PHASE 4 : **DEPLOYEMENT - 2**

Submitted by:

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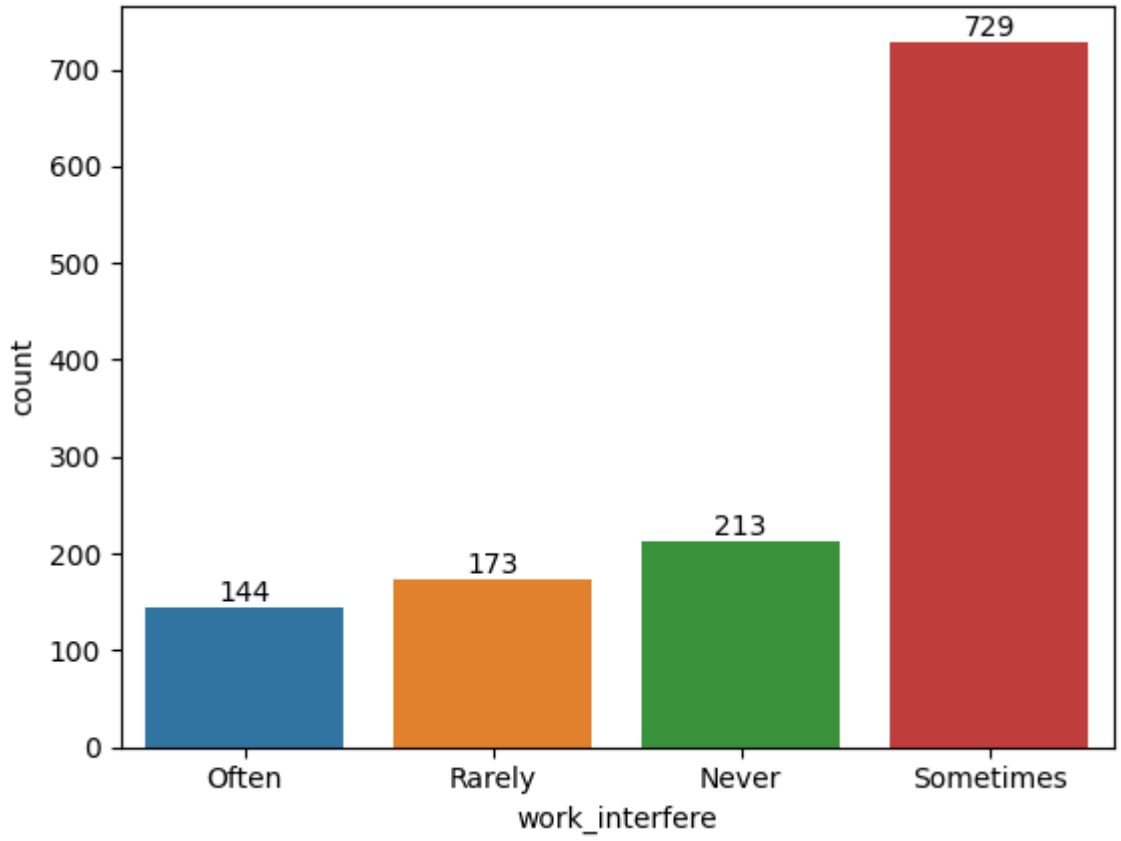
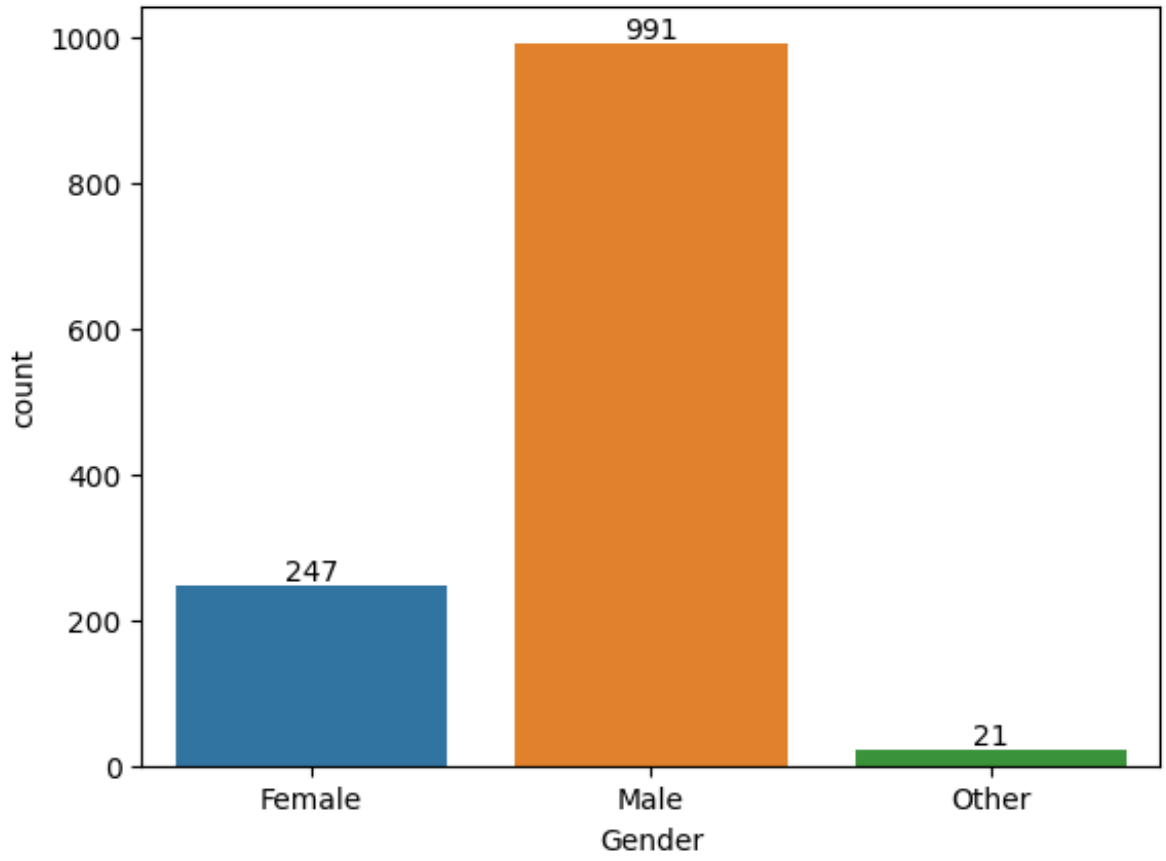
*CREATING DASHBOARDS

```
ax = sns.countplot(data=data,
x='work_interfere');
ax.bar_label(ax.containers[0]);
```

