LOAD THE MODEL

```
data = pd.read_csv('../input/car-damage-assessment/data.csv')
data.head()
```

OUTPUT

Unnamed: 0	image	classes	
0	0	image/0.jpeg	unknown
1	1	image/1.jpeg	head_lamp
2	2	image/2.jpeg	door_scratch
3	3	image/3.jpeg	head_lamp
4	4	image/4.jpeg	unknown

```
# Drop 'Unnamed: 0'
data.drop(['Unnamed: 0'], axis=1, inplace=True)
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1594 entries, 0 to 1593
Data columns (total 2 columns):
 #   Column   Non-Null Count  Dtype 
---  ------   --------------  ----- 
 0   image    1594 non-null   object
 1   classes  1594 non-null   object
dtypes: object(2)
memory usage: 25.0+ KB
```

Checking for null values

```
data.isnull().sum()
```

```
image      0
classes    0
dtype: int64
```

bar graph showing "classes"¶

```
counts = data['classes'].value_counts()
sns.barplot(x=counts.index, y=counts)
plt.xlabel('Classes')
plt.ylabel('Count')
plt.xticks(rotation=40);
```

```
path = '../input/car-damage-assessment/'
def edit_path_img(x):
    return path + x



data["image"] = data["image"].apply(edit_path_img)
data.head()
```

OUTPUT

image	classes	
0	../input/car-damage-assessment/image/0.jpeg	unknown
1	../input/car-damage-assessment/image/1.jpeg	head_lamp
2	../input/car-damage-assessment/image/2.jpeg	door_scratch

	image	classes
3	../input/car-damage-assessment/image/3.jpeg	head_lamp
4	../input/car-damage-assessment/image/4.jpeg	unknown

```
datafig, axes = plt.subplots(nrows=4, ncols=2, figsize=(10, 8),
                         subplot_kw={'xticks': [], 'yticks': []})

for i, ax in enumerate(axes.flat):
    ax.imshow(plt.imread(data.image[i]))
    ax.set_title(data.classes[i])
plt.tight_layout()
plt.show()
```