

# Turkey House Sales to Foreigners

## Data Analysis

Road Runner

December 2019



## What we have as source data?

### **House Sales Foreigners**

Year,Province, sales  
counts per month

### **House Sales Gender**

Year,City,Female,Male,  
Common,Other,Total

### **House Sales by Nationalities**

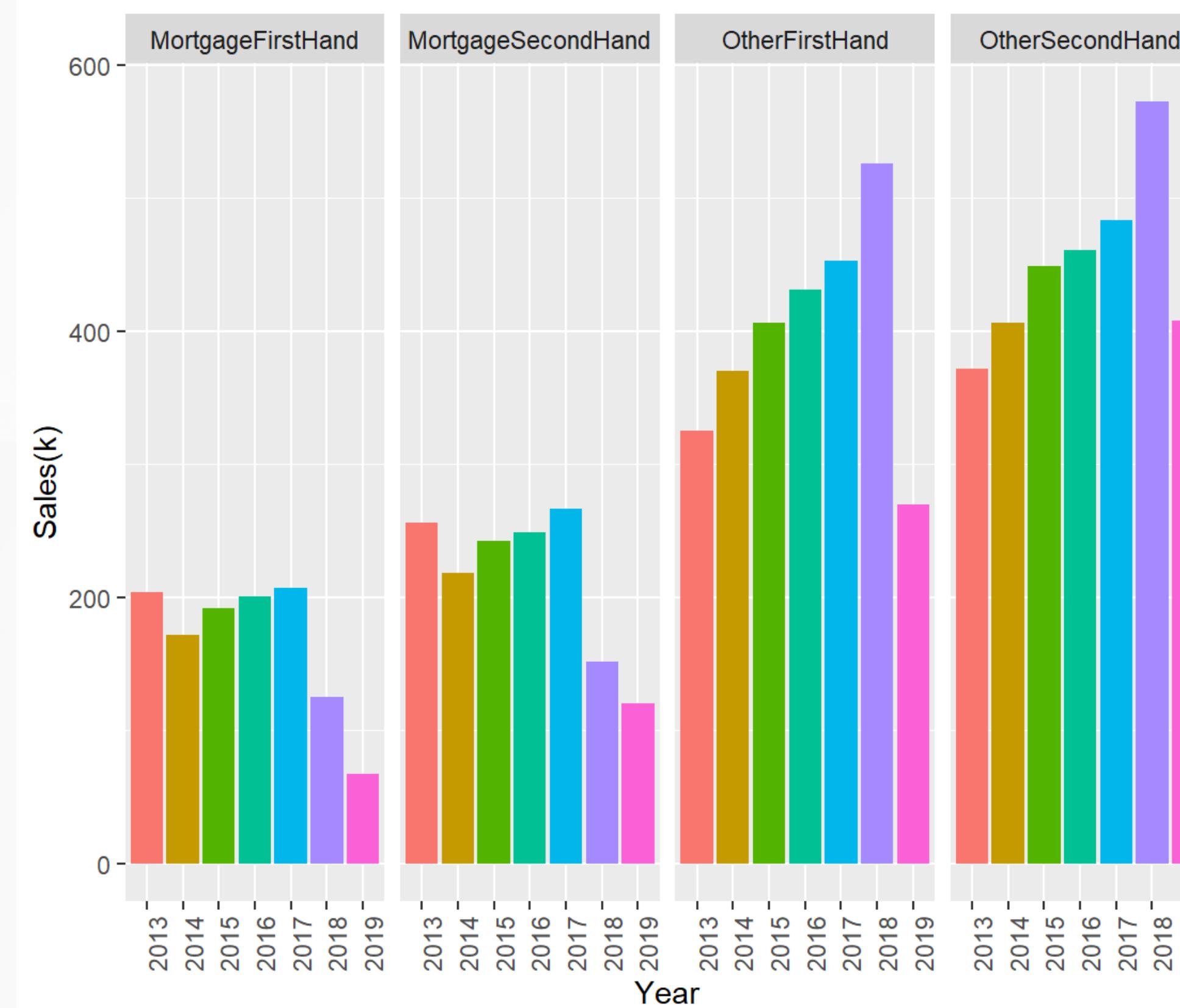
Year,Country,  
counts per Months

### **House sales Province based**

Year;Month;Province;Mortgaged\_FirstHand\_Sale;  
Mortgaged\_SecondHand\_Sale;Other\_FirstHand\_Sale;  
Other\_SecondHand\_Sale

