In [435…

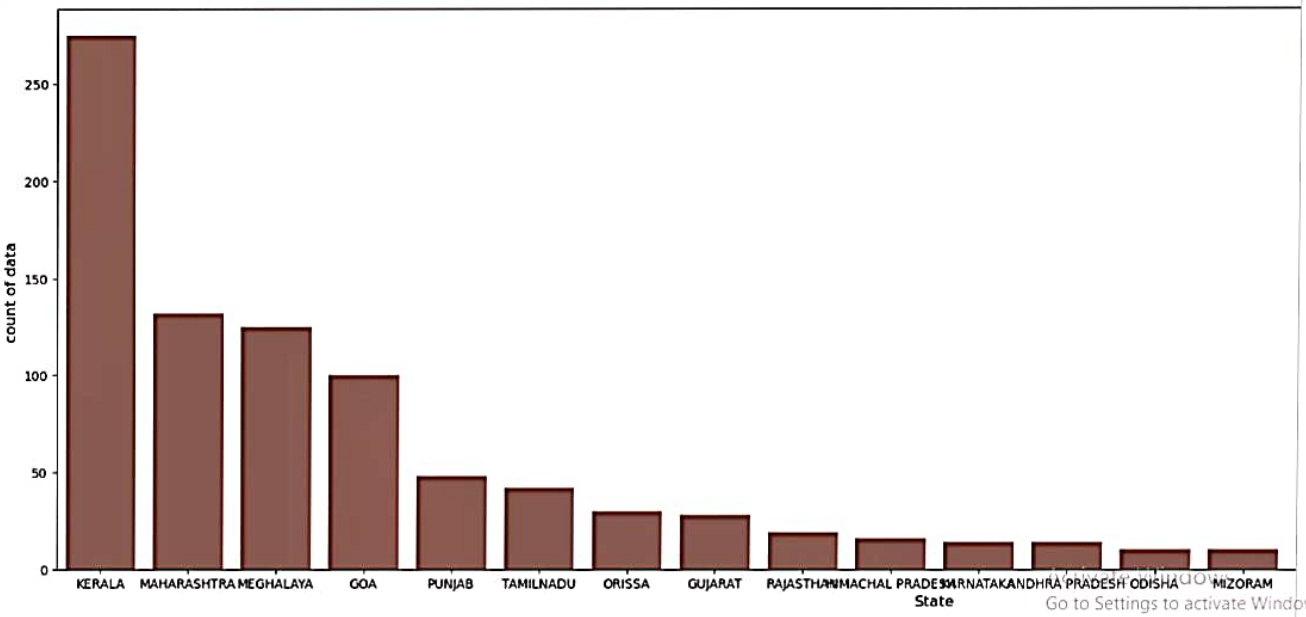
```
# viewing the column of state

color=sns.color_palette()

int_level = df['STATE'].value_counts()

plt.figure(figsize=(25,8))
sns.barplot(int_level.index,int_level.values,alpha=0.9,color=color[5])
plt.ylabel('count of data ',fontsize=12)
plt.xlabel('State',fontsize=12)
plt.show()
```

```
C:\ProgramData\Anaconda3\lib\site-packages\seaborn\_decorators.py:36: FutureWarning: Pass the followi
version 0.12, the only valid positional argument will be `data`, and passing other arguments without
or or misinterpretation.
  warnings.warn(
```



