



## Problem Overview

An American Real Estate Company wants to understand every aspect of the residential homes pricing market in Ames, Iowa, with a view of establishing an outlet in Iowa

They have contacted you, a Data Scientist to understand the factors on which the pricing of houses depends. Specifically, they want to understand the factors affecting the pricing of homes, with a view of creating a web application that will be able to predict the price of house given its features.

**The company wants to know:**

- **Which variables are significant in predicting the price of a house.**
- **How well do those variables describe the price of a house.**



## Business Goal (Objective)

You are required to explore the Dataset, and come up with insights that will aid the management to understand how exactly the prices vary with the independent variables. They can accordingly fit their business strategy etc. to meet certain price levels. This Exploration will be a good way for management to understand the pricing dynamics of the housing and estate market.

### Best Practices for EDA:

The final notebook should be well-documented, with inline comments explaining the functionality of code and markdown cells containing comments on the observations and insights.



Here you are required to apply data visualization techniques to carry out an exploration of the data set. You are expected to carry out Univariate, Bivariate and Multivariate Analysis to explore, figure out relationships and identify insights from the Data set.

- Kindly go through the Data dictionary to see the variables involved, further details and a case study template has been provided to guide your analysis

The data set is a large data set, please, kindly check the data description file in the folder for a description of the dataset



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analysis and upload  
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