

1460

Id

25

Count of Neighborhood

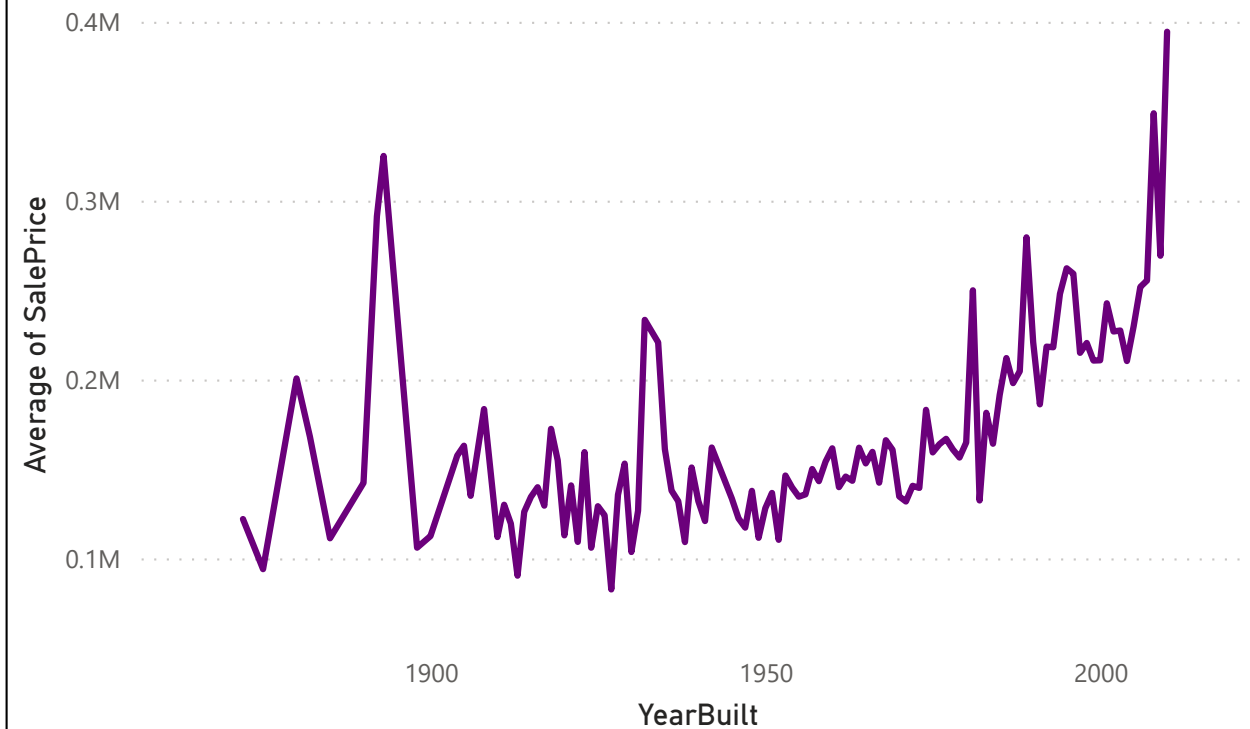
180.92K

Average of SalePrice

# Housing Price Data Set on Power BI

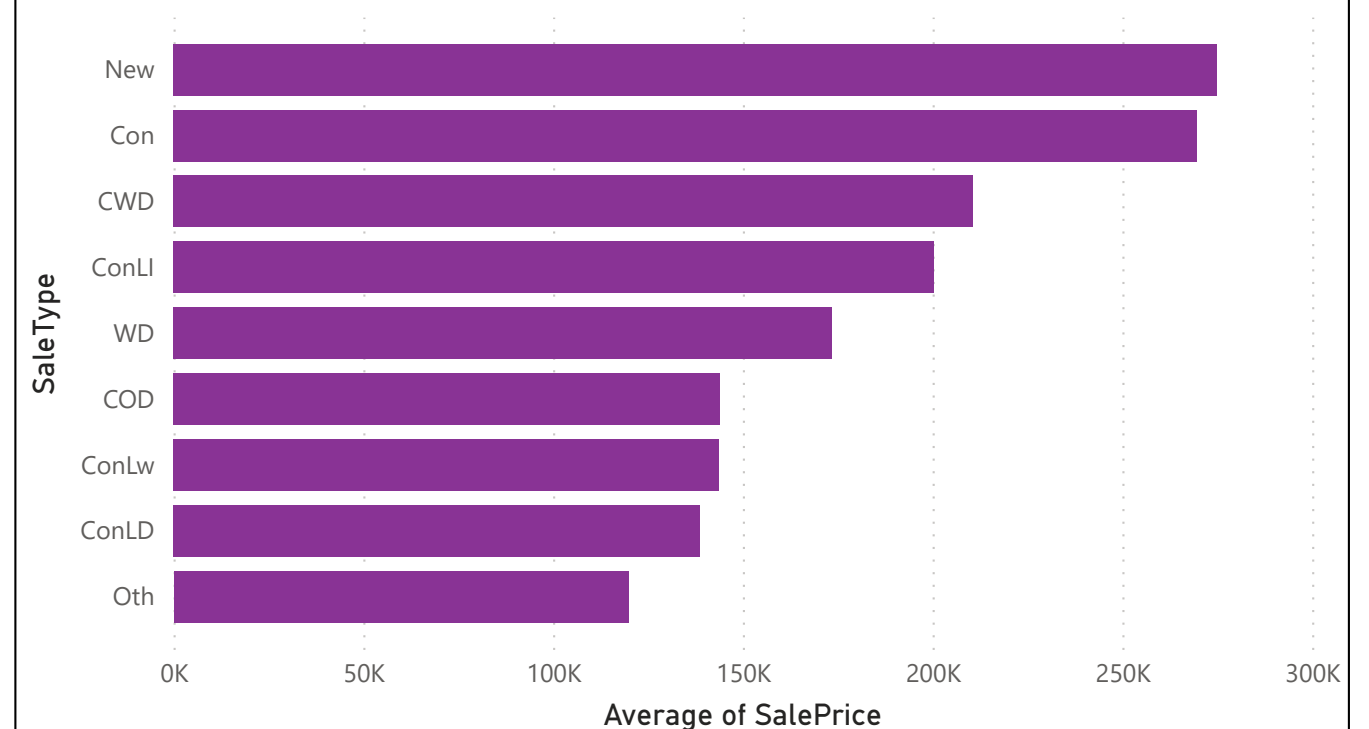
EDA - Assignment 2

Average of SalePrice by YearBuilt