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In [436…

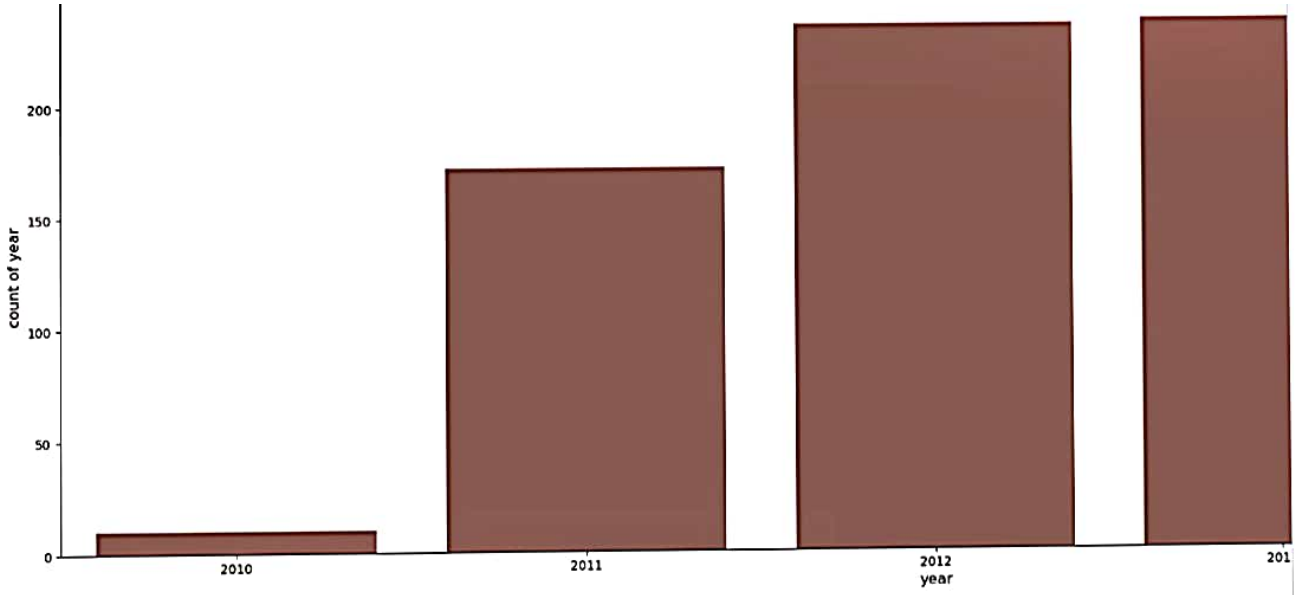
```
# viewing the column data of year

color=sns.color_palette()

int_level = df['year'].value_counts()

plt.figure(figsize=(25,8))
sns.barplot(int_level.index,int_level.values,alpha=0.9,color=color[5])
plt.ylabel('count of year',fontsize=12)
plt.xlabel('year',fontsize=12)
plt.show()
```

```
C:\ProgramData\Anaconda3\lib\site-packages\seaborn\_decorators.py:36: FutureWarning: Pass the followi
version 0.12, the only valid positional argument will be `data`, and passing other arguments without
or or misinterpretation.
  warnings.warn(
```



In [ ]:

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In [437...

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github.com/IBM-EPBL/IBM-Project-7757-1658897701/blob/main/Task%20%20%26%20%20Process/Data%20preprocessing/data%20visualize.jpeg

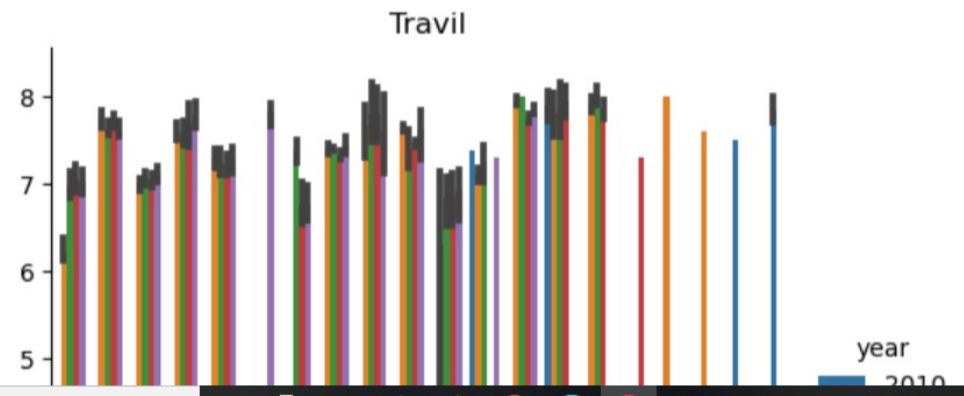
In [ ]:

