Assignment Chilla_Data_Visualization by Izhar ul haq ¶

In [7]:
```
#Import Libraries
import seaborn as sns
import pandas as pd
import matplotlib.pyplot as plt
```

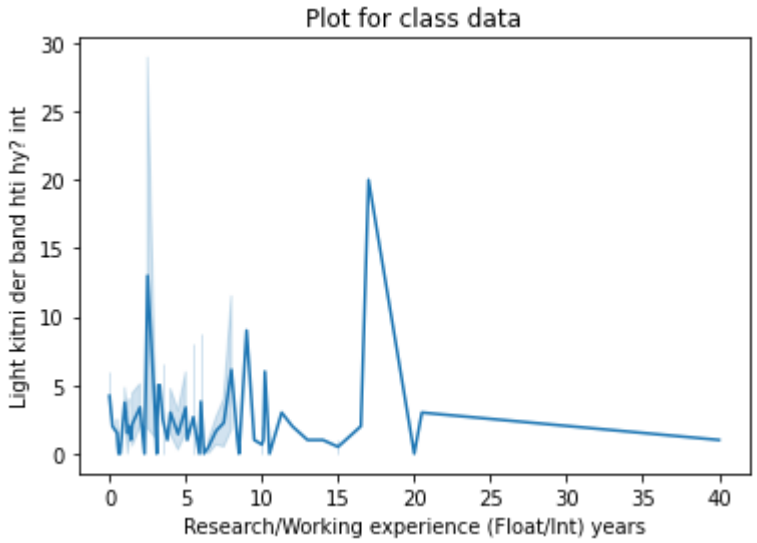
In [9]:
```
#Load Dataset

df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
df_chilla
```

Out[9]:

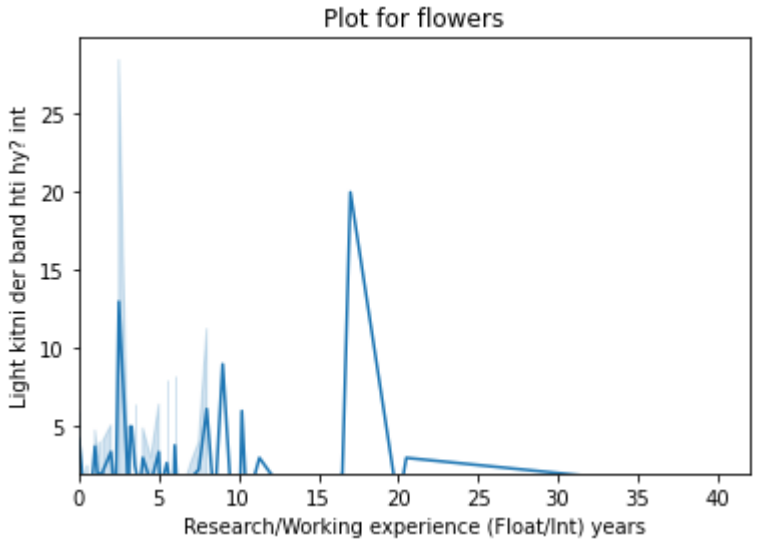
	Gender	Location	Age	Qualification_completed	field_of_study	Purpose_for_chilla	What are you?
0	Male	Pakistan	36-40	Masters	Natural Sciences	to boost my skill set	Unemplyed
1	Male	Pakistan	26-30	Bachelors	CS/IT	to boost my skill set	Student
2	Male	Pakistan	31-35	Masters	Enginnering	Switch my field of study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

