

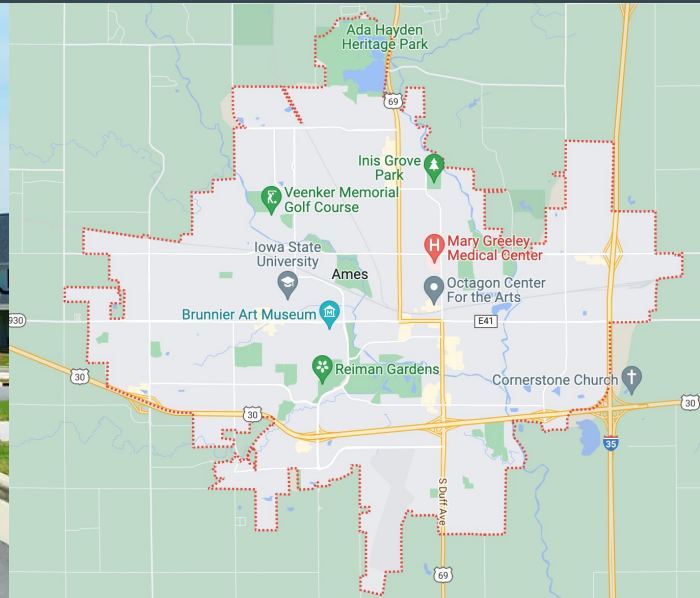
Ames Housing Analysis

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Overview

Prediction of housing sale price in Ames, Iowa utilizing regression analysis

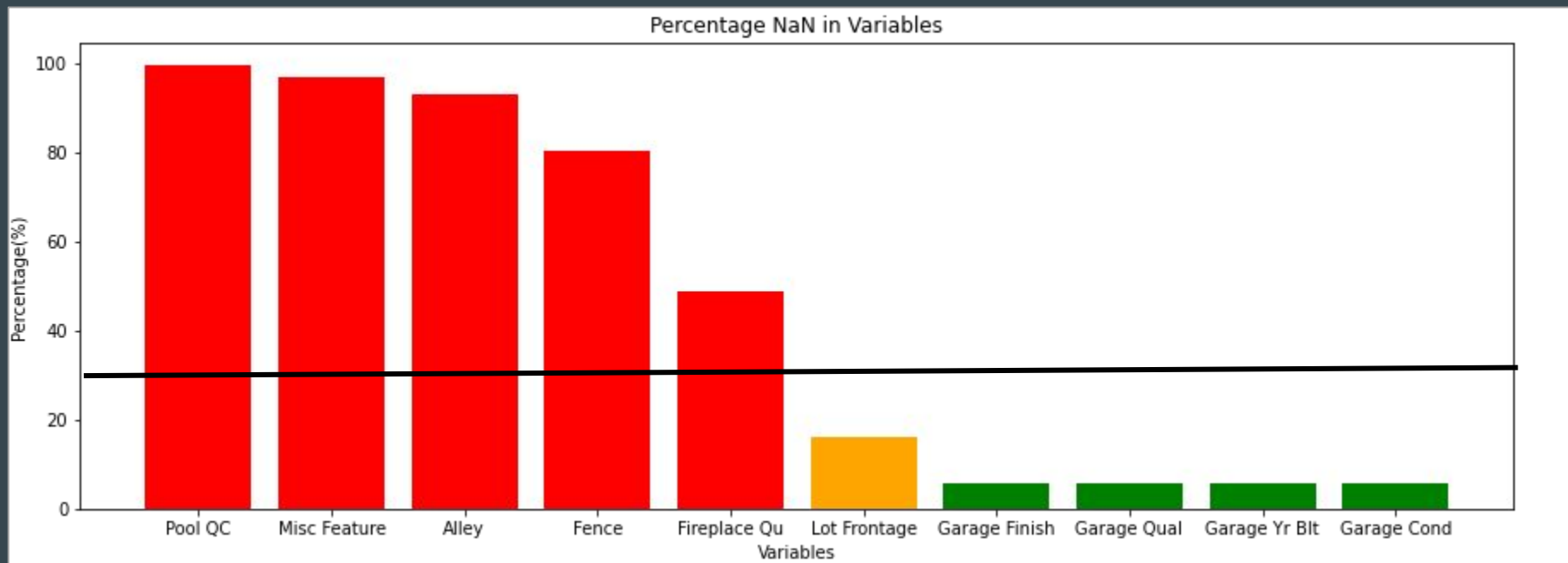


Project objective:

Creating a regression model to predict future housing prices utilizing different features



Understanding the model



Variables

Quantitative

Lot_Frontage	Screen_Porch
Lot_Area	Pool_Area
Mas_Vnr_Area	Misc_Val
BsmtFin_SF_1	Id
BsmtFin_SF_2	Bsmt_Full_Bath
Bsmt_Unf_SF	Bsmt_Half_Bath
Total_Bsmt_SF	Full_Bath
1st_Flr_SF	Yr_Sold
2nd_Flr_SF	Year_Remod/Add
Low_Qual_Fin_SF	Half_Bath
Gr_Liv_Area	Bedroom_AbvGr
Garage_Area	Kitchen_AbvGr
Wood_Deck_SF	Fireplaces
Open_Porch_SF	Mo_Sold
Enclosed_Porch	
3Ssn_Porch	

Categorical

Street

Land_Contour

Lot_Config

Bldg_Type

House_Style

Roof_Style

Mas_Vnr_Type

Central_Air

Overall_Qual

BsmtFin_Type_2

Paved_Drive'

Processes

Quantitative NaN → Mean

Categorical NaN → Most Frequent →

- 0001
- 1000
- 0100
- 0010

Conclusion

- Cross Validation Score .807

