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| XYZ REAL STATE |
| **GET STARTED:-** |

1. Dear Friends, below are the short and clear description for what we will do.
2. We have a dataset of house price (I will share you) with some feature like number
3. Of bathrooms, number of bedrooms etc.…
4. Our task is to create a model that will predict the price of any new house by looking at
5. The features.
6. As we know that while learning about machine Learning .it is best to work with actual real
7. World data not just artificial dataset.
8. The first question a machine learning engineer will ask to client what is the business
9. Objective and goal? How will XYZ REAL ESTATE COMPANY will get benefit from this model?
10. Client will be told that our company will use this model to predict house prices in a given area
11. And will invest in the area if it undervalued.
12. Next question is asked by ML engineer that how does the current solution looks like?
13. The answer is- manual expert who analyze the features.

CONTINUES…………

FINDING THE TYPE OF MODEL TO BE BUILD

The prediction may be so called “experts” are not very good (error rate is 25%) that’s why client is counting to a ML engineer.

Supervised, unsupervised or reinforcement Learning?

It will be a Classification task or Regression?

Batch Learning on online Learning

SELECTING A PERFORMANCE MEASURE

1. A typical performance measure for regression problem is the Root Mean Square error (RMSE)
2. RMSE: - is generally the preferred performance measure for regression task
3. , so, we choose it for particular problem we are solving for XYZ REAL ESTATE PVT
4. LTD ( client)
5. Other performance measure includes Mean Absolute Error, we will use RMSE for this problem.

CHECKING THE ASSUMPTIONS: -

It is very important for a ML engineer to check for any assumption he might have made and correct them before launching the ML system.

For example, he should be sure that the team needs the price and not the categories like expensive, cheap, etc...

CONTINUE: -

If latter is the case, formulating the problem as a regression task will be counted as a big mistake.

ML engineer will talk to XYZ REAL ESTATE team members and ensured that

He is aware of all the assumptions.

ALL SET FOR CODING NOW: -