Participant

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LINE PLOTS

In [ ]:
```python
# 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_fo
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

Simple Line Plot

In [ ]:
```python
#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 line plot
sns.lineplot(x="Gender", y="Research/Working experience (Float/Int) years"
#showing plot
plt.show ()
```
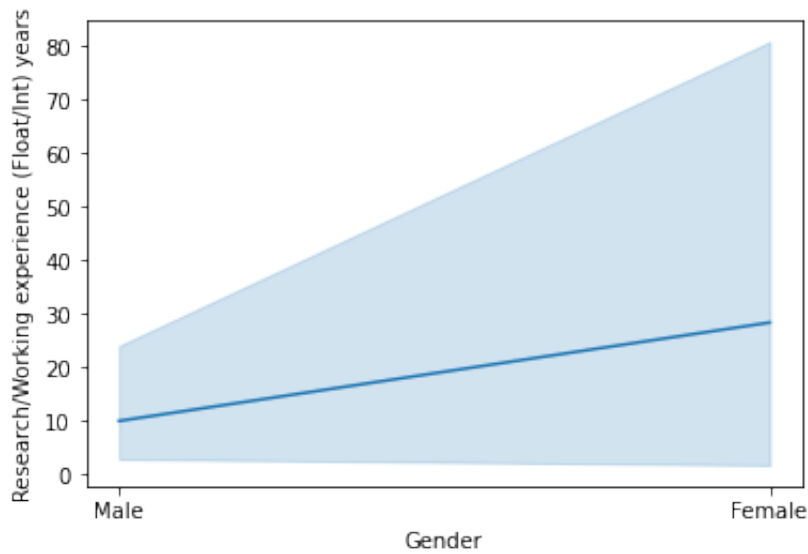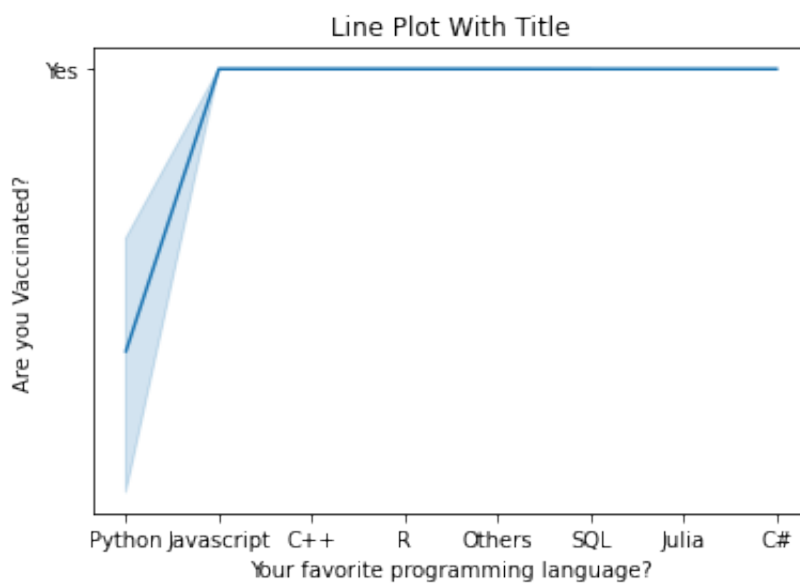

Line Plot With Hue

In [ ]:
```python
#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 line plot
sns.lineplot(x="What are you?", y="Age (years)-Float/Int", data=data, hue=
#showing plot
plt.show ()
```
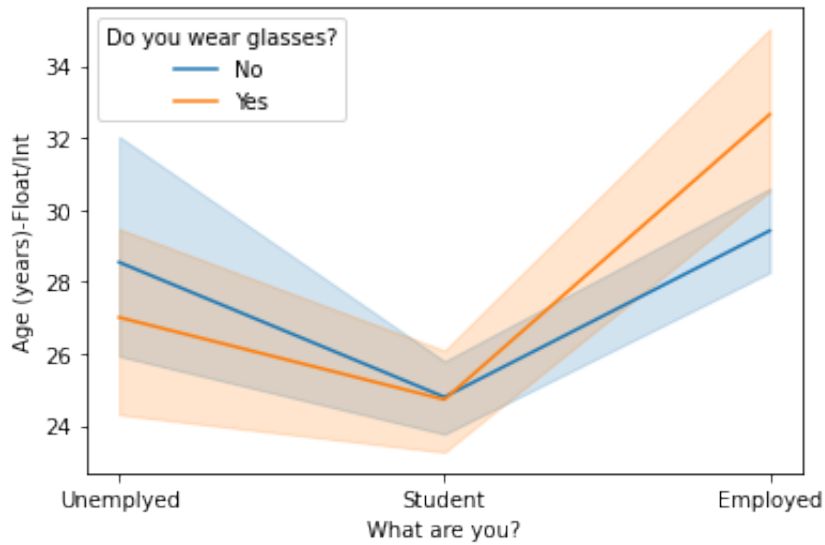
Adding Title

In [ ]:
```python
#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 line plot
sns.lineplot(x="Your favorite programming language?", y="Are you Vaccinated
#title
plt.title ("Line Plot With Title")
#showing plot
plt.show ()
```
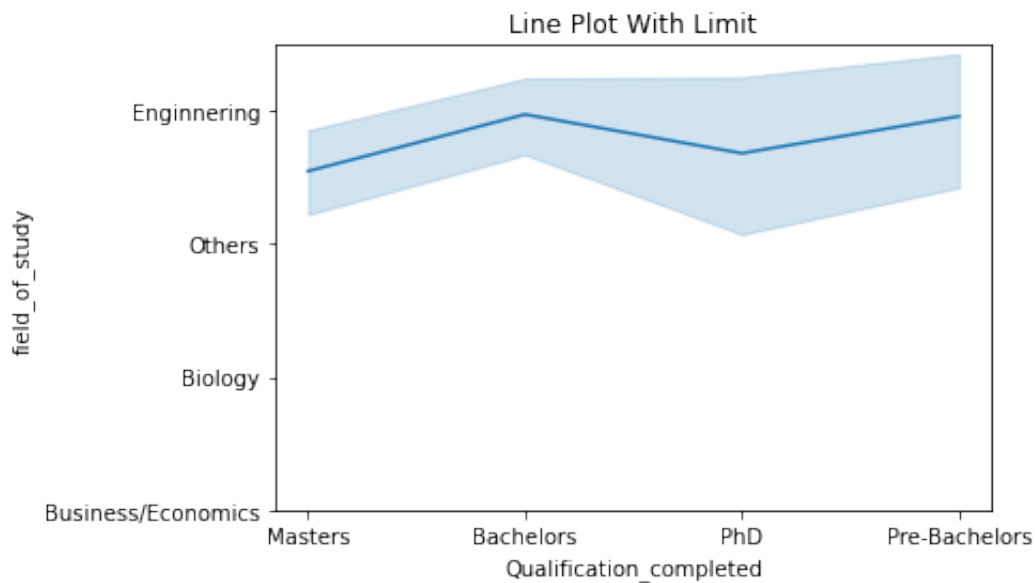

Adding Limits