# Total Sales Numbers through Years by Sales Type between years 2013-2019

## The sales payment type distribution



Year Colors

- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019



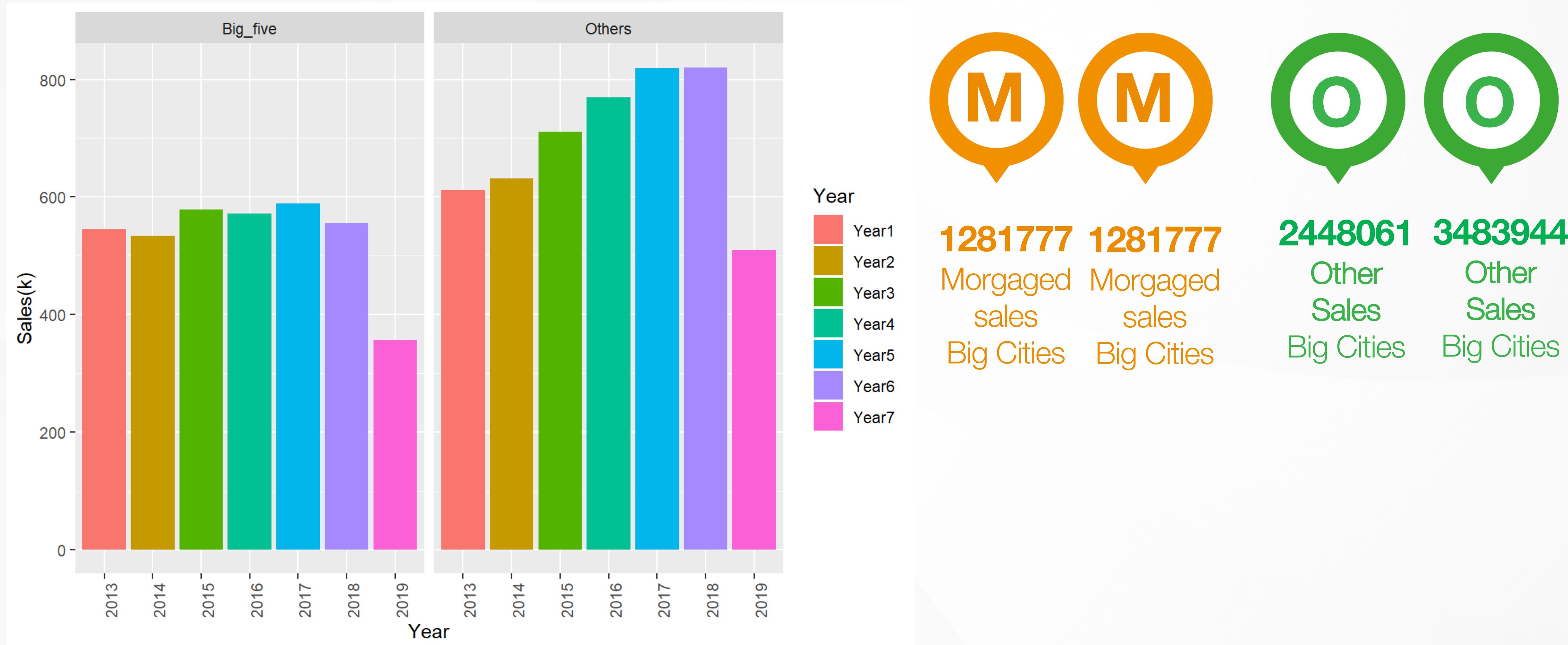
**2.671.524**  
Morgaged sales  
summary

