



## Predicting Future Housing Prices

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## Introduction

We have secured a contract with a start-up company (“E-Z-Houses”, and subsequently referred to in this document as “the client”), which is interested in business insights leveraging machine learning. This project will focus on the clients housing data to find insights and predict future housing prices.

## Problem:

With 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa, predict the final price of each home. In addition, find out what correlates strongly to housing price.

**Data :** We have acquired this data from a kaggle competition.

<https://www.kaggle.com/c/house-prices-advanced-regression-techniques/data>

## Envisioned Approach

- Making sure data is cleansed before being ready to use
- Performing an Exploratory Data Analysis to find relationships between features
- Fit and use models to find best accuracy to predict future housing prices
- Find which features correlate highly and affect the target feature

## Deliverables

- Code for data preparation and modeling
- A Jupyter Notebook report describing the project, including EDA and data story
- Slide deck presentation describing project
- Model must be > 80%