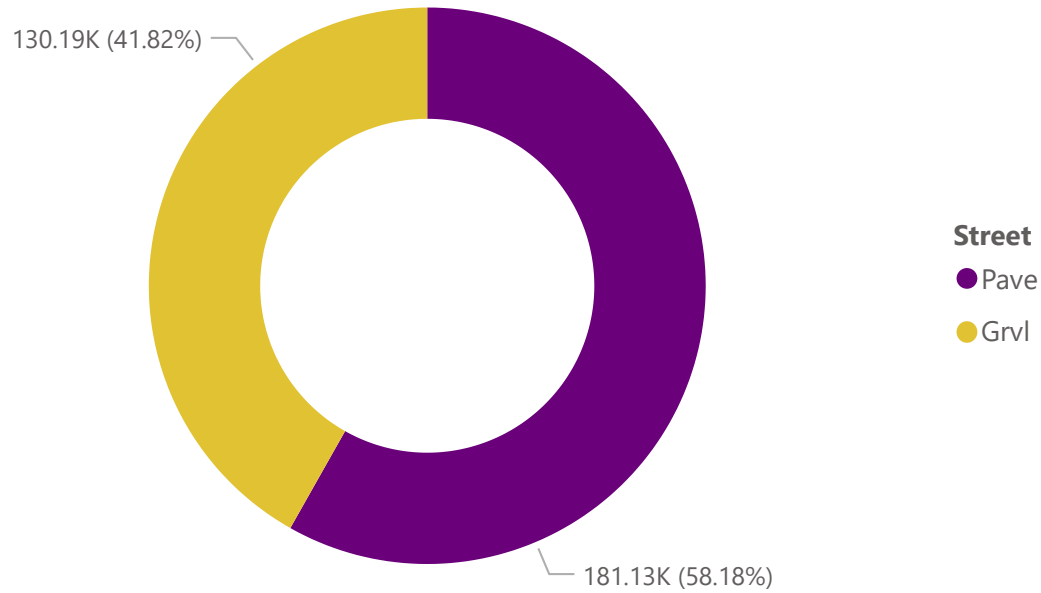
From this chart we can infer that the largest Sale Price was for the house built in the year 2010 followed by the year 1893. There has been significant changes in the Prices depending on the year it is built, but the prices may also be

