

## ▼ New Section

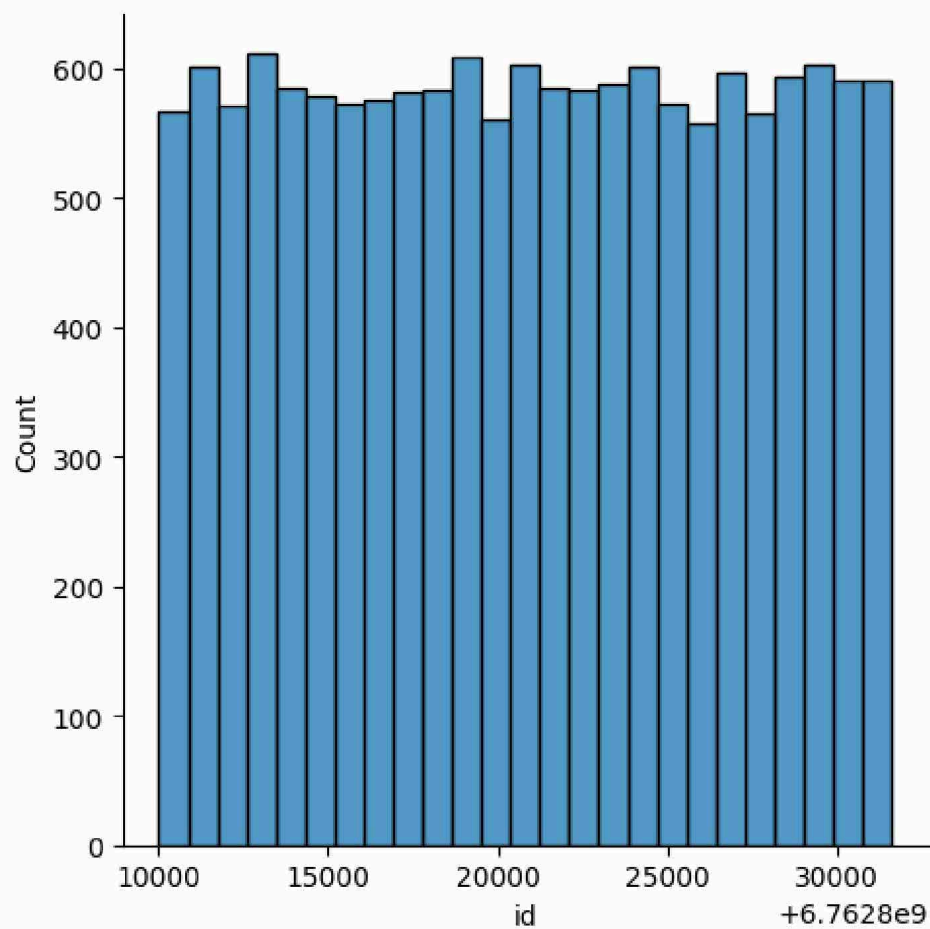
```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
path= "/House Price India.csv"
df=pd.read_csv(path)
```

Load the dataset

Univariate

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

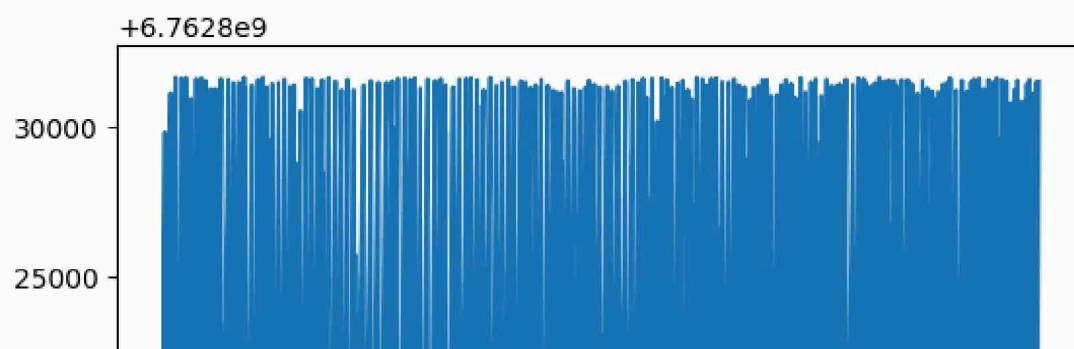
<seaborn.axisgrid.FacetGrid at 0x7f54c6076a30>