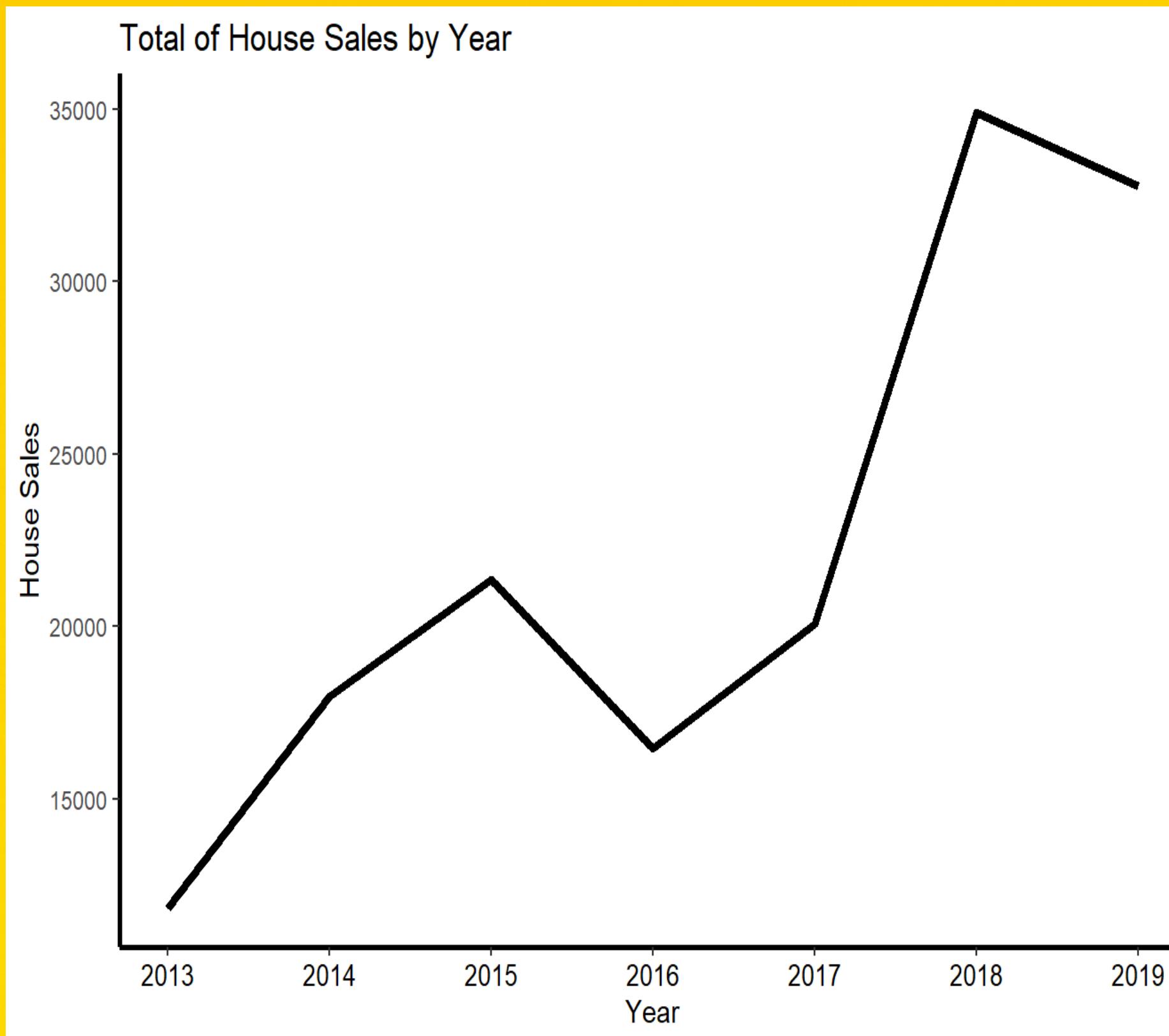


**5.932.005**  
Other payment Sales  
Summary

We can observe that no mortgage is needed for most of the foreigners.

# Total Sales Numbers Comparising Five most populated Cities and the Others





## House Sales by Year

House sales to foreigners between 2017 and 2018 is remarkable increased. Since 2019 November and December sales could not be reflected into this analysis, the change between 2018 and 2019 could not be determined.

Year <int>	total <dbl>
2013	11836
2014	17972
2015	21355
2016	16476
2017	20067
2018	34882
2019	32769

Sales numbers to foreigners are shared in several of cities.