Average of SalePrice by SaleType



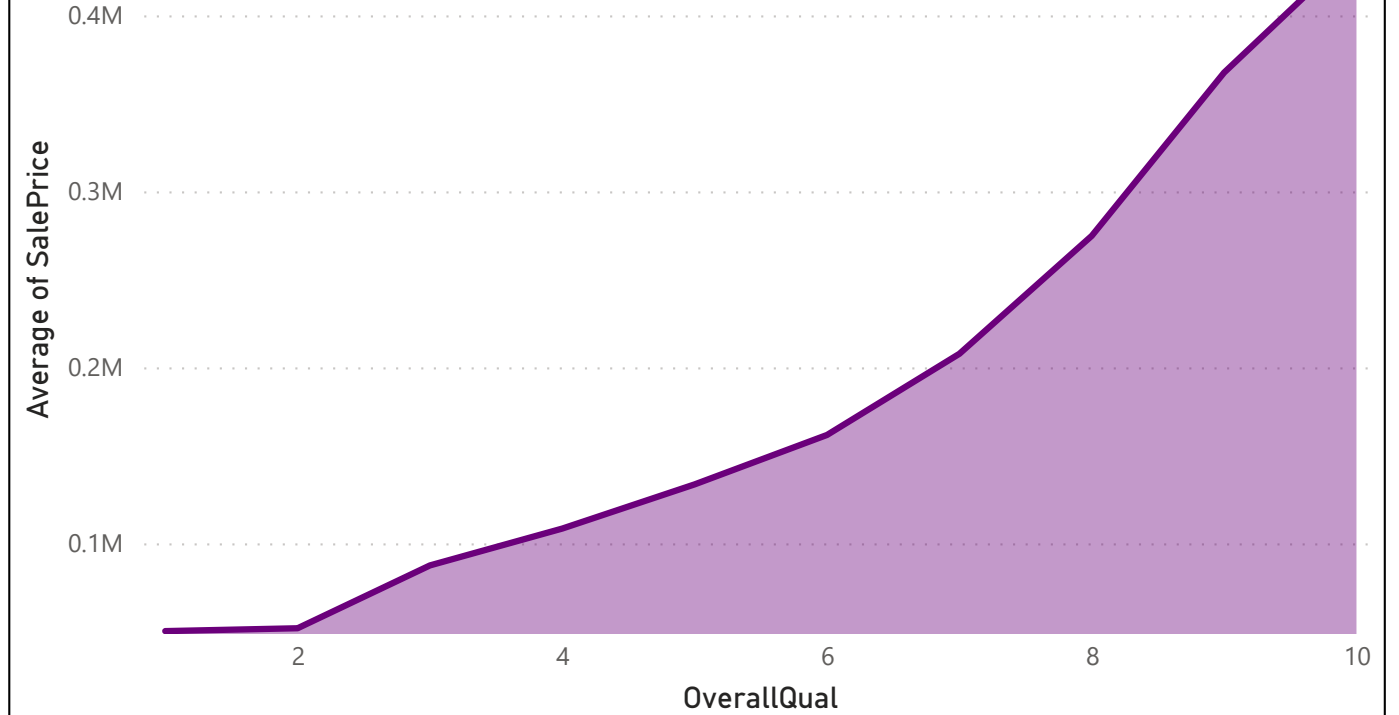
From the above graph we analyse that New and Con Sale Type has the highest average Selling Price. The reason could be that a newly available house and condo's could be the go to preference for many people.

Average of SalePrice by Street



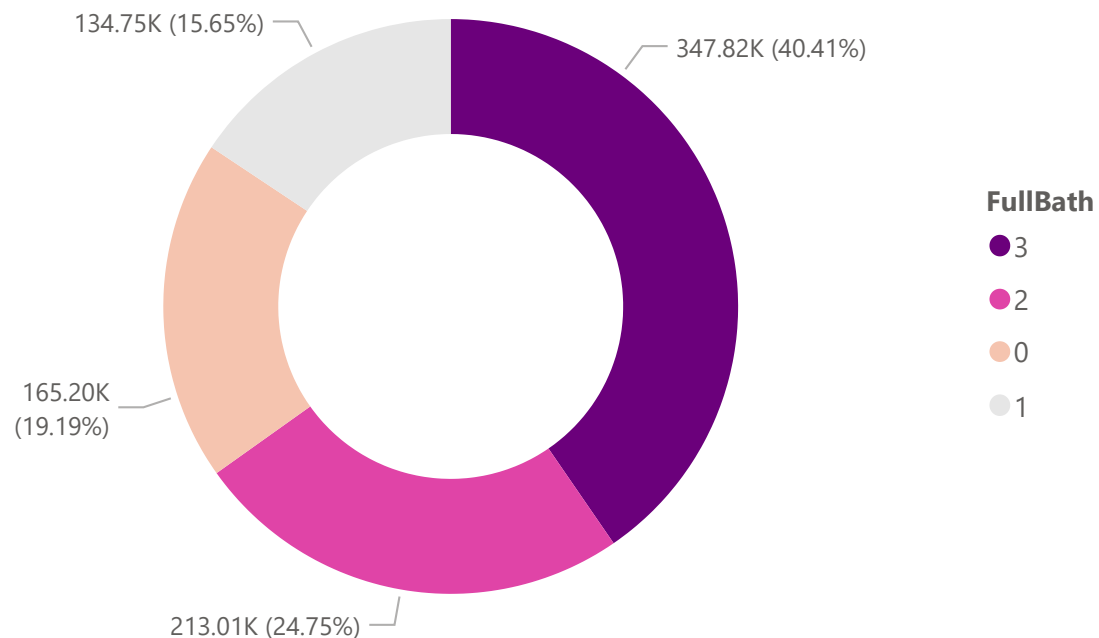
In this graph, we see that, the average Selling Price of houses located in Pave Street is relatively higher compared to the houses in Grvl Street. The inference could a possible evidence of the type of location that is preferred by residents.

Average of SalePrice by OverallQual



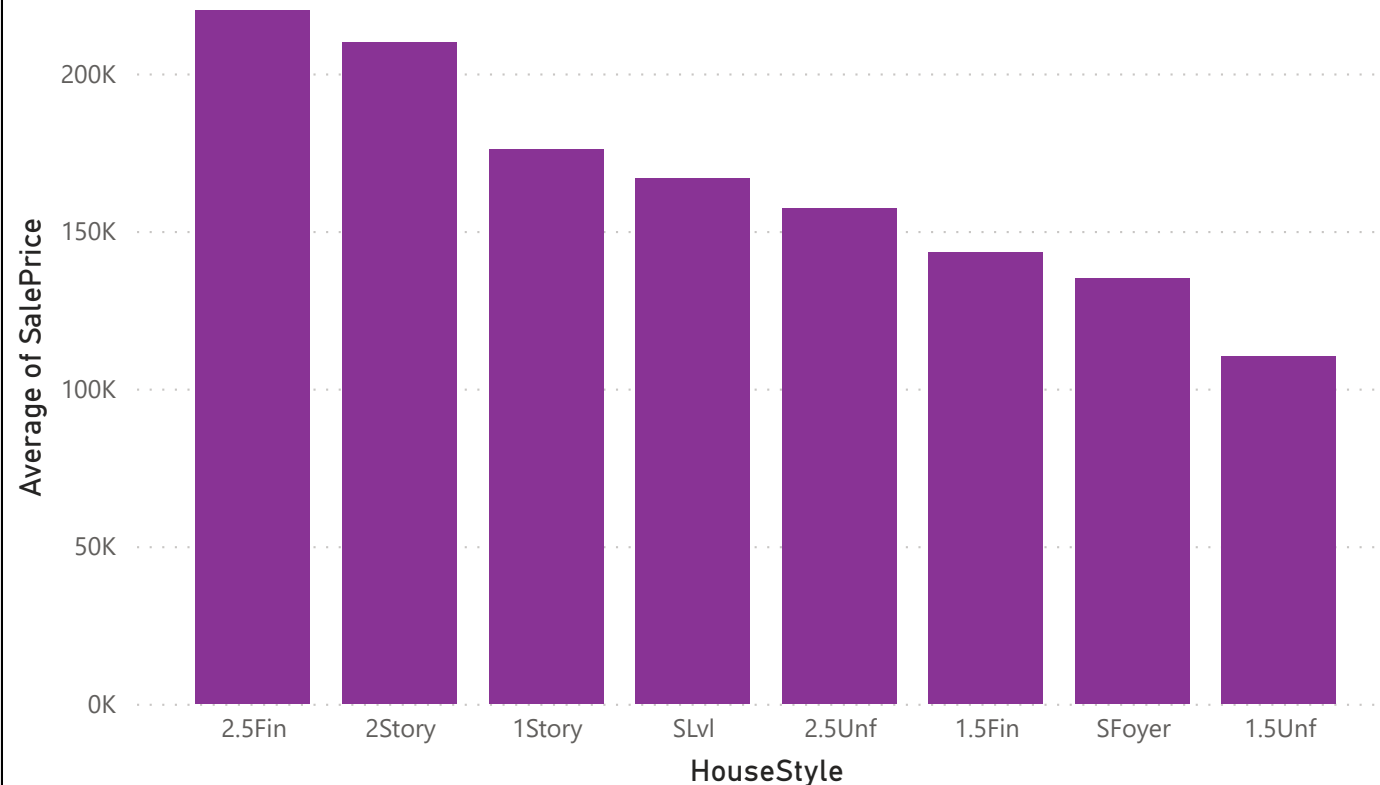
From this graph we see that as the Condition/ Quality of the house is increasing there is also a proportional increase in the Average Selling Price of houses. In real life scenarios as well we see this trend to be true. The better the quality of the house the higher the Sale Price and Vice\_Versa.