In [437…

```
# State and year comparision with ph rate

plt.figure(figsize=(20,20))
g=sns.catplot(data=df,kind="bar",x="STATE",y="PH",hue="year")
plt.title("Travil")
```

Out[437… Text(0.5, 1.0, 'Travil')



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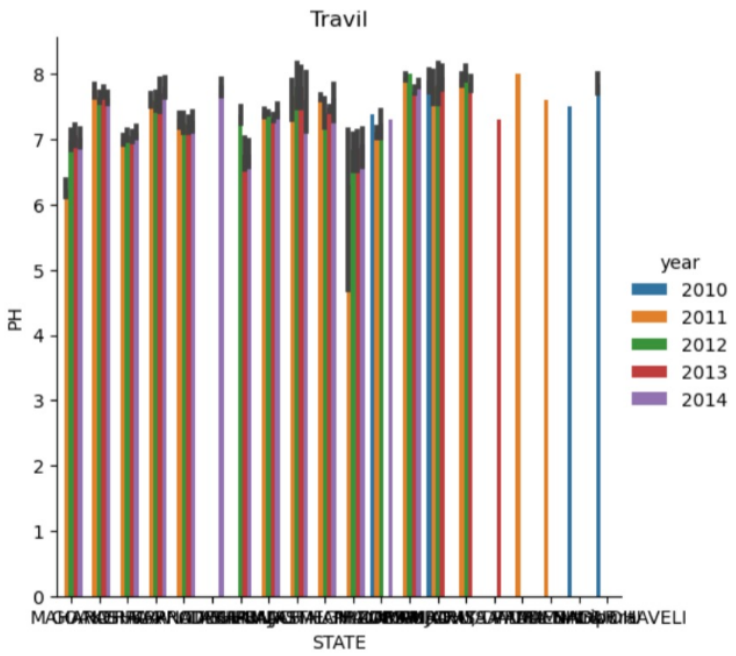

In [438...

```
df['year'].value_counts().plot(kind='pie',figsize=(7,7),autopct='%1.0f%%')
```

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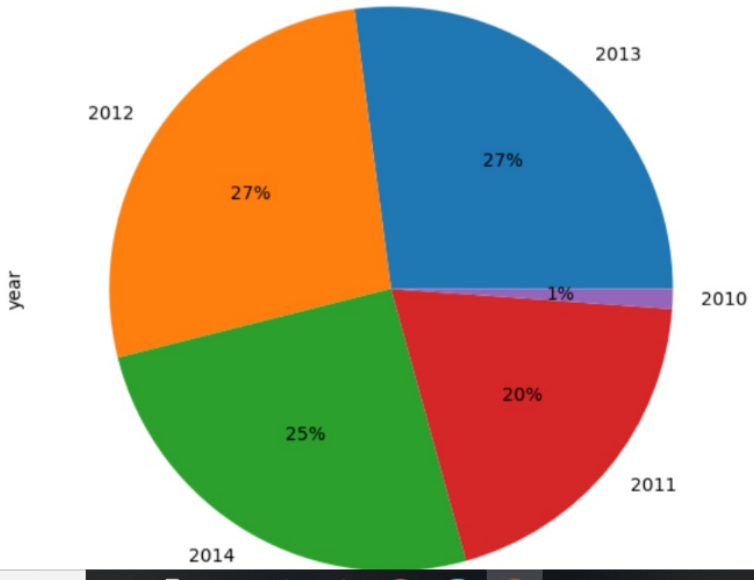
github.com/IBM-EPBL/IBM-Project-7757-1658897701/blob/main/Task%20%20%26%20%20Process/Data%20preprocessing/data%20visualize.jpeg

In [438...

```
df['year'].value_counts().plot(kind='pie',figsize=(7,7),autopct='%1.0f%%')
```

Out[438...



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