In [9]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

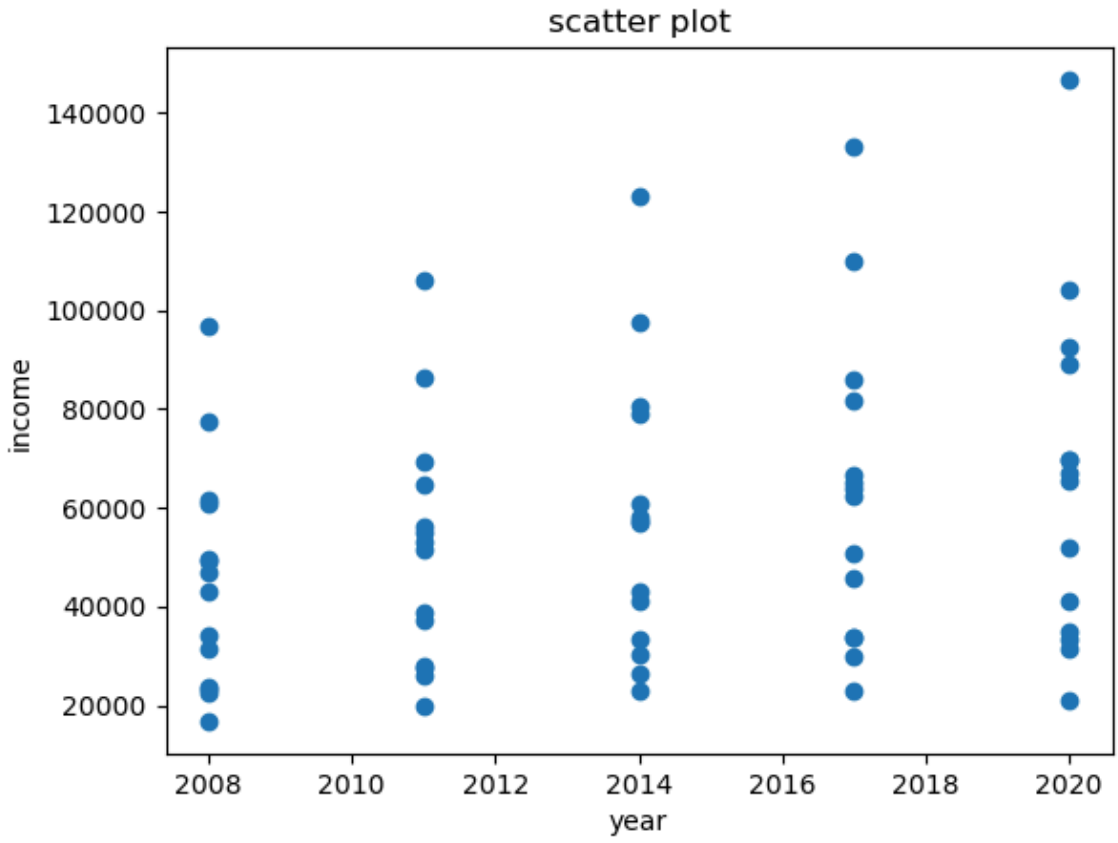
In [12]:
```
data=pd.read_csv(r"C:\Users\NITYA PRIYA\Downloads\householdtask3.csv")
```