Bi-Variate

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

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



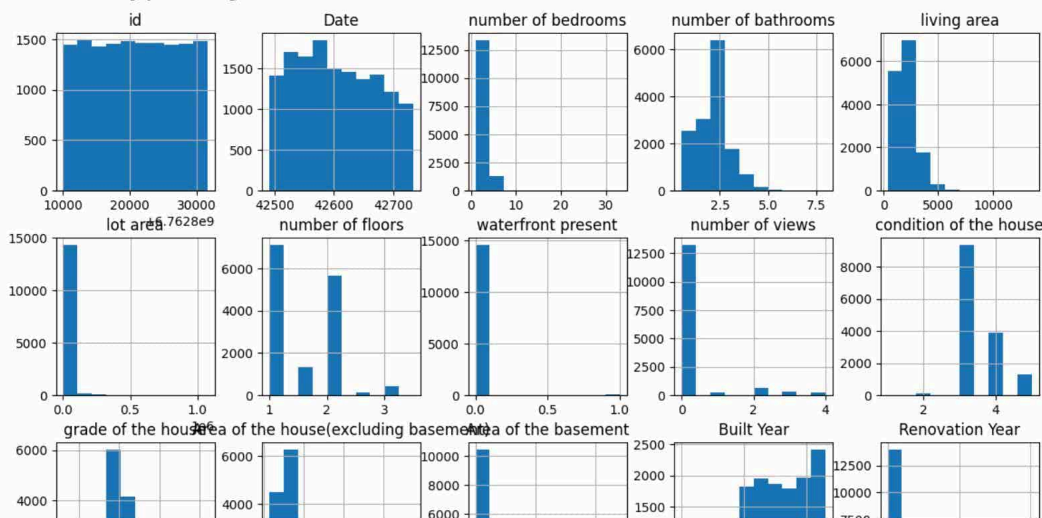
Multivariate

```
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': 'Latitude'}>,
      <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)

```

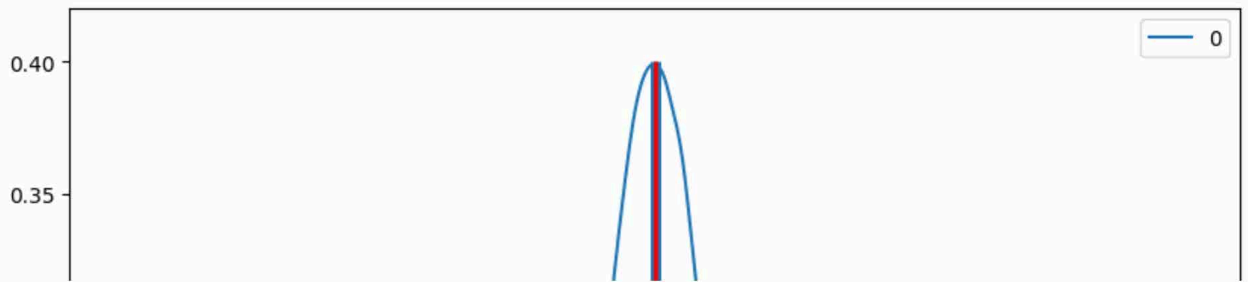


perform Descriptive statistics on the Dataset

```

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<br>of<br>bedrooms | number of<br>bathrooms | living<br>area | lot<br>area | number<br>of<br>floors | waterfront<br>present | number<br>of<br>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.