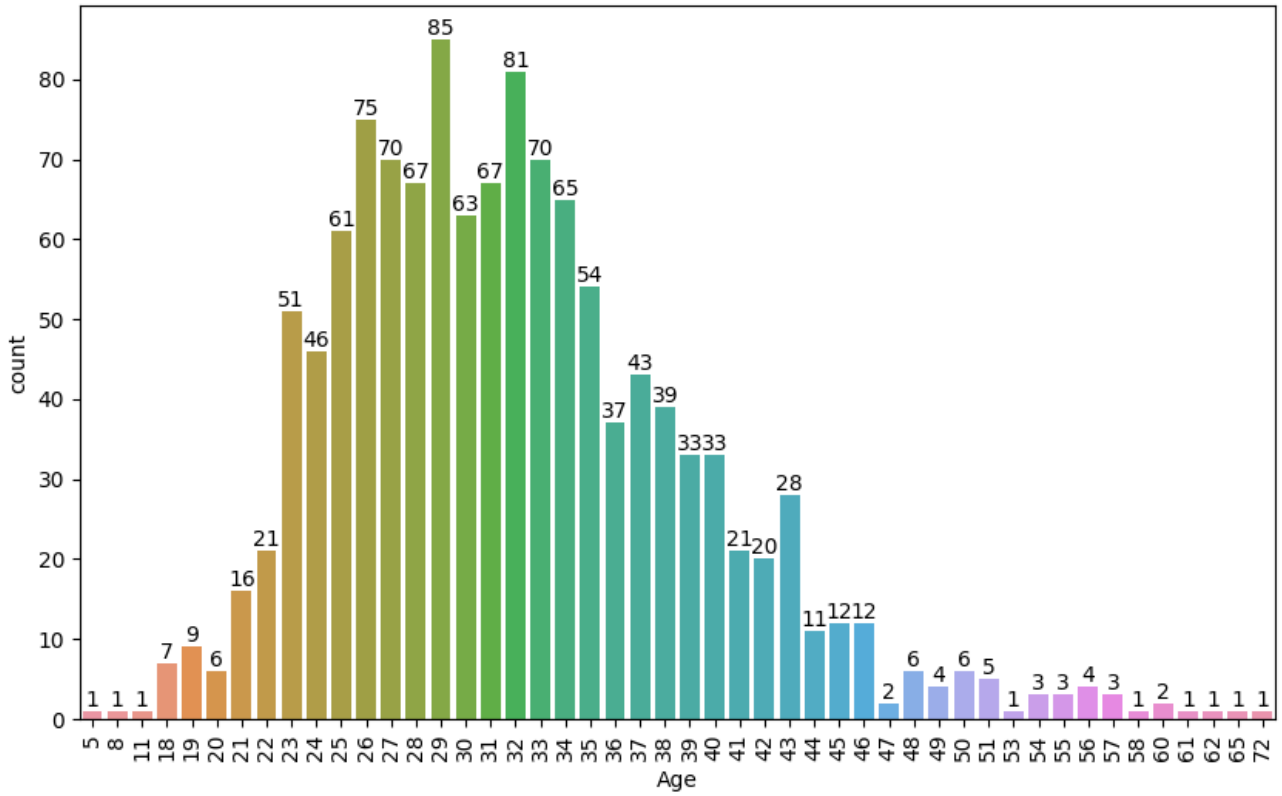


```
ax = sns.countplot(data=data,
x='Gender');
ax.bar_label(ax.containers[0]);
```