In [13]:
```
data.head(10)
```

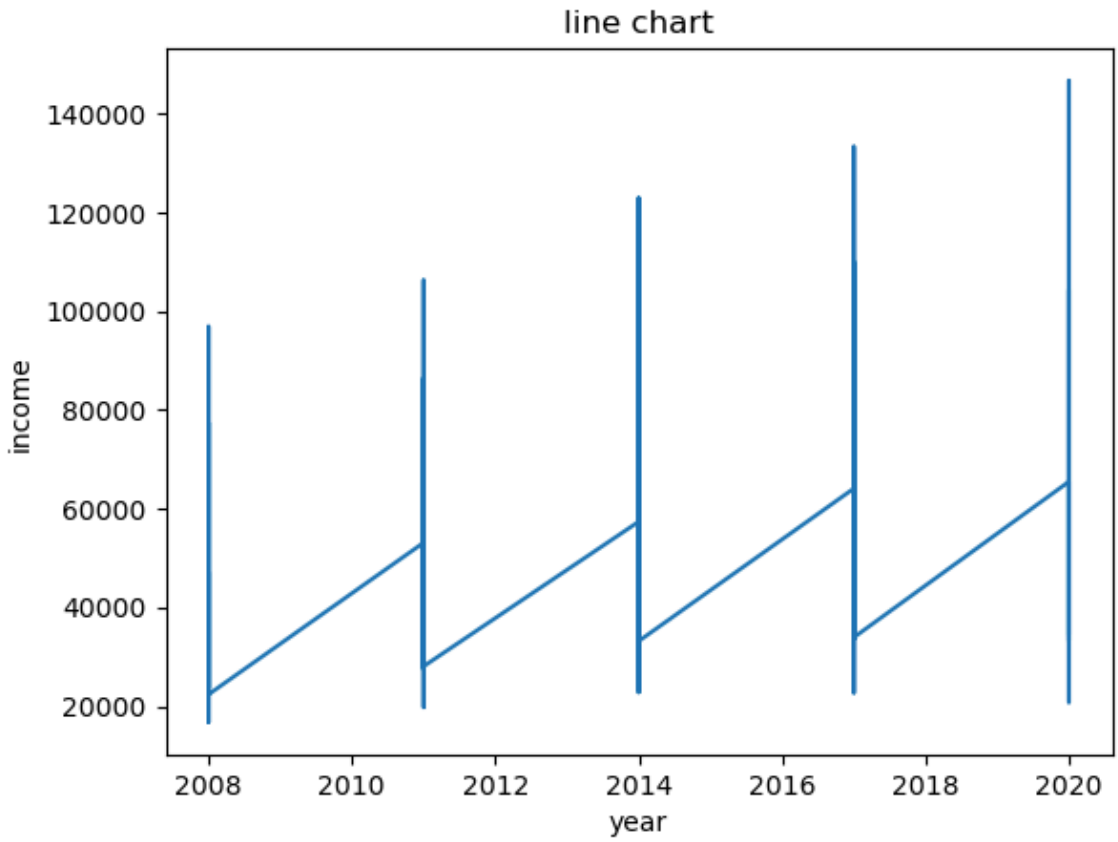
Out[13]:

	year	tot_hhs	own	own_wm	own_prop	own_wm_prop	prop_hhs	age	size	incom
0	2008	1560859	1087580	574406	69.7	36.8	100.0	35.9	2.7	467(
1	2008	185965	71256	39405	38.3	21.2	11.9	29.9	2.6	234(
2	2008	312376	191470	48424	61.3	15.5	20.0	40.0	2.3	167-
3	2008	312333	196203	84171	62.8	26.9	20.0	34.7	2.8	313(
4	2008	312240	217657	141318	69.7	45.3	20.0	31.5	3.0	491(
5	2008	312336	229014	147658	73.3	47.3	20.0	35.3	2.6	616-
6	2008	311574	253235	152835	81.3	49.1	20.0	39.3	2.5	968(
7	2008	312761	194358	49448	62.1	15.8	20.0	38.7	2.5	236(
8	2008	311973	206342	86390	66.1	27.7	20.0	36.1	2.7	341(
9	2008	311840	194361	108065	62.3	34.7	20.0	33.0	2.8	497-

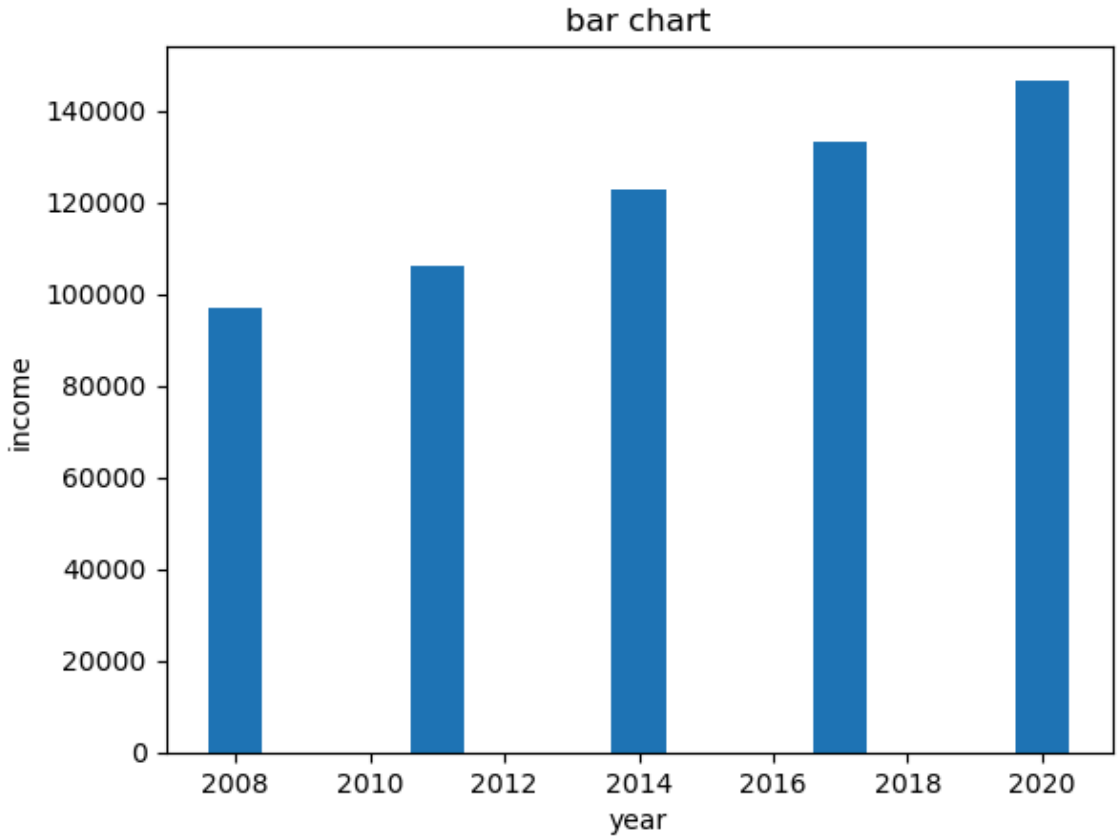
In [16]:
```
#scatter plot with year against income
plt.scatter(data['year'],data['income'])
#adding title to plot
plt.title("scatter plot")
#setting x and y labels
plt.xlabel('year')
plt.ylabel('income')
#showing result
plt.show()
```