Average of SalePrice by FullBath



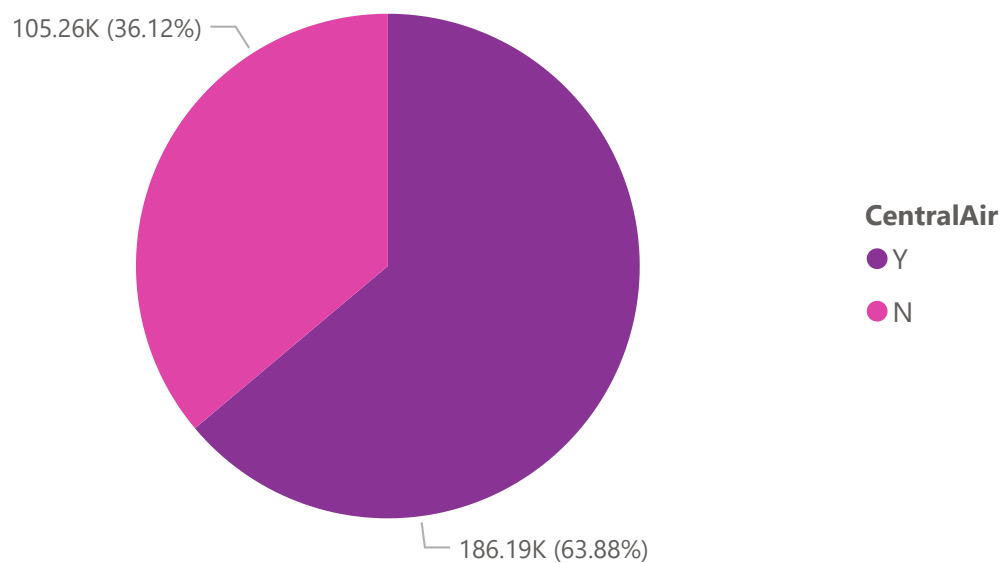
From the above chart we can infer that Houses with 3 Full Bathrooms have a higher average Selling Price, as the number of Baths decrease so does the sale price. We can also say that as the house size is larger it can accomodate more number of bathrooms and hence the selling price is also higher.

Average of SalePrice by HouseStyle



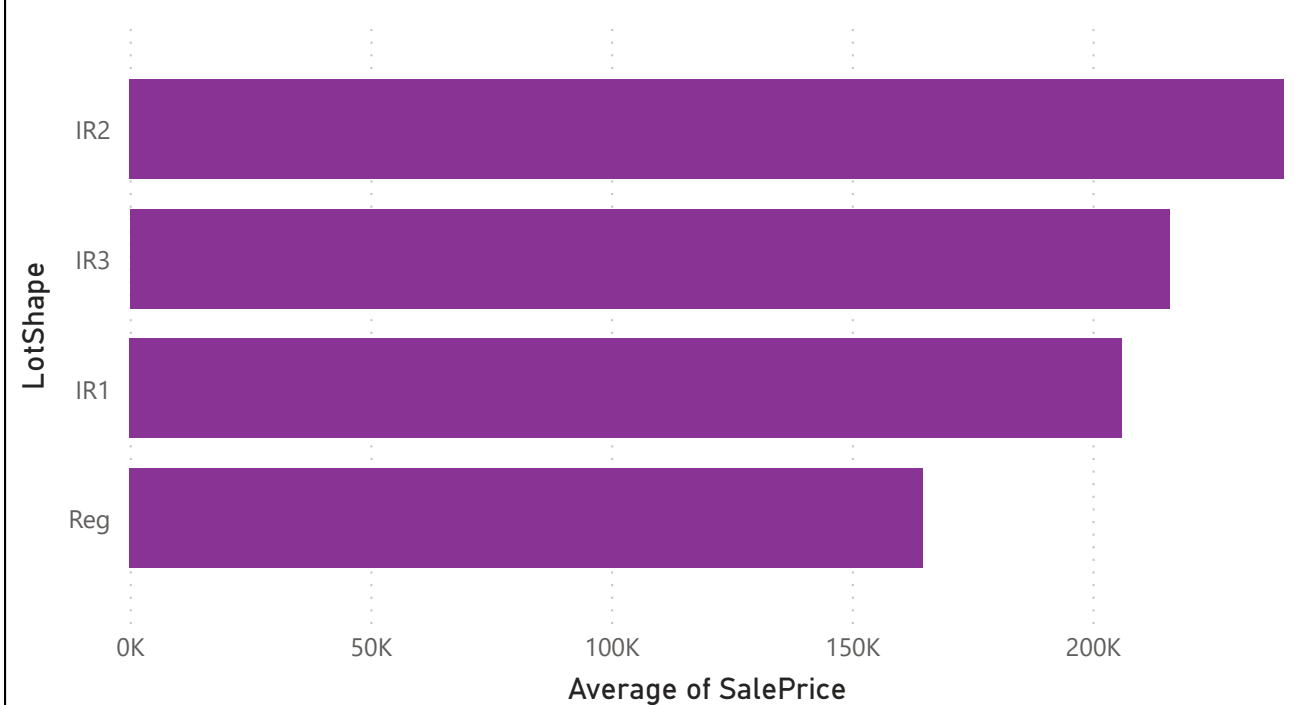
From this chart we analyse that the Average Selling Price for houses increases gradually 1.5 Unit to 2.5 Unit. This proportional rise could also indicate that based on Family size and needs the choice of house and Selling Price is also increasing.

