

Project 2

Linear Regression

Project 2 uses linear regression to determine how certain features affect house price.

Linear regression is a method for fitting a linear function over data to both explain the current data and predict future data values.

Number of bedrooms

Houses that have at least 6 bedrooms have a negative relationship with price. The reason may be because the average buyer is not interested in spending more money for that many bedrooms.

Number of bathrooms

The more bathrooms a house has, the more the price of a house increases.

Square footage of home

The price of a house increases by \$125 for every one unit increase of home square footage.

Square footage of lot

The price of a house increases by \$.32 for every one unit increase of lot square footage.

Total floors of house

2.5 floors has a positive relationship with price.

Year built

The price of a house increases by \$221 for every one unit increase in year built.

Year renovated

The price of a house increases by \$32 for every one unit increase in year renovated.

Zip Code

Most zip codes have a positive relationship with price.

Conclusion

When the model was tested on real world data, it performed accurately.

Thank you