375 rows × 23 columns

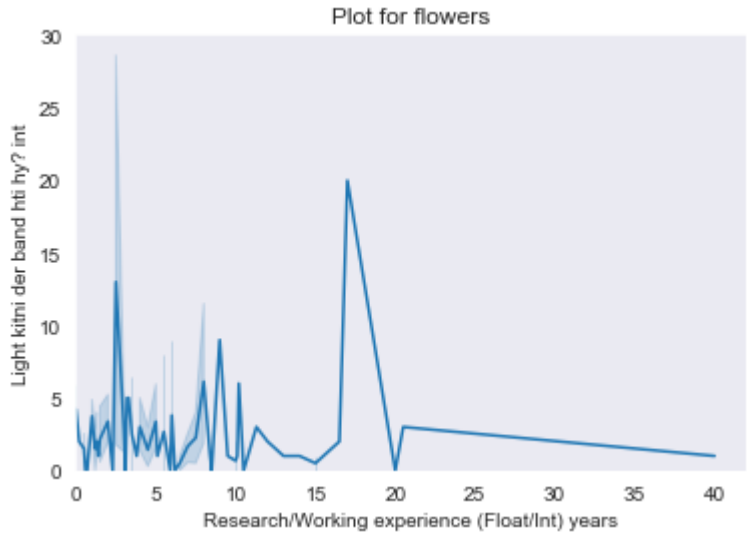
In [14]:
```
# draw a line plot
sns.lineplot(x='Research/Working experience (Float/Int) years',y='Light kitni der
plt.title('Plot for class data')
plt.show()
```



In [17]:
```
#Adding limits
sns.lineplot(x='Research/Working experience (Float/Int) years',y='Light kitni der
plt.title('Plot for flowers')
plt.xlim(0)
plt.ylim(2)
plt.show()
```

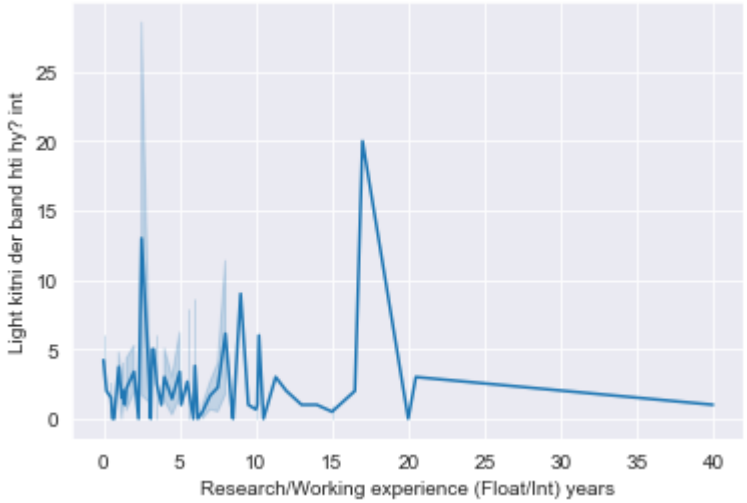


In [22]:
```
sns.lineplot(x='Research/Working experience (Float/Int) years',y='Light kitni der
plt.title('Plot for flowers')
plt.xlim(0)
plt.ylim(0)
sns.set_style('dark');
sns.set_style(style=None,rc=None)
plt.show()
```



In [24]:
```
#size of figure

sns.lineplot(x='Research/Working experience (Float/Int) years',y='Light kitni der
plt.figure(figsize=(4,4))
```

Out[24]: <Figure size 288x288 with 0 Axes>



<Figure size 288x288 with 0 Axes>

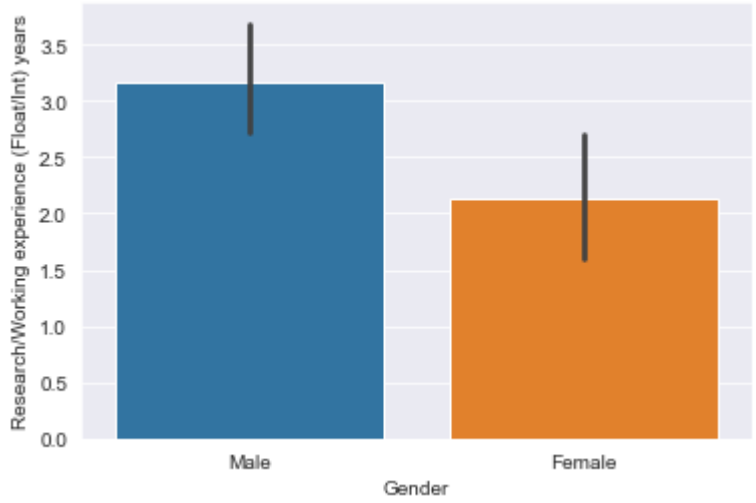
In [31]:

```
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
df_chilla
```

