```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from datetime import datetime
```

```python
data = pd.read_csv('C:\\Users\\tejas\\Downloads\\householdtask3.csv')
```

```python
display(data.head(10))
```

	year	tot_hhs	own	own_wm	own_prop	own_wm_prop	prop_hhs	age	size	income	ex
0	2008	1560859	1087580	574406	69.7	36.8	100.0	35.9	2.7	46704	
1	2008	185965	71256	39405	38.3	21.2	11.9	29.9	2.6	23404	
2	2008	312376	191470	48424	61.3	15.5	20.0	40.0	2.3	16747	
3	2008	312333	196203	84171	62.8	26.9	20.0	34.7	2.8	31308	
4	2008	312240	217657	141318	69.7	45.3	20.0	31.5	3.0	49106	
5	2008	312336	229014	147658	73.3	47.3	20.0	35.3	2.6	61674	
6	2008	311574	253235	152835	81.3	49.1	20.0	39.3	2.5	96861	
7	2008	312761	194358	49448	62.1	15.8	20.0	38.7	2.5	23680	
8	2008	311973	206342	86390	66.1	27.7	20.0	36.1	2.7	34155	
9	2008	311840	194361	108065	62.3	34.7	20.0	33.0	2.8	49771	

```python
#Scatter plot with year column against own column
plt.scatter(data['year'],data['own'])

#Adding Title to the plot
plt.title("Scatter Plot")

#Setting the X and Y label
plt.xlabel('year')
plt.ylabel('own')

#showing the result
plt.show()
```
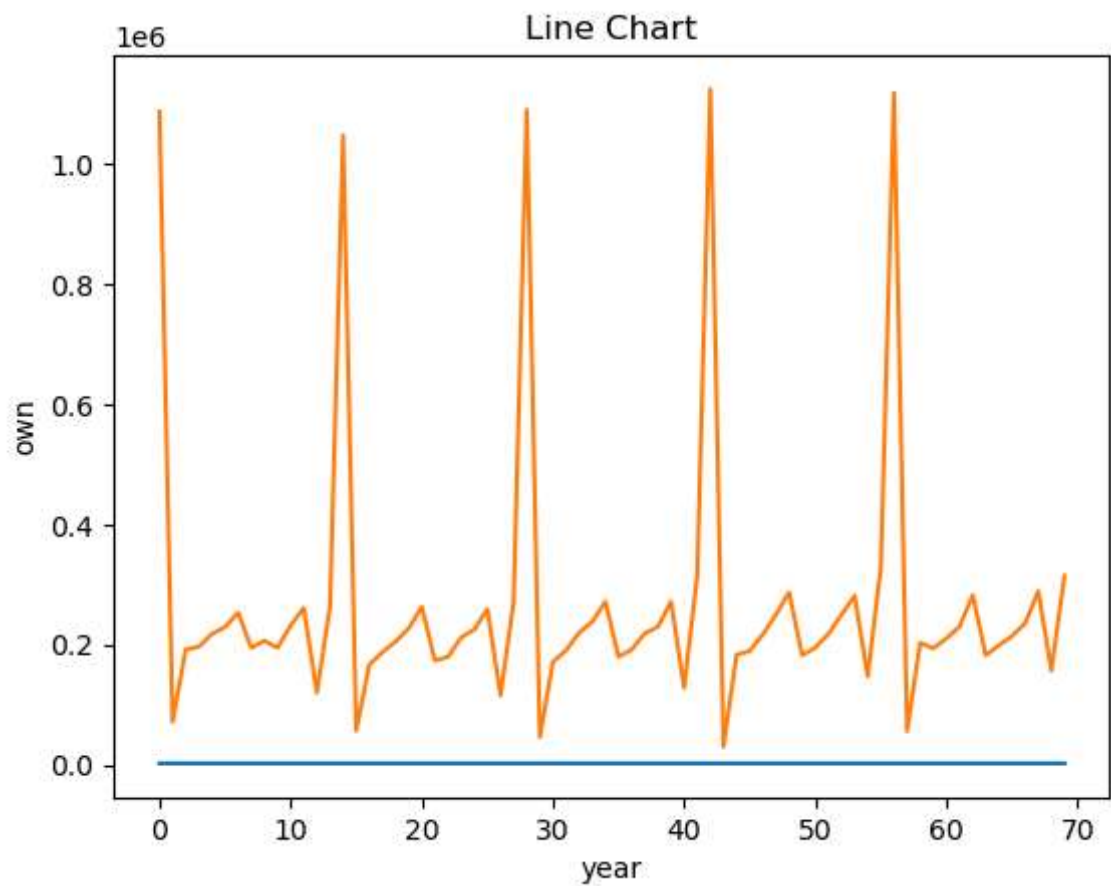
Scatter Plot
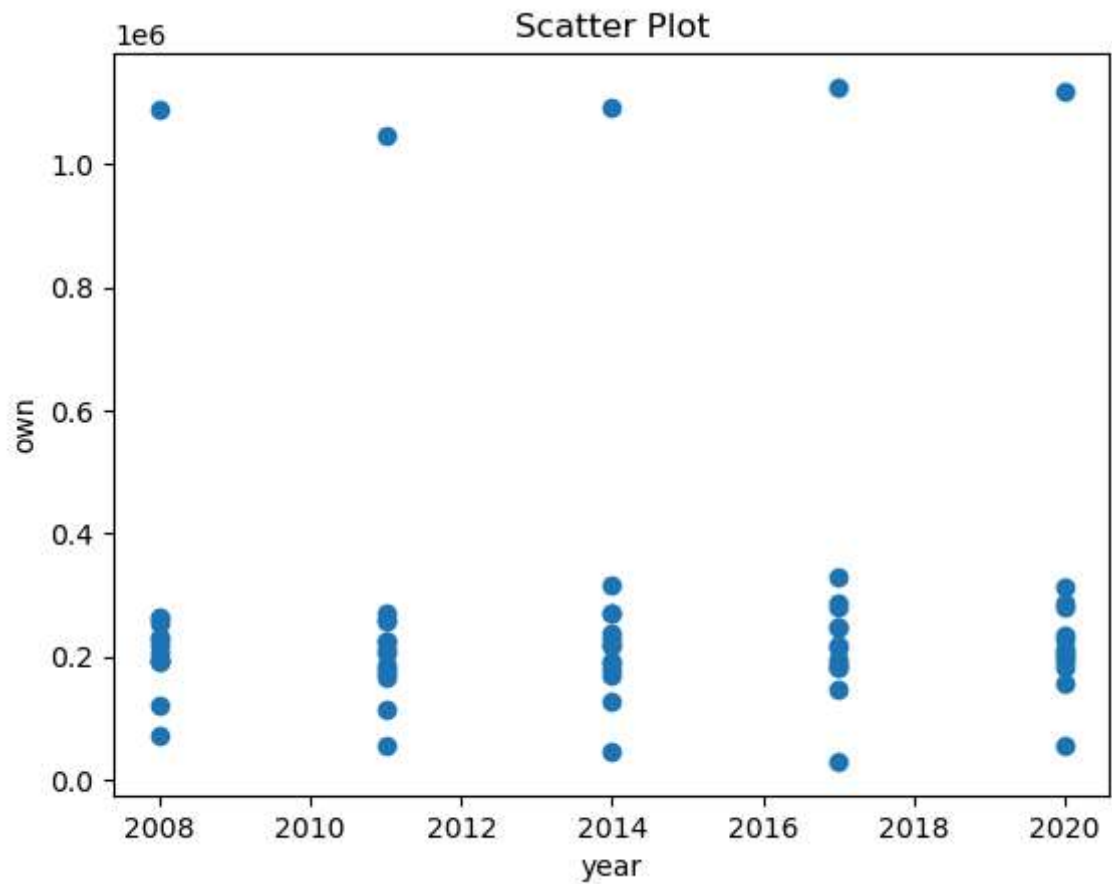
In [6]:
```python
#Line chart with year against own column
plt.plot(data['year'])
