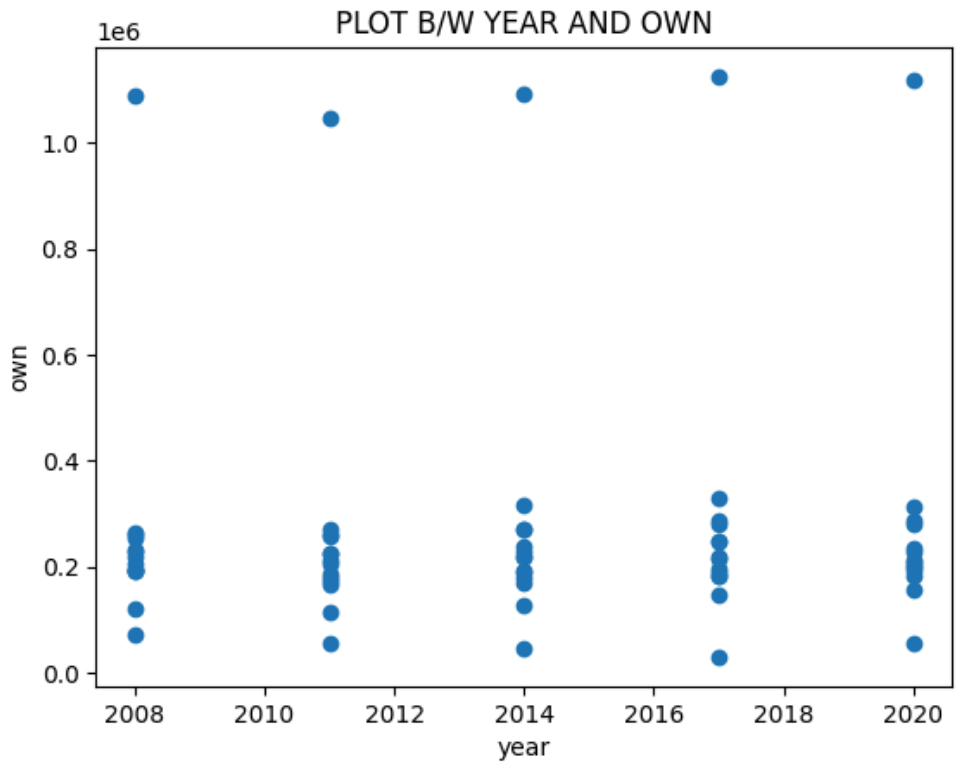
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from datetime import datetime

df = pd.read_csv("/content/householdtask3.csv")

df.head(10)
```

	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	4670
1	2008	185965	71256	39405	38.3	21.2	11.9	29.9	2.6	2340
2	2008	312376	191470	48424	61.3	15.5	20.0	40.0	2.3	1674
3	2008	312333	196203	84171	62.8	26.9	20.0	34.7	2.8	3130
4	2008	312240	217657	141318	69.7	45.3	20.0	31.5	3.0	4910
5	2008	312336	229014	147658	73.3	47.3	20.0	35.3	2.6	6167
6	2008	311574	253235	152835	81.3	49.1	20.0	39.3	2.5	9686
7	2008	312761	194358	49448	62.1	15.8	20.0	38.7	2.5	2368
8	2008	311973	206342	86390	66.1	27.7	20.0	36.1	2.7	3415
9	2008	311840	194361	108065	62.3	34.7	20.0	33.0	2.8	4977

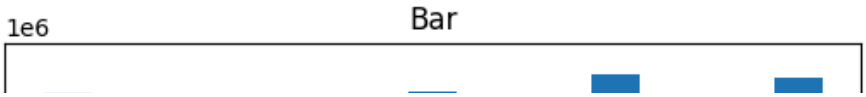
Next steps: Generate code with `df` View recommended plots

```
#scatter plot between year and own
plt.scatter(df['year'],df['own'])
# title to scatter plot
plt.title("PLOT B/W YEAR AND OWN")
plt.xlabel("year")
plt.ylabel("own")
```

```
Text(0, 0.5, 'own')
```




```
#add legends
plt.show()
plt.bar(df['year'],df['own'])
#title
plt.title("Bar")

#labelling
plt.xlabel("year")
plt.ylabel("own")

#add legends
plt.show()
```




```
#histo
plt.hist(df['income'])
plt.title("histogram")
plt.show()
```