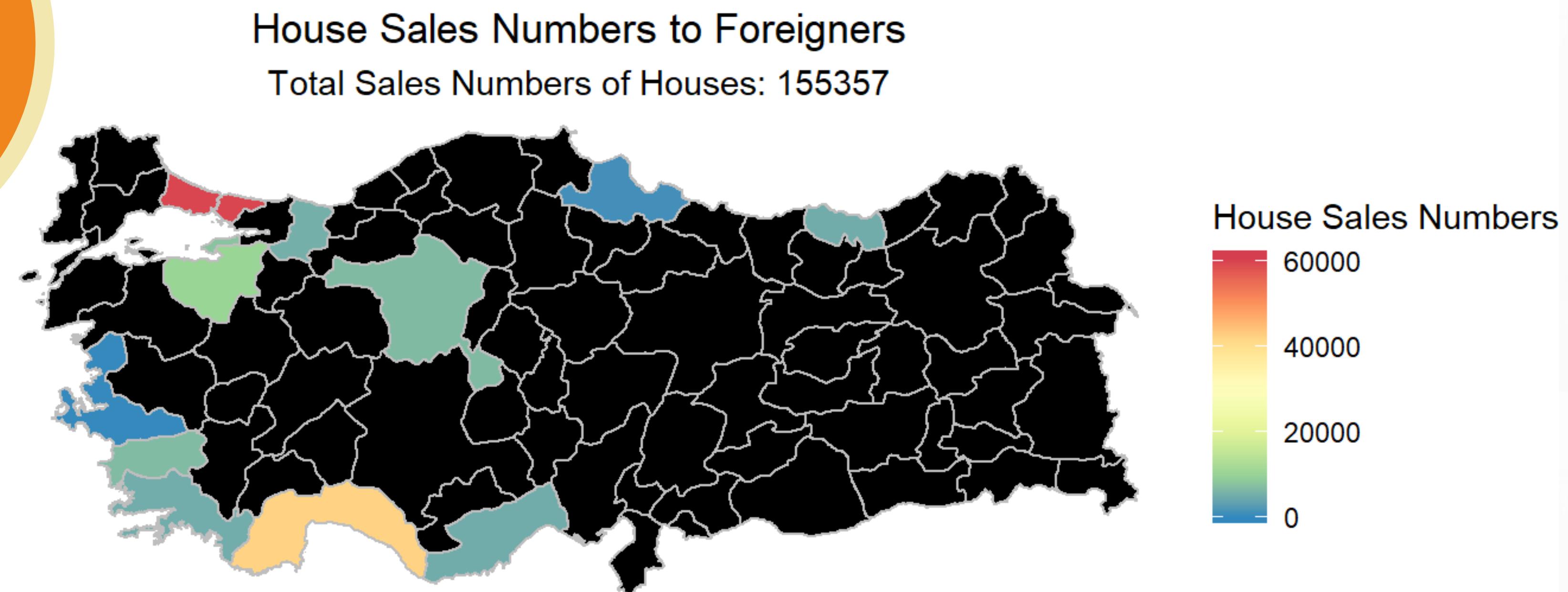
We examine the sales up to seasons as well.

Province	total_sum	total_win	total_sp	total_aut	rank	vars_group
<fctr>	<int>	<dbl>	<int>	<dbl>	<int>	<chr>
Istanbul	14379	13010	14229	18487	1	Province
Antalya	10941	8662	10529	12196	2	Province
Bursa	2446	2426	2259	3084	4	Province
Yalova	2018	1708	1717	2427	5	Province
Aydin	2015	1243	1501	2097	6	Province
Ankara	1644	1451	1414	2211	7	Province
Trabzon	1439	806	1239	1442	8	Province
Mugla	1408	972	1144	1450	9	Province
Sakarya	1323	1255	1099	1591	10	Province
Mersin	1202	1145	1189	1409	11	Province

1-10 of 12 rows

Previous 1 2 Next

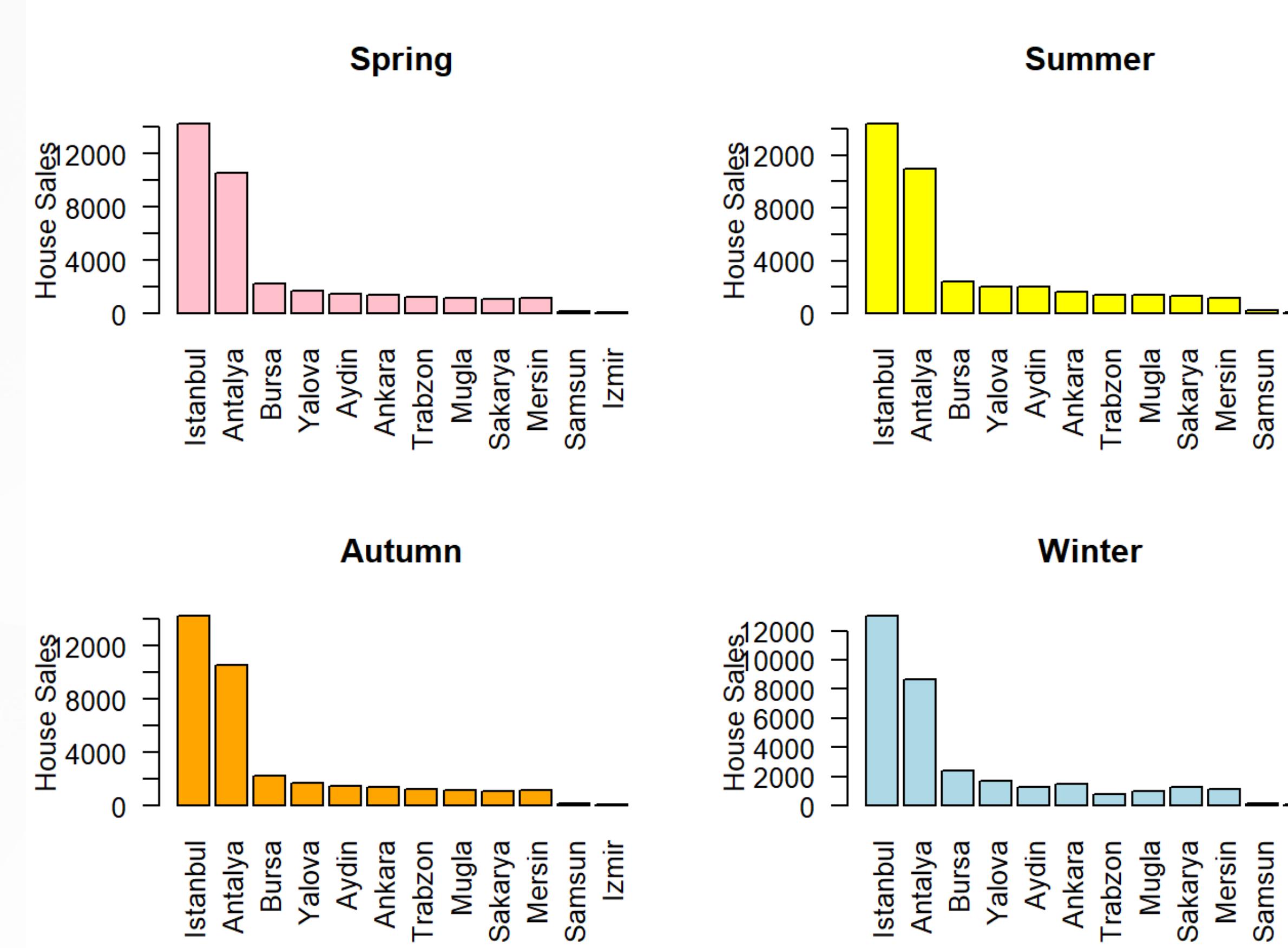
And we can see the distribution over Turkey map



Source: Türkiye İstatistik Kurumu

Istanbul has the highest sales density while Antalya follows.  
Although Samsun and Izmir have the lowest sales density