plt.plot(data['own'])

#Adding Title to the plot
plt.title("Line Chart")

#Setting the X and Y label
plt.xlabel('year')
plt.ylabel('own')

#showing the result
plt.show()
```
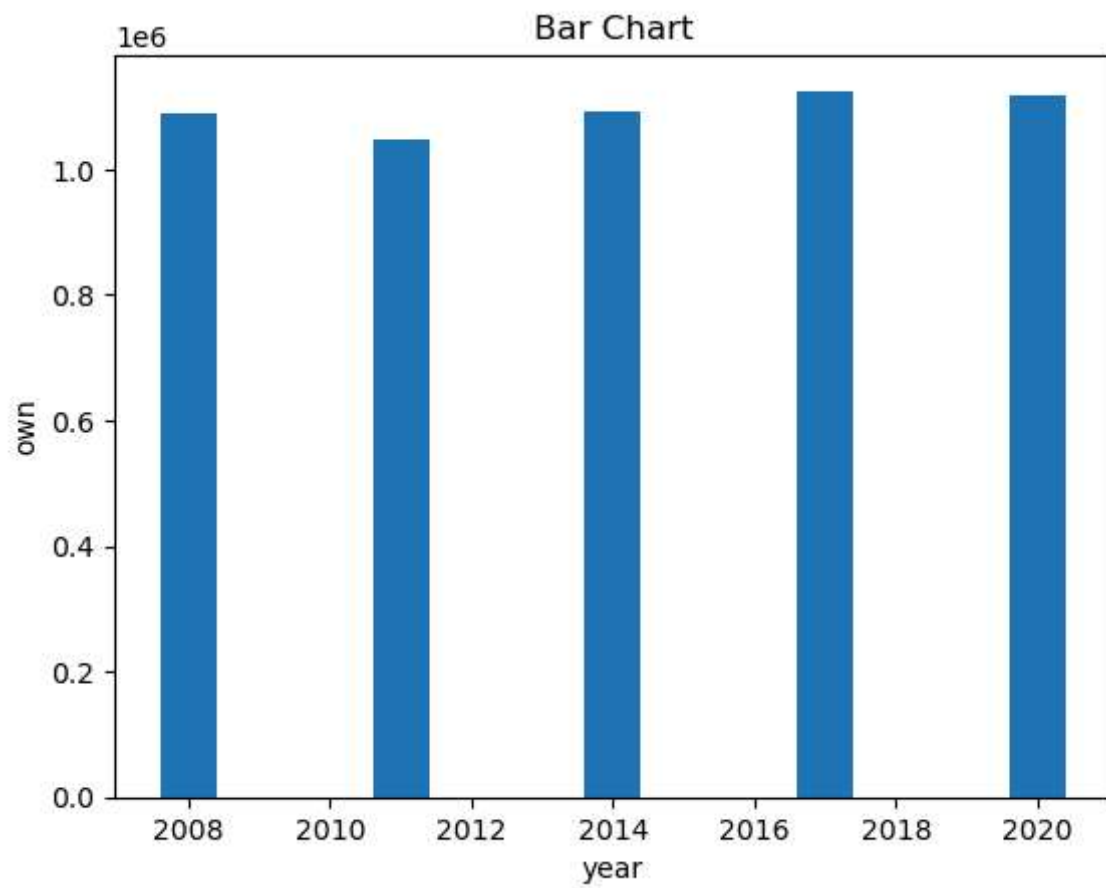
Line Chart

In [7]:
```python
#Barchart or Bar plot
plt.bar(data['year'],data['own'])

#Adding Title to the plot
plt.title("Bar Chart")

#Setting the X and Y label
plt.xlabel('year')
plt.ylabel('own')

#showing the result
plt.show()
```
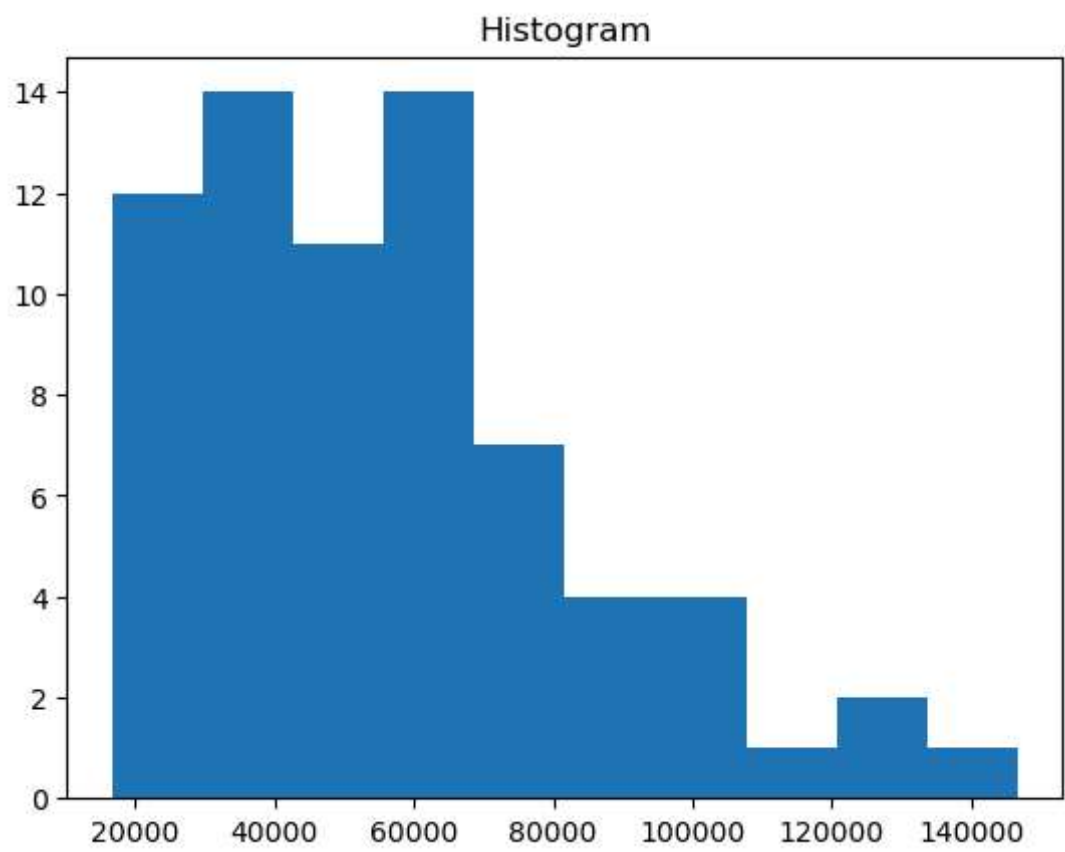
Bar Chart

In [8]:
```python
#Histogram
plt.hist(data['income'])

#Adding Title to the plot
plt.title("Histogram")

#showing the result
plt.show()
```

Histogram