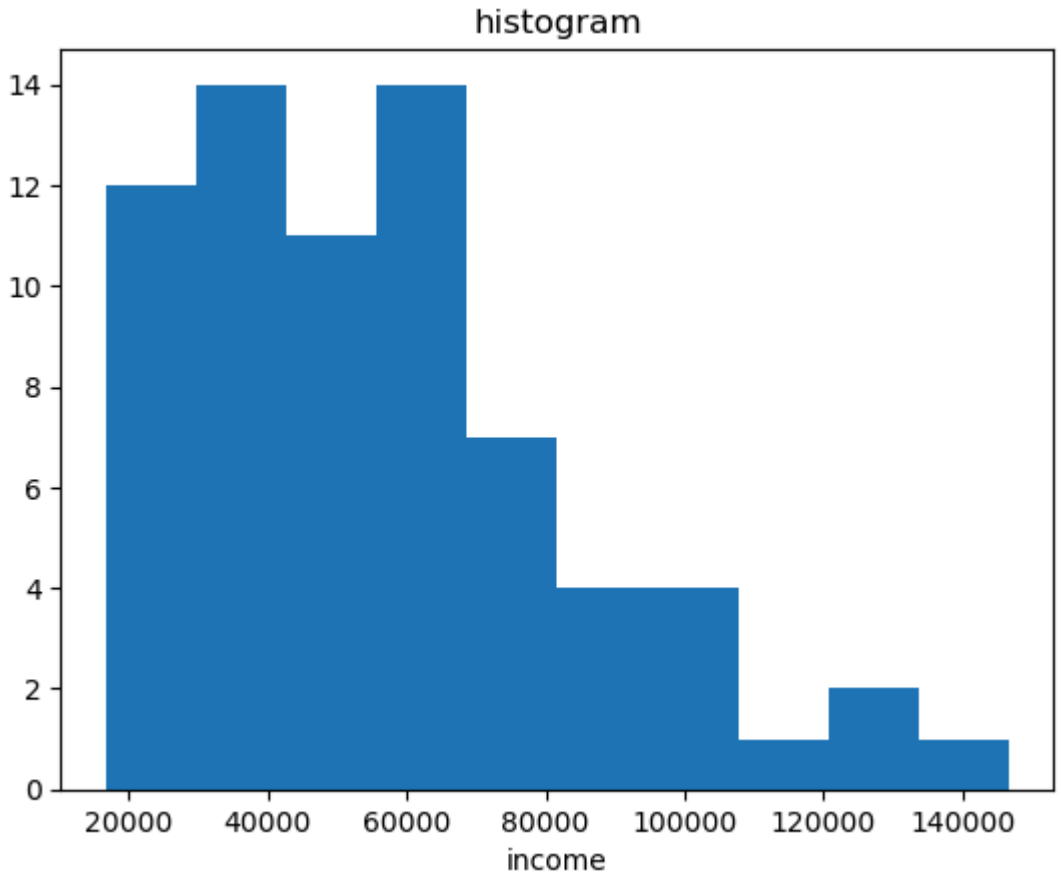
In [17]:
```
#line chart between year and income
plt.plot(data['year'],data['income'])
#adding title to plot
plt.title("line chart")
#setting x and y labels
plt.xlabel('year')
plt.ylabel('income')
#showing result
plt.show()
```



In [18]:
```
#bar chart between year and income
plt.bar(data['year'],data['income'])
#adding title to plot
plt.title("bar chart")
#setting x and y labels
plt.xlabel('year')
plt.ylabel('income')
#showing result
plt.show()
```



In [24]:
```
#histogram between year and income
plt.hist(data['income'])
#adding title to plot
plt.title("histogram")
#setting x and y labels
plt.xlabel('income')
#showing result
plt.show()
```



In [ ]:

In [ ]: