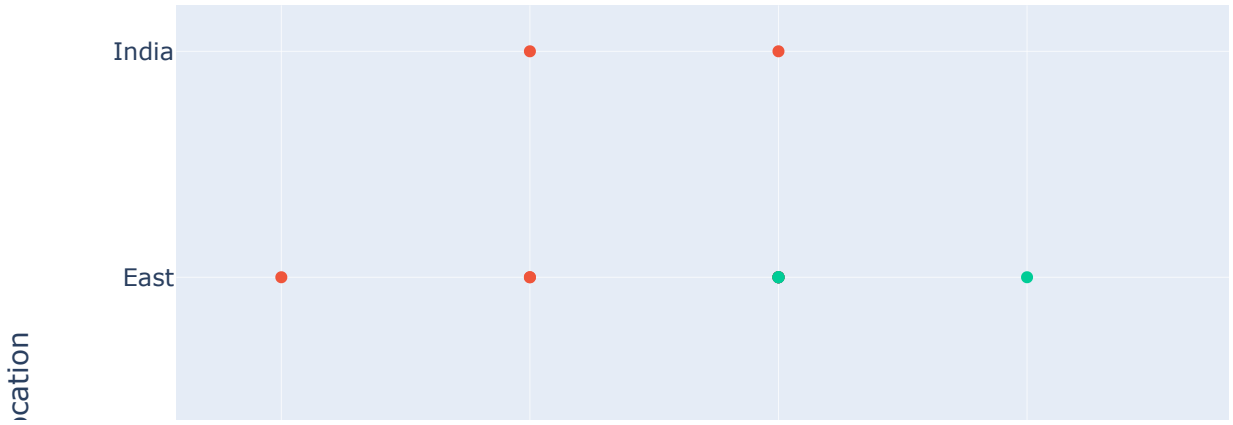
In [12]:
```
import plotly.express as px
import pandas as pd
chilla=pd.read_csv("Chilla_data2_for_plots.csv")

fig = px.scatter(chilla, x="Gender", y="Age", color="Location")
fig.show()
```





In [13]:

```
import plotly.express as px
import pandas as pd
df=pd.read_csv("Chilla_data2_for_plots.csv")
df["e"] = df["Purpose_for_chilla"]
fig = px.scatter(df, x="Age", y="Location", color="What are you?")
fig.show()
```



In [14]:
```
import pandas as pd
chilla=pd.read_csv("Chilla_data2_for_plots.csv")
chilla.head()
```

Out[14]:

	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	Unemplyed	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

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