Average of SalePrice by CentralAir

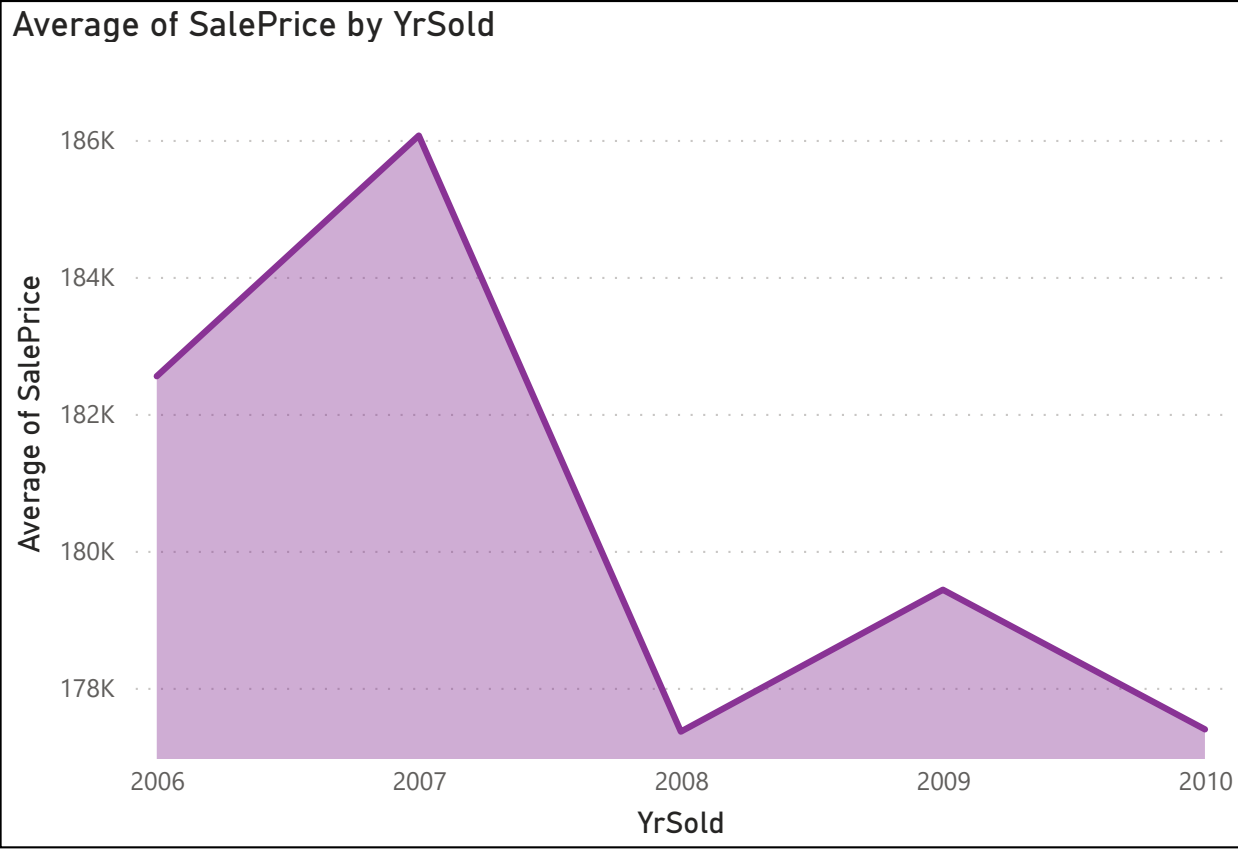


The Average Sale Price of Houses with Central Air Conditioning facility is higher compared to houses with no Central Air Conditioning.

