
title: "final_Project_draft_SenapatiKabindra"
output: html_document

#Introduction

My topic of research will be "House Price Prediction in USA". Since housing market is in the uptrend since last few years and with so many macro economic changes, it's difficult to understand the trend in future and i would like to address this issue using Data science and predict the housing price movement.

#Research questions

-
1. how is the interest rate change impacts the house price
 2. how the first time buyers impacting the house price change.
 3. The impact of job movement from major cities on housing price.
 4. the impact working pattern of professional on housing market.
 5. How housing market has changed due to covid
-

#Approach

1.Linear Regression Model

#How your approach addresses (fully or partially) the problem.

Will try to find the correlation between the variables like interest rate,no of first time buyers,job migration,covid case with housing market and based on that create the linear regression model.

#Data (Minimum of 3 Datasets - but no requirement on number of fields or rows)

will use the below datasets.

housing Data

Interst rate change

macro economic dataset

#Required Packages

ggplot2

xlsx

#Plots and Table Needs

ggplot

housing table

#Questions for future steps

If there any other model that can be used for predicting the housing prices.

Are there any other packages need to be used apart from the above

Will the above dataset be enough for predicting the house price
