

(1) What is the business problem?

- US real estate price forecasting using Machine Learning.

(2) Who are the intended stakeholders, and why is this problem relevant to them?

- Real estate agents, Real estate consultants, Real estate investors, Real estate developers, landowners.

(3) Where are the datasets available from?

- Zillow website

(4) What data science approaches do you anticipate you will use to model the business problem as a data science problem? (*)

- Supervised--Regression?

- I anticipate using automated ARIMA and other advanced time series modeling techniques to forecast the housing prices of the US.

(5) How do you anticipate that you will evaluate the performance of each of the data science approaches that you envision?

- We split the data following train/test split. For quantitative evaluation of model performance, I will use the R^2 and MAPE score.

(6) How do you anticipate that the intended clients will use the results of your CP2 to address the original business problem?

- The clients can use the model to forecast housing prices which will in-turn help them make better investment decisions.