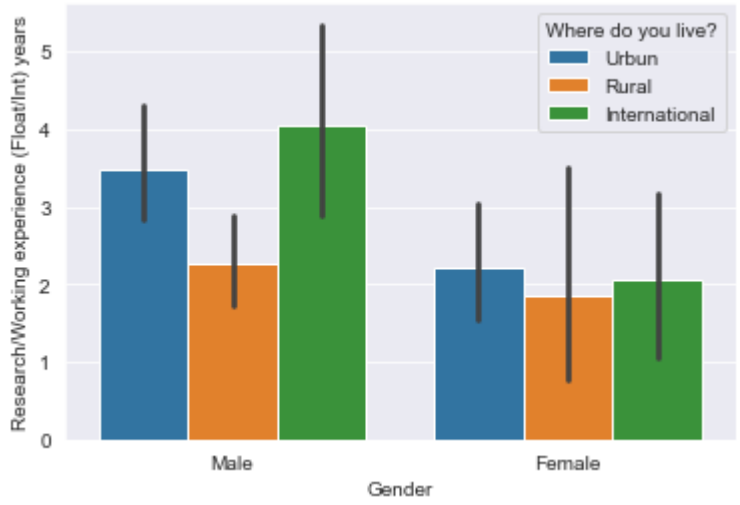
Out[31]:

Purpose_for_chilla	What are you?	Blood group	Which mobile sim do you use	Prepaid or Postpaid	...	Your favorite programming language?	Marital Status?	Are you Vaccinated?	W
to boost my skill set	Unemployed	B+	U-fone	Prepaid	...	Python	Yes	Yes	
to boost my skill set	Student	B+	U-fone	Prepaid	...	Python	No	Yes	
Switch my field of study	Employed	B+	Zong	Prepaid	...	Python	Yes	Yes	
to boost my skill set	Employed	O+	U-fone	Postpaid	...	Python	Yes	Yes	
to boost my skill set	Student	A-	Mobilink	Prepaid	...	Javascript	No	Yes	
...	...	...	...	...	...	...	...	...	
to boost my skill set	Employed	O+	Telenor	Prepaid	...	R	Yes	Yes	
to boost my skill set	Employed	A+	Zong	Postpaid	...	Python	Yes	Yes	
to boost my skill set	Employed	O+	Mobilink	Prepaid	...	Python	No	Yes	
to boost my skill set	Employed	B-	Mobilink	Prepaid	...	Python	No	No	
Switch my field of study	Unemployed	B+	Telenor	Prepaid	...	Python	Yes	Yes	

In [34]:
```
# Draw a Bar plot
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c

sns.barplot(x='Gender',y='Research/Working experience (Float/Int) years',data=df_
plt.show()
```



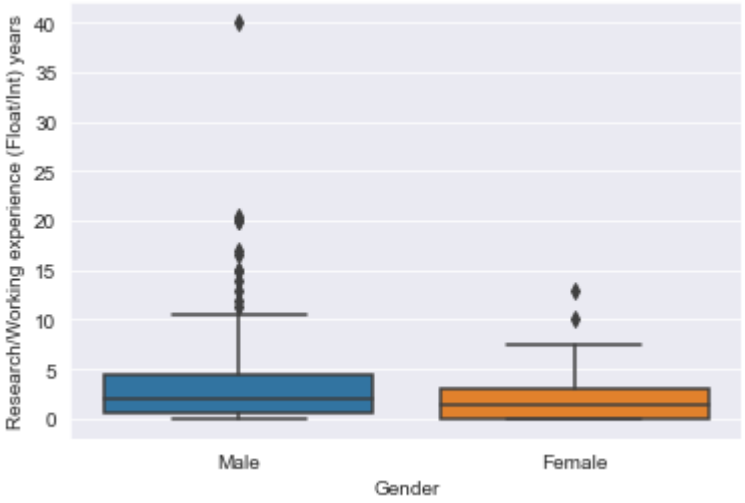
In [38]:
```
#Hue
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
sns.barplot(x='Gender',y='Research/Working experience (Float/Int) years', hue='Wh
plt.show()
```



BOX PLOT

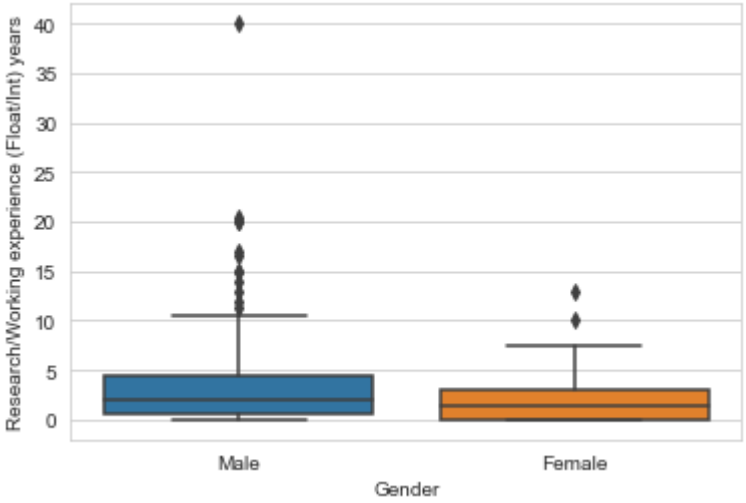
In [43]:
```
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
sns.boxplot(x='Gender',y='Research/Working experience (Float/Int) years',data=df_
```

Out[43]:
```
<AxesSubplot:xlabel='Gender', ylabel='Research/Working experience (Float/Int) y
ears'>
```



In [44]:
```
#Set Style
sns.set_style('whitegrid')
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
sns.boxplot(x='Gender',y='Research/Working experience (Float/Int) years',data=df_
```

Out[44]:
```
<AxesSubplot:xlabel='Gender', ylabel='Research/Working experience (Float/Int) y
ears'>
```



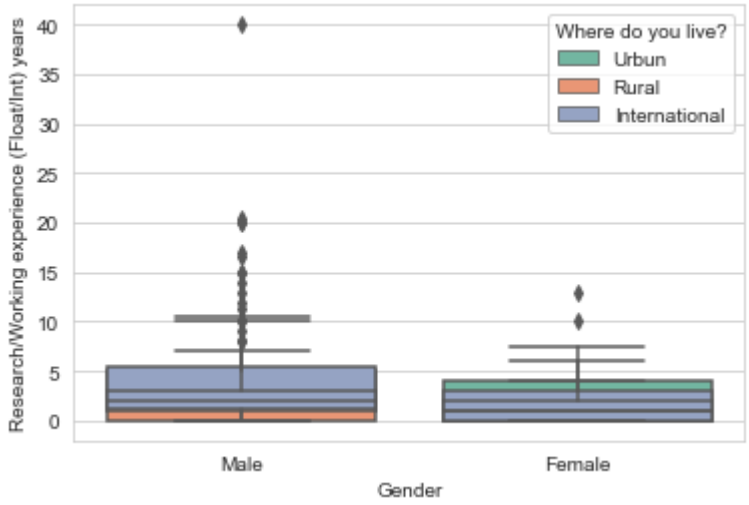
In [45]:
```
#Describe course Data
df_chilla.describe()
```

Out[45]:

