BMI_plot_assignment

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0.1 BMI Calculator My Logic

```
[ ]: def BMI_calc(weightt,height,name):
         BMI = float(weightt)/float(height)**2
         return BMI
     x=input("Please enter your weight")
     #float(x)
     w=input("Please enter your height in m")
     #float(w)
     y=input("Please enter your name \n ")
     type(y)
     y
     z=print("The BMI of",y,"is",BMI_calc(x,w,"y"))
```

```
The BMI of Syed is 24.535123966942148
```

0.1.1 BMI Calculator with Dr Ammar Method

```
[ ]: height=input("Please enter your height in metres")
```

```
[ ]: height = float(height)
```

```
[ ]: weight=input("Please enter your weight in kilogram \n ")
```

```
[ ]: weight=float(weight)
```

```
[ ]: name=input("Please tell me your name")
```

```
[ ]: BMI = weight/height**2
     BMI
```

```
[ ]: 28.08626033057851
```

```
[ ]: print("The BMI of",name,"is",BMI)
```

```
The BMI of Hassan is 28.08626033057851
```

0.2 Bar plot 1 of Titanic

```
[ ]: import seaborn as sns
     import matplotlib.pyplot as plt
     sns.set_theme(style="ticks",color_codes=True)

     titanic = sns.load_dataset("titanic")
     sns.catplot(x="sex",y="survived",hue="class",kind="bar",data=titanic)
     plt.show()
```
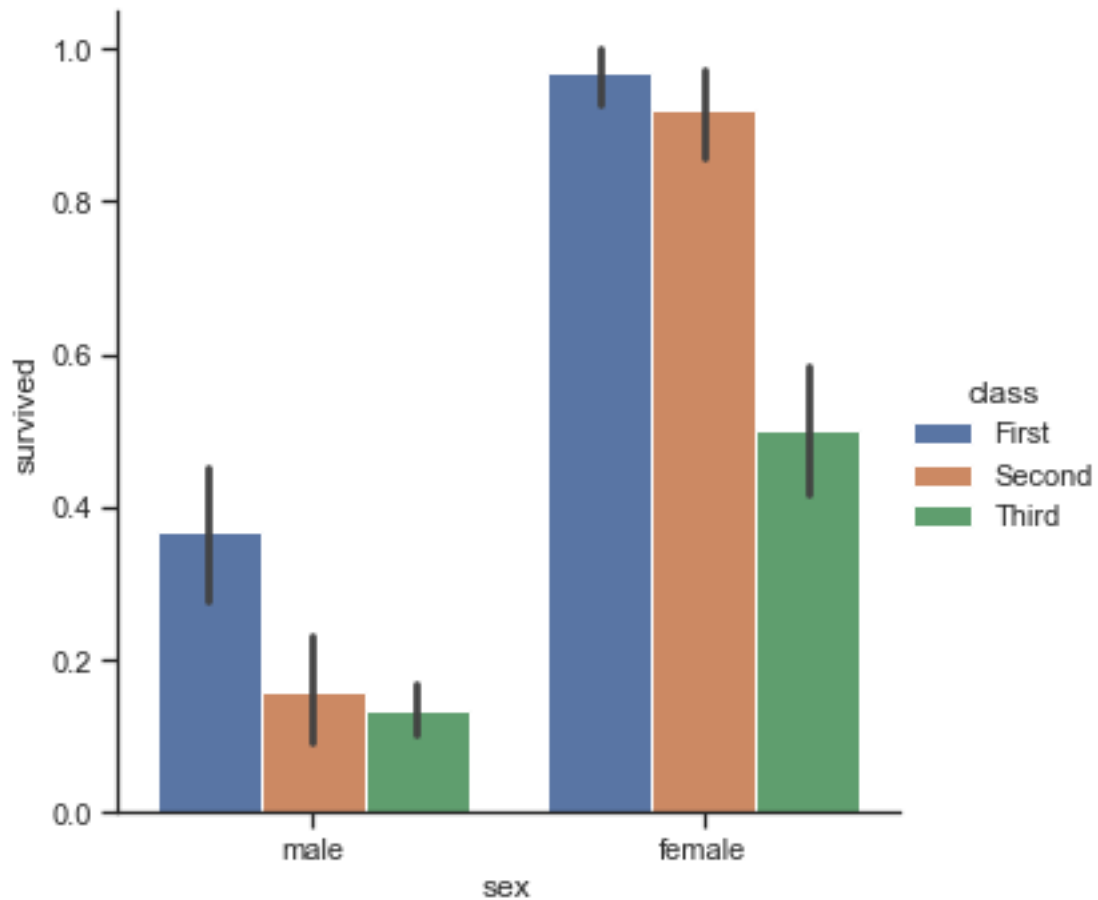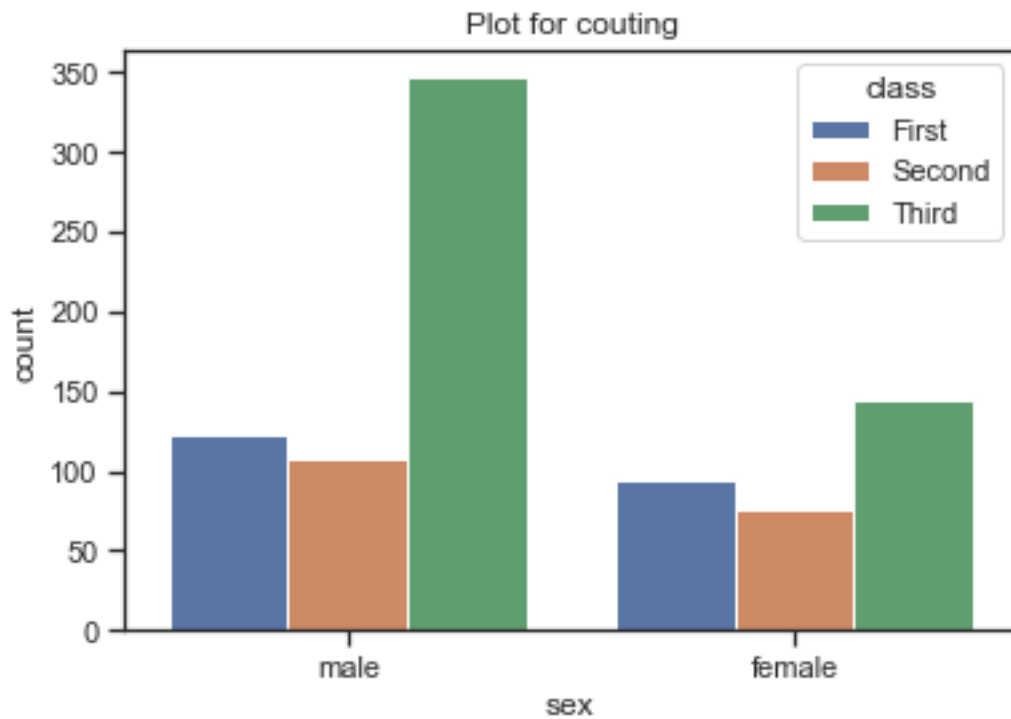

0.2.1 Plot 2 of Titanic

```
[ ]: import seaborn as sns
     import matplotlib.pyplot as plt
     sns.set_theme(style="ticks",color_codes=True)

     titanic = sns.load_dataset("titanic")
     p1=sns.countplot(x='sex',hue='class',data=titanic)
```

```
p1.set_title("Plot for couting")
plt.show()
```


Plot for couting

0.3 Scatter plot 1

```
# scatter plot
import seaborn as sns
import matplotlib.pyplot as plt
sns.set_theme(style="ticks",color_codes=True)
titanic = sns.load_dataset("titanic")
g= sns.FacetGrid(titanic, row="sex", hue="alone")
g=(g.map(plt.scatter, "age", "fare").add_legend())
#g.set_title("Plot for couting")
plt.title("MAsla")
plt.show()
```