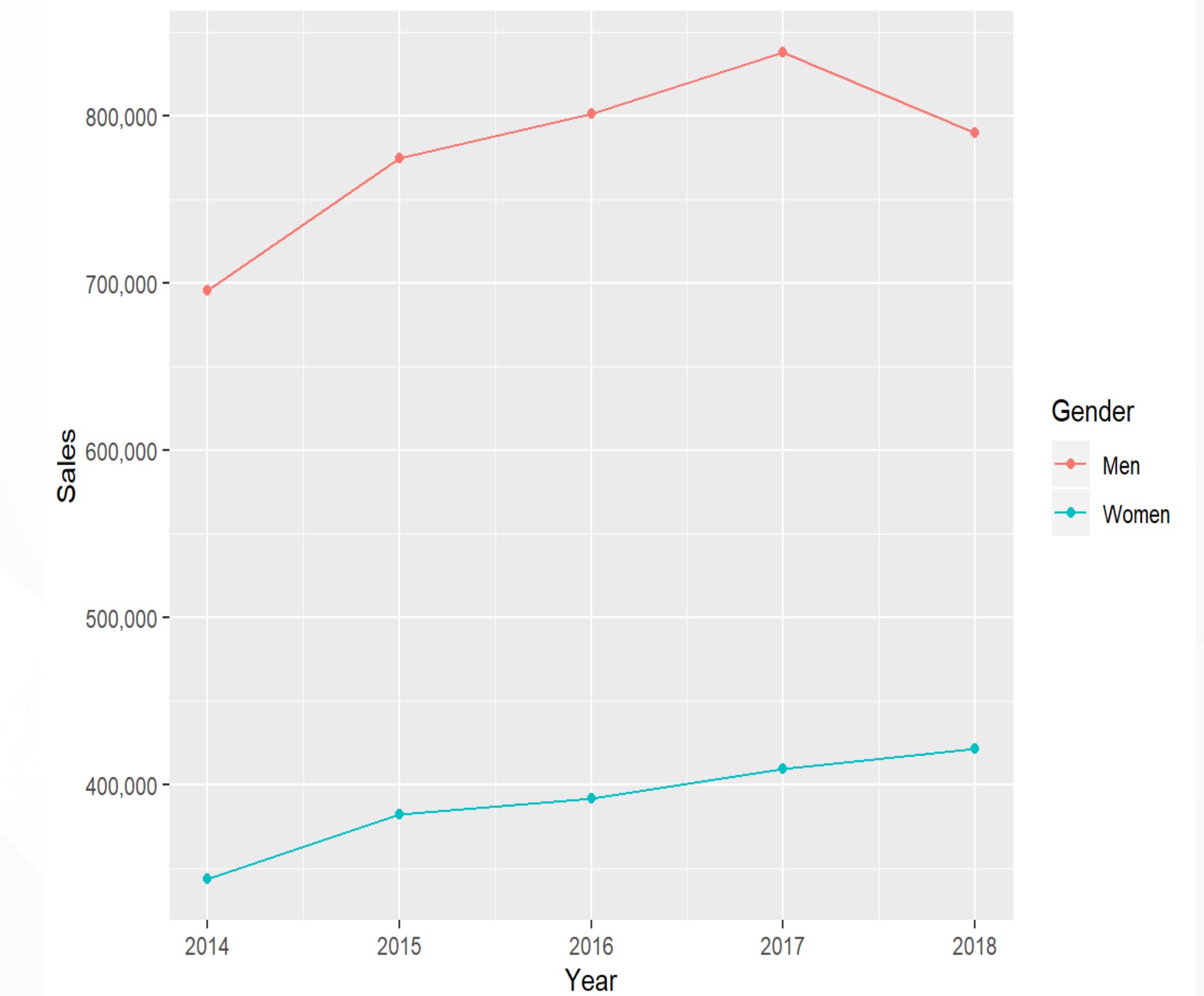
# Does the sales amount change by season ?



This plot states that seasons doesn't have significant impact on house sales.