	Research/Working experience (Float/Int) years	Age (years)-Float/Int	Your Weight in kg? (float)	Height in cm? Freelancer-(Float)	How many hours you code a day? (int) e.g: 5,4,3	Light kitni der band hti hy? int
count	375.000000	375.000000	375.000000	375.000000	375.000000	375.000000
mean	2.951467	27.576933	69.321147	162.679282	2.976027	3.618667
std	3.938402	7.224460	16.264434	172.246844	2.088115	7.407986
min	0.000000	0.000000	7.000000	0.000000	0.000000	0.000000
25%	0.000000	24.000000	58.050000	158.000000	2.000000	0.000000
50%	2.000000	27.000000	68.300000	169.000000	3.000000	2.000000
75%	4.000000	31.000000	78.500000	175.225000	4.000000	4.000000
max	40.000000	90.000000	161.000000	1661.160000	18.000000	72.000000

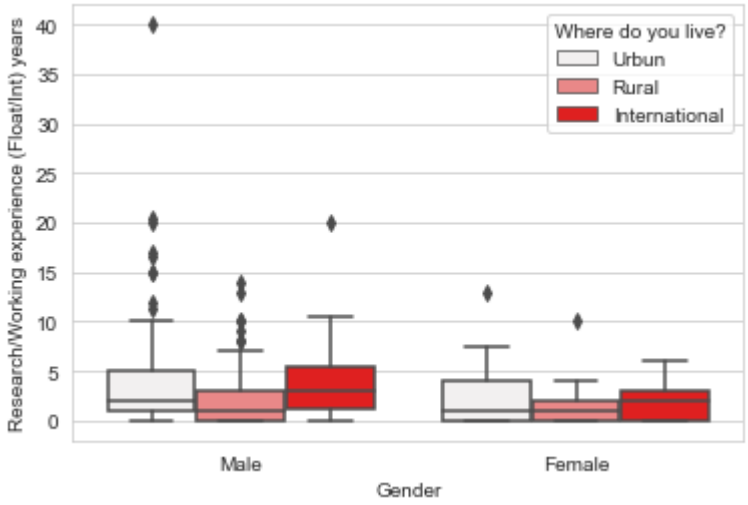
In [49]:
```
pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.csv");
t(x='Gender',y='Research/Working experience (Float/Int) years',hue='Where do you
```

Out[49]:
```
<AxesSubplot:xlabel='Gender', ylabel='Research/Working experience (Float/Int) y
ears'>
```



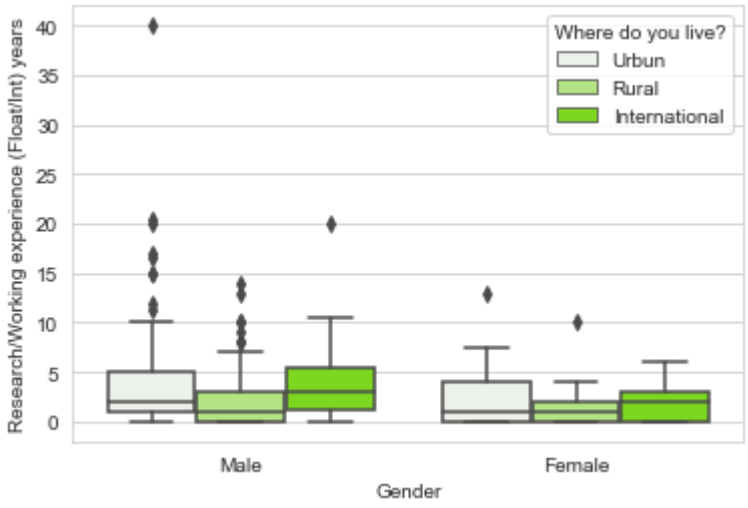
In [51]:
```
#Color =Red
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.c
sns.boxplot(x='Gender',y='Research/Working experience (Float/Int) years',hue='Whe
```

Out[51]:
```
<AxesSubplot:xlabel='Gender', ylabel='Research/Working experience (Float/Int) y
ears'>
```



In [52]:
```
#Color =Red
df_chilla=pd.read_csv(r"C:\Users\mish\Desktop\Jupyter Notebooks\challa_data_csv.cs
sns.boxplot(x='Gender',y='Research/Working experience (Float/Int) years',hue='Whe
```

Out[52]:
```
<AxesSubplot:xlabel='Gender', ylabel='Research/Working experience (Float/Int) y
ears'>
```



In [ ]: