New Section

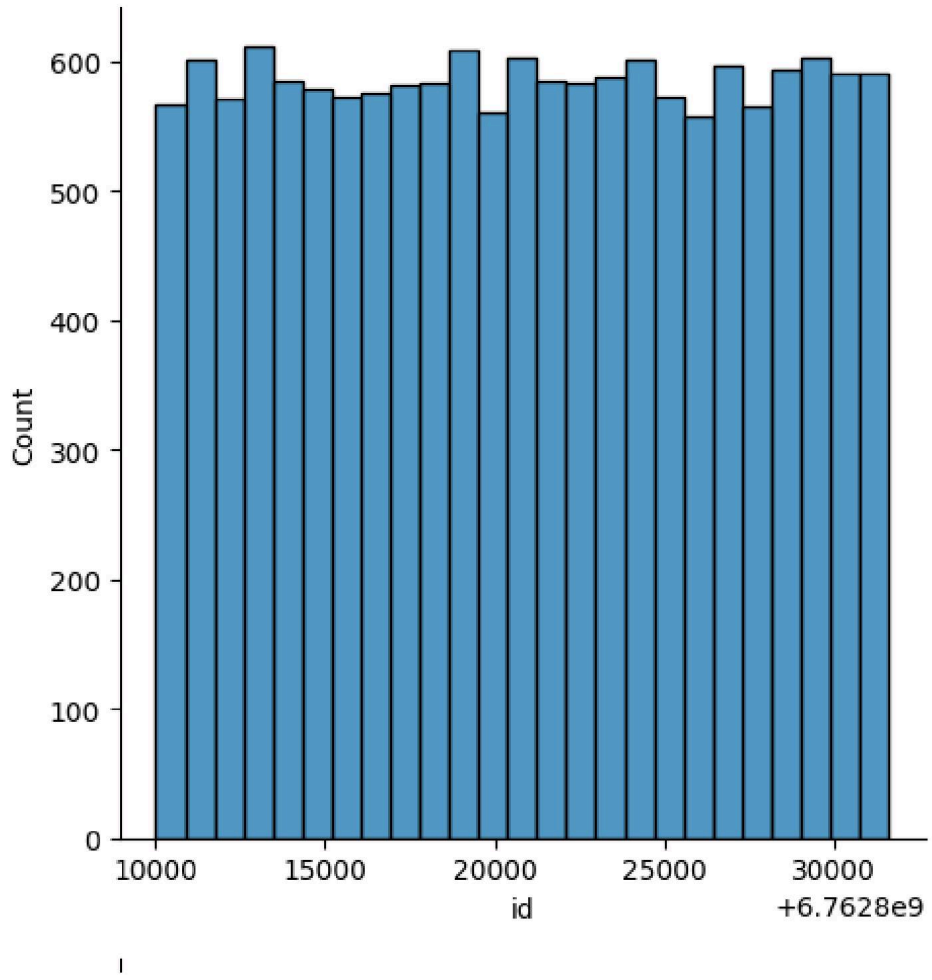
```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
path= "/House Price India.csv"
df=pd.read_csv(path)
```

Load the dataset

Univariate

```
sns.displot(df.id)
sns.displot(df.Date)
```

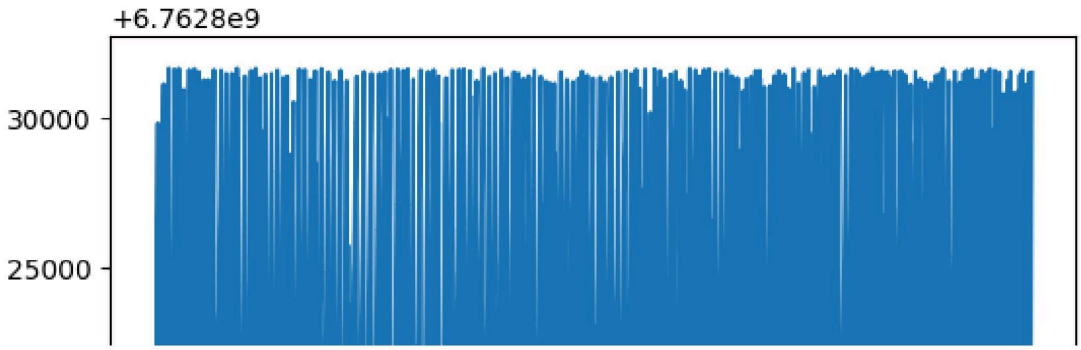
```
<seaborn.axisgrid.FacetGrid at 0x7f54c6076a30>
```



Bi-Variate

```
sns.lineplot(df.id)
```

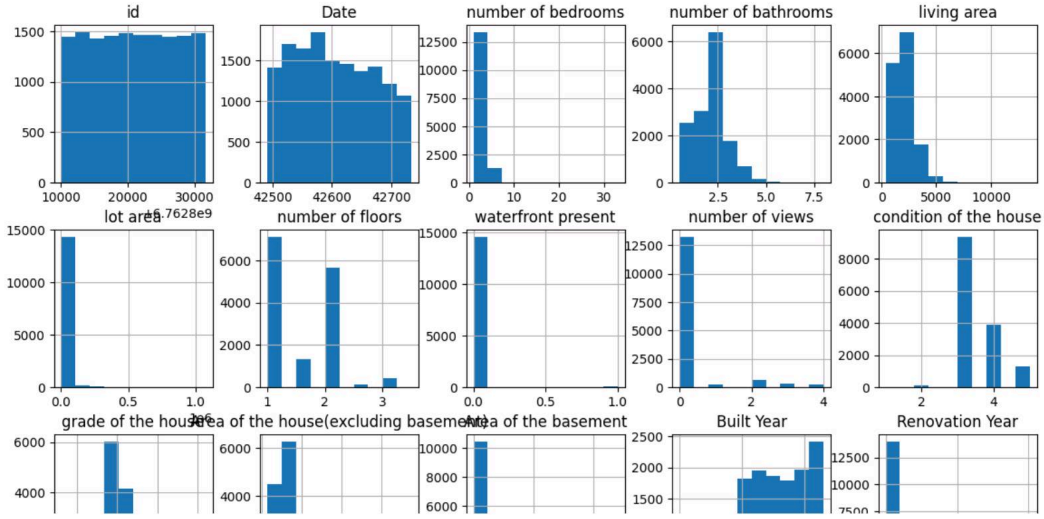
```
<Axes: ylabel='id'>
```



Multivariate

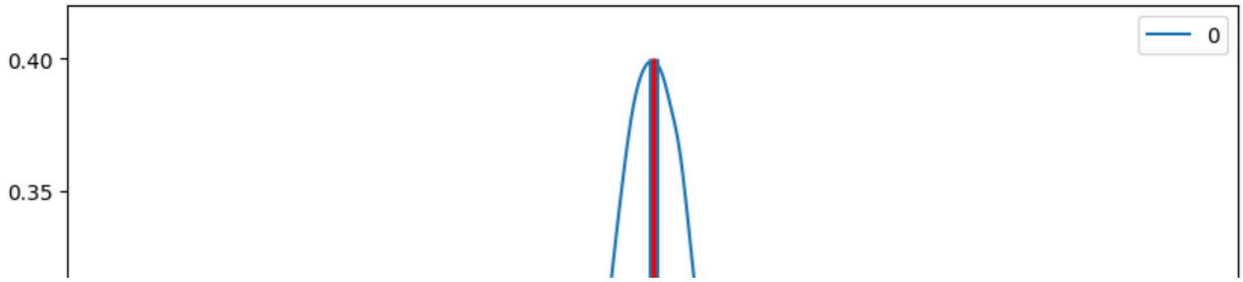
```
df.hist(figsize=(14,14))
```

```
array([[<Axes: title={'center': 'id'}>, <Axes: title={'center':
'Date'}>,
        <Axes: title={'center': 'number of bedrooms'}>,
        <Axes: title={'center': 'number of bathrooms'}>,
        <Axes: title={'center': 'living area'}>],
       [<Axes: title={'center': 'lot area'}>,
        <Axes: title={'center': 'number of floors'}>,
        <Axes: title={'center': 'waterfront present'}>,
        <Axes: title={'center': 'number of views'}>,
        <Axes: title={'center': 'condition of the house'}>],
       [<Axes: title={'center': 'grade of the house'}>,
        <Axes: title={'center': 'Area of the house(excluding
basement)'}>,
        <Axes: title={'center': 'Area of the basement'}>,
        <Axes: title={'center': 'Built Year'}>,
        <Axes: title={'center': 'Renovation Year'}>],
       [<Axes: title={'center': 'Postal Code'}>,
        <Axes: title={'center': 'Lattitude'}>,
        <Axes: title={'center': 'Longitude'}>,
        <Axes: title={'center': 'living_area_renov'}>,
        <Axes: title={'center': 'lot_area_renov'}>],
       [<Axes: title={'center': 'Number of schools nearby'}>,
        <Axes: title={'center': 'Distance from the airport'}>,
        <Axes: title={'center': 'Price'}>, <Axes: >, <Axes: >]],
      dtype=object)
```



perform Descriptive statistics on the Dataset

```
df.mean()
df.median()
norm_df=pd.DataFrame(np.random.normal(size=100000))
norm_df.plot(kind="density",figsize=(10,10));
plt.vlines(norm_df.mean(),ymin=0,ymax=0.4,linewidth=5.0);
plt.vlines(norm_df.median(),ymin=0,ymax=0.4,linewidth=2.0,color="red");
```



Missing Handling Value

```
df=pd.DataFrame(df)
df.isnull()
```

	id	Date	number of bedrooms	number of bathrooms	living area	lot area	number of floors	waterfront present	number of views
0	False	False	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False
...	...	...	...	...	...	...	...	...	...
14615	False	False	False	False	False	False	False	False	False
14616	False	False	False	False	False	False	False	False	False
14617	False	False	False	False	False	False	False	False	False
14618	False	False	False	False	False	False	False	False	False
14619	False	False	False	False	False	False	False	False	False

14620 rows × 23 columns

Welcome to Colab!

If you're already familiar with Colab, check out this video to learn about interactive tables, the executed code history view, and the command palette.