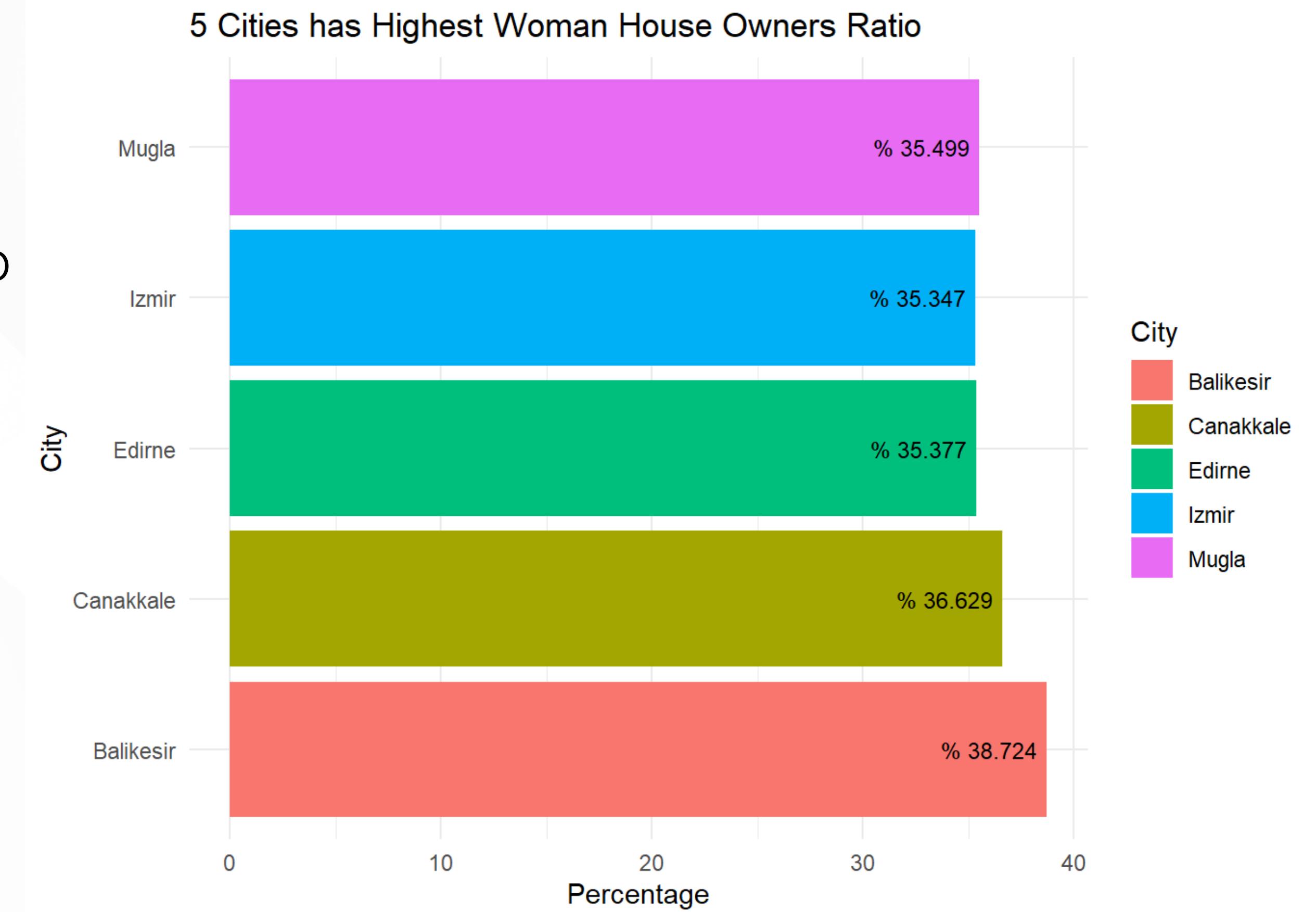
# House Sales to men and women from 2014 to 2018

An interesting point here is, house sales to males from 2017 through 2018 is decreasing, alough sales to female in same period is increasing.