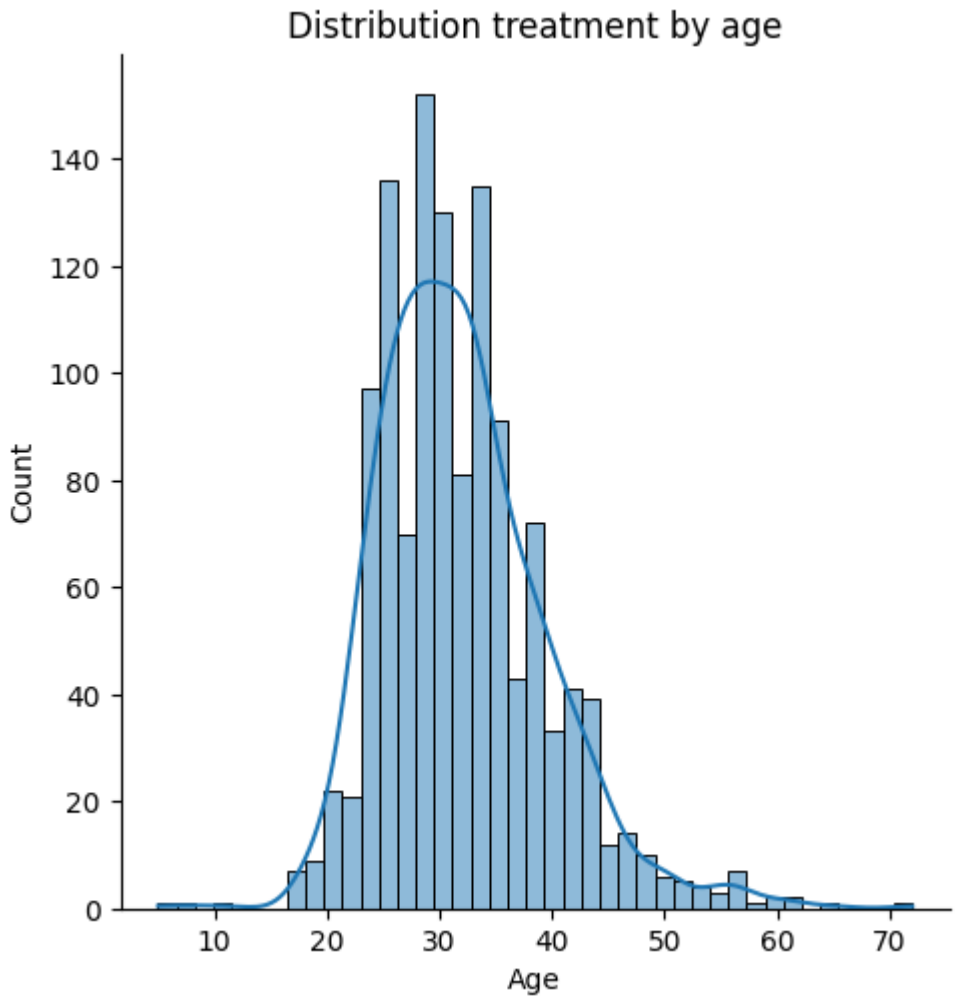


```
if data.isnull().sum().sum() == 0:
    print('There is no missing data')
else:
    print('There is {} missing data'.format(data.isnull().sum().sum()))
plt.figure(figsize = (10,6))
age_range_plot = sns.countplot(data = data, x = 'Age');
```

```
age_range_plot.bar_label(age_range_p
lot.containers[0]);
plt.xticks(rotation=90);
```



```
plt.figure(figsize=(10, 6));
sns.displot(data['Age'], kde =
'treatment');
plt.title('Distribution treatment by
age');
```



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*DECISION TREE

```
steps_dt = [('Scaler', StandardScaler()),
            ('clf', DT())]
clf_dt = Pipeline(steps=steps_dt)
clf_dt.fit(X_train, y_train)
y_pred_dt = clf_dt.predict(X_test)
```

```
print('DT accuracy :',
accuracy_score(y_true=y_test,
y_pred=y_pred_dt)*100)
```