# Final Project group 5

##Members

Asmaa Ahmed (triangle)

Chayda Adora (circle)

Leonardo Aleixo(x)

Saber Ahsan (triangle)

Xiao Wang (square)

## Overview of Project

This project’s objective is to analyze the housing market sector and create a machine learning model which is able to predict prices and visualizations to provides insights.

## Why Supervised machine Learning?

There was a mutual interest within the group to work with a model that could predict results based on previous data. The housing market sector offers a variety of data where advanced regression techniques can be applied.

##Data Source

Name – House prices

Origin – Kaggle – Ames Housing dataset

Publication - House Prices - Advanced Regression Techniques | Kaggle

##Git hub repository name

|  |  |
| --- | --- |
| group5project | |
| Group5project\_Asmaa | Group5project\_Chayda |
| Group5project\_Leo | Group5project\_Saber |
| Group5project\_Xiao | |

The deliverables for this project are:

* Predict housing market price – **machine learning**
* Differences of frequencies in sale by season - **dashboard**
* **Correlation between:**
  + Property sales frequency and price
  + Property size and price - **dashboard**
  + Year the property was built and price - **dashboard**
  + Location and price - **dashboard**

## Software

Python, Pandas Jupyter, SQL, Tablue and supervised machine learning.