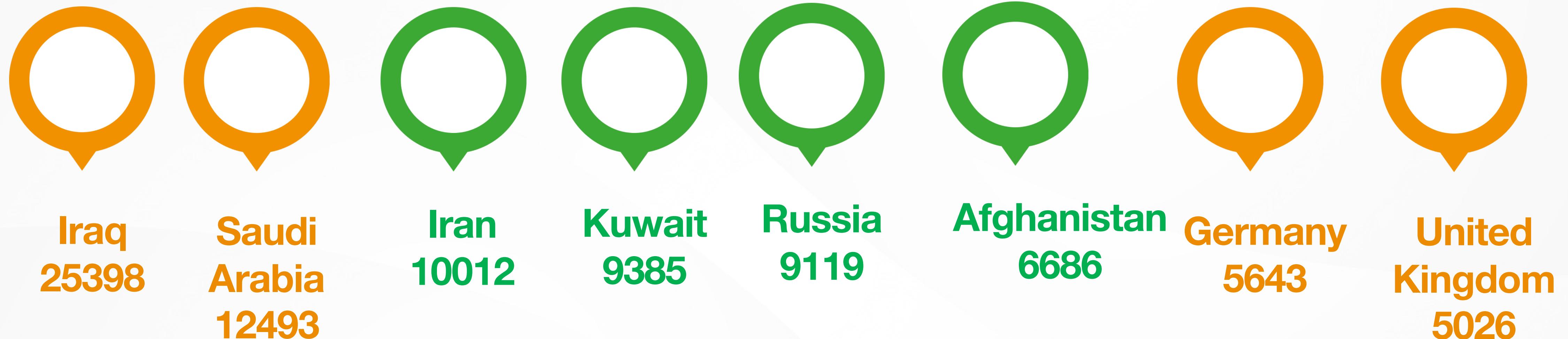
# \$ pink dollars

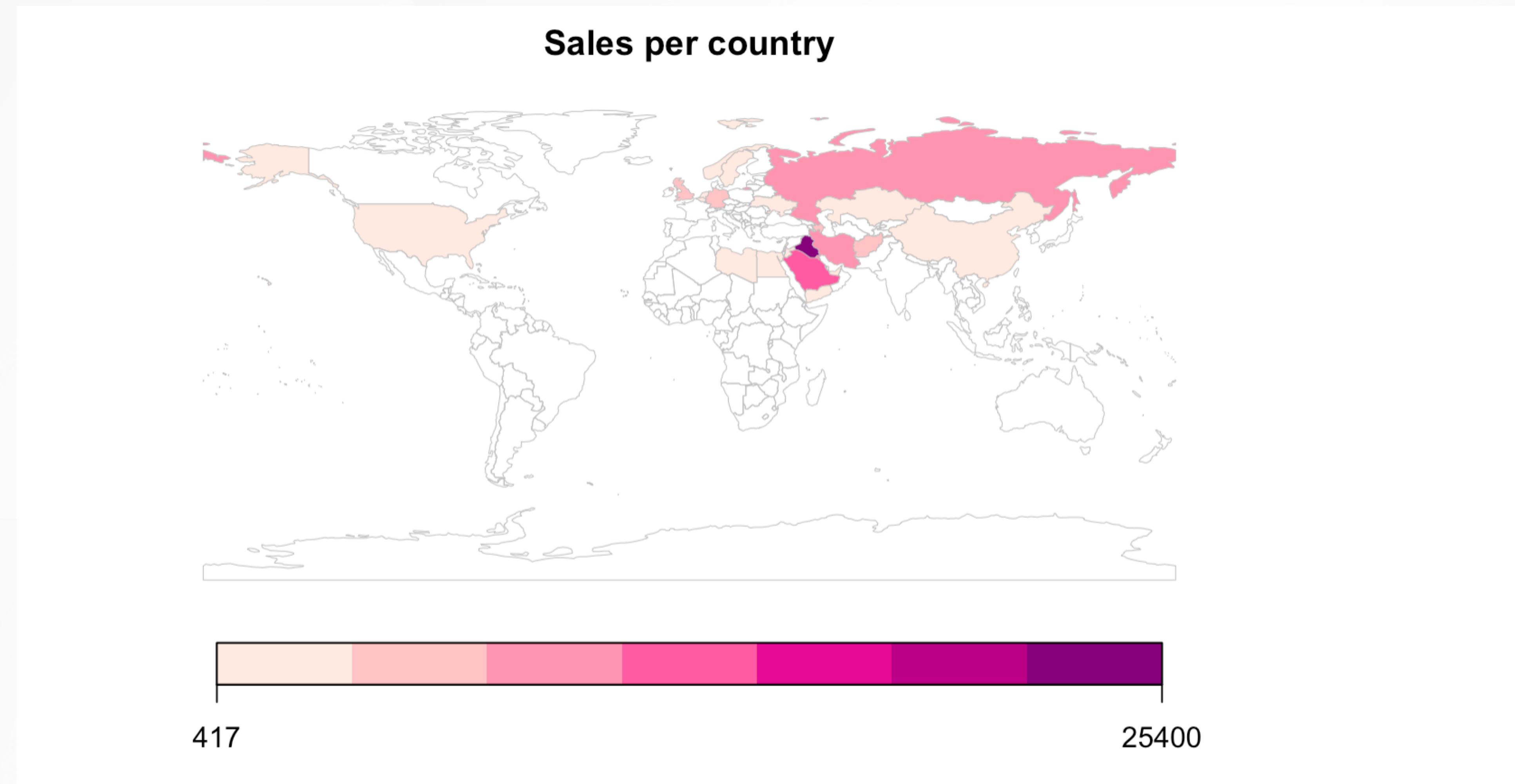
Balikesir take the lead for female owners ratio among other cities while Canakkale follows. Ege, Marmara and Akdeniz are the regions has highest female house owner ratio.



## Total Sales Numbers per country since 2015

The countries whose total sales is more than 5k







**Thank you for listening**

Bilgehan Kırın Çelebi      Erkan Tekingül      Emre Usta  
Tuğçe Aydın      Gökhan Koca