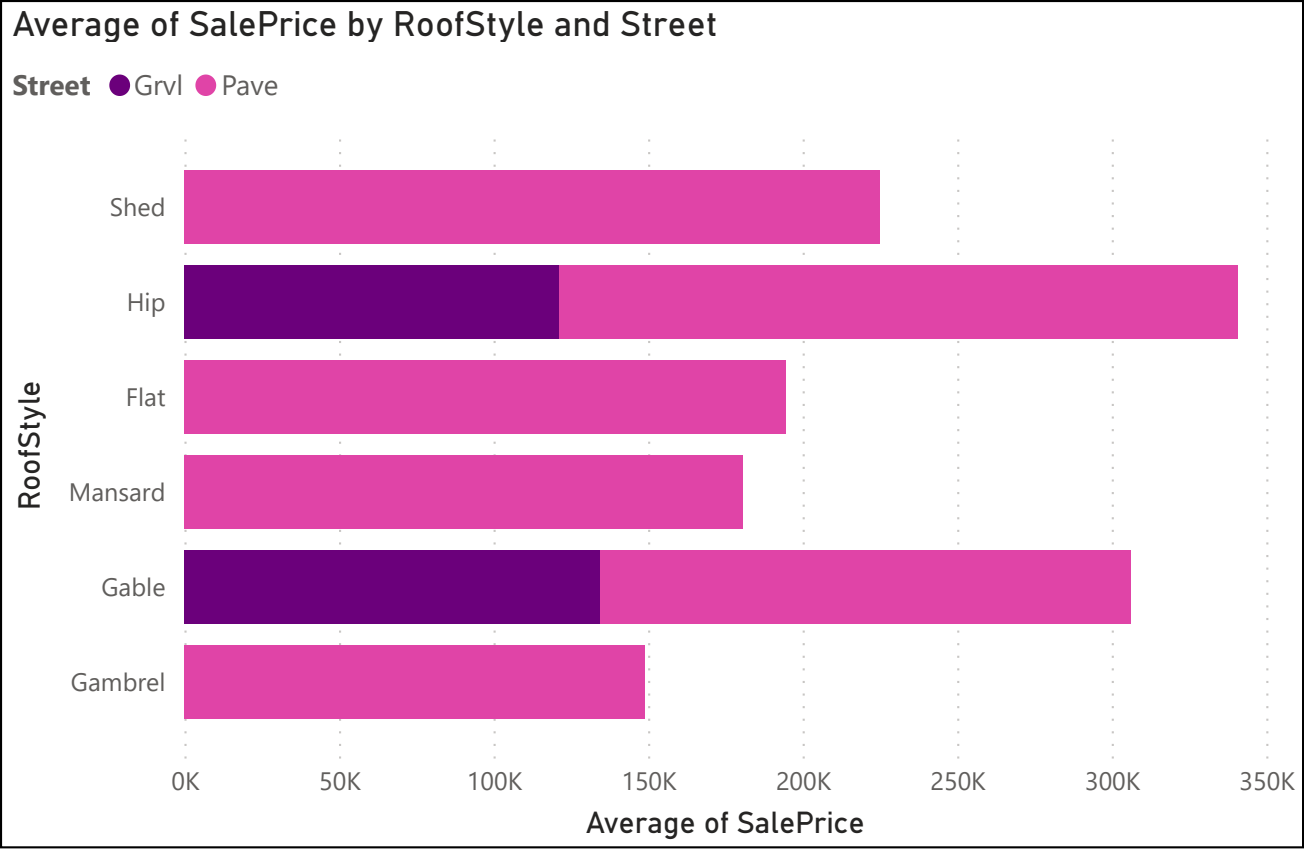
Average of SalePrice by LotShape



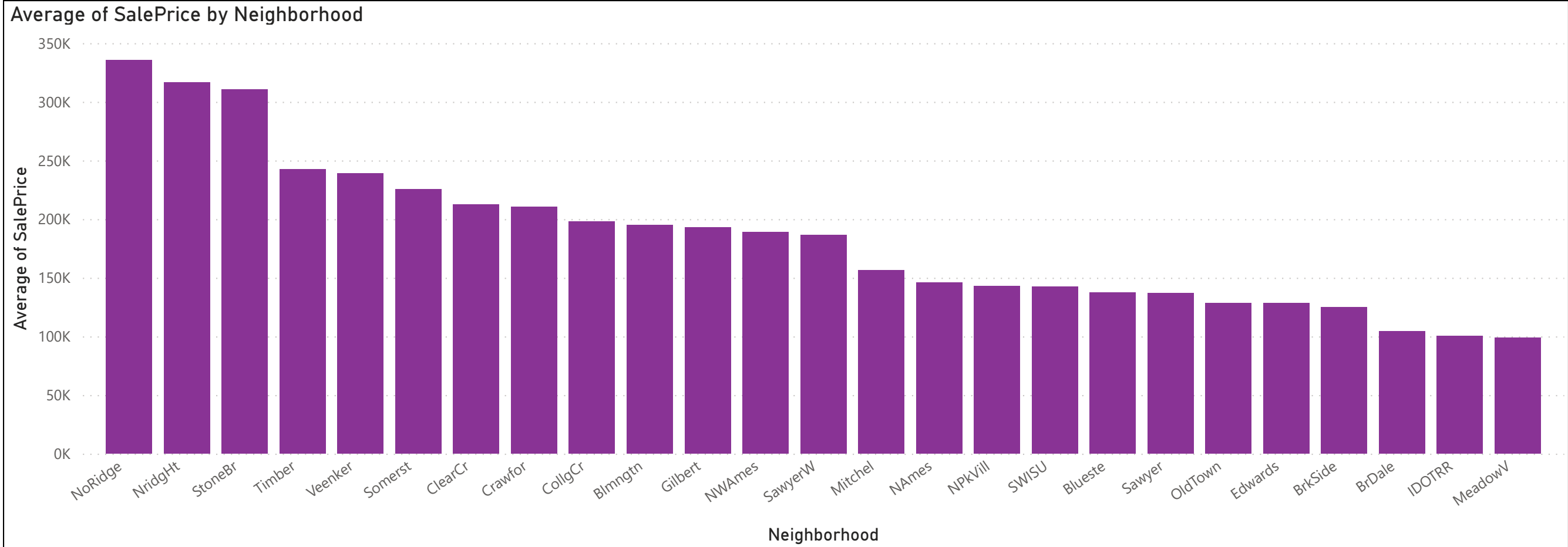
From the above chart it can be said that LotShape 1R2 has the highest Average Selling Price followed by 1R2, 1R1, and regular LotShape.



From the above graph is it seen that the Average Sale - price for houses sold in the year 2007 was the highest with an Average SalePrice of \$186K. From Year 2006 - 2007 there was an increase in the Average Sale Price of houses, but after 2007 we see that it dipped to an all time low in 2008, the reason behind this cause could be inflation and calamities or other causes, and the prices still have not soared to the level of 2010.



From the above graph we try to analyse the Sale Price of houses bases on RoofStyle and Street. We can see that in terms of Streets, St Pave accomodates houses with all types of Roofing Style, whereas St Gravel accomodates only Hip and Gable Roof Styles. And the Average SalePrice for Hip Roof Style is relatively higher , followed by Gable, Shed and others.



From the above graph we can see that the average Selling Prices for houses in the Neighbourhood of NoRidge, NridgHt, and StoneBr are relatively higher compared to other neighbourhoods. This might have to do with the kind of facilities that are available surrounding these areas.

**Conclusion:**  
From the done analysis we can infer that the average Sale Price for houses are significantly higher based on Overall Quality of the house, Number of full Baths, Kitchen Condition, Neighbourhood, and housing style.  
We also see that anything on the market with a higher index in these areas have an Higher Average Selling Price. There are also many houses that were built in the past years and their Sale Price is based on the Condition of the house and the house style. Houses that contain a central air conditioning have higher Sale Price, compared to those not having it. Also we see the comparison of two streets and the housing price based on roof styles. The overall analysis holds good keeping in mind the present situation of when a buyer looks for home their prices fluctuate depending on the commodities available in the house. We also see the soar and decline and slight increase in the average Sale Price of houses over the years and correspond the decline w.r.t inflation or a natural Calamity that might have occured in that state.