```python
#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 line plot
sns.lineplot(x="Qualification_completed", y="field_of_study", data=data)
#title
plt.title ("Line Plot With Limit")
#adding limit
plt.ylim (5)
#showing plot
plt.show ()
```
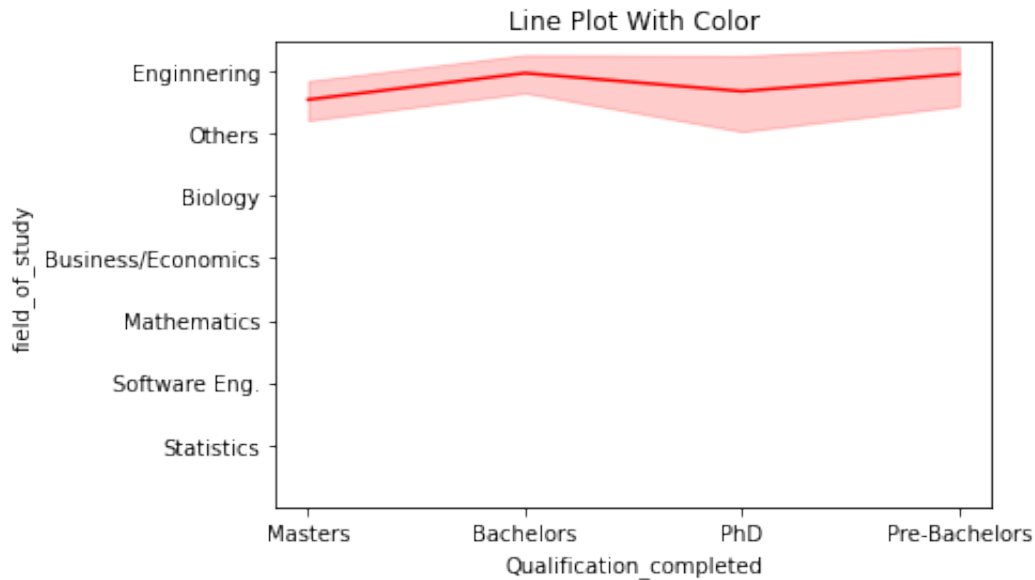

Adding color

```python
#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 line plot and adding color
sns.lineplot(x="Qualification_completed", y="field_of_study", data=data, co
#title
plt.title ("Line Plot With Color")
#adding limit
plt.ylim (9)
#showing plot
plt.show ()
```
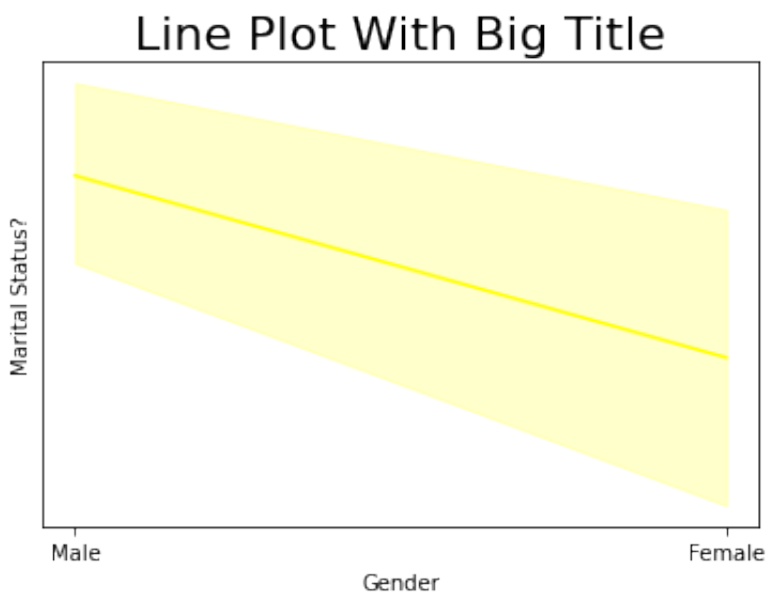
Increasing Title Font

```
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 line plot and adding color
         sns.lineplot(x="Gender", y="Marital Status?", data=data, color="yellow")
         #title
         plt.title ("Line Plot With Big Title", size=22)
         #showing plot
         plt.show ()
```

In [ ]:

In [ ]: