**Price prediction using ML**

We have data set of house prices and features – we will build a model which will predict prices for any new house by looking at the features

Features (f1,f2,f3) 🡪 model -🡪 price? (we predict)

**Harry will ask Joseph some questions:**

1. What is the business objective and end goal?

🡪 Joseph replied saying this model will use to predict house prices in a given area and invest it if its undervalued.

1. How does the current solution look like ( prev prediction)

🡪 Error rate was 25%

**Type of model:**

* Supervised learning
* Regression
* Batch learning ( data set to work on exists)

There is another type called online learning ( continuous pipeline – data )

**Selecting a performance measure:**

For regression probs, we usually use RMSE (root mean square error)

Others: Mean absolute error, Manhattan norm etc , but for now we are choosing RMSE.

**Checking Assumptions:**

Make sure what joseph wants from this model

**All set for coding now:**

We are using jupyter notebook – an opensource web application -- for analysis

But for deployment stage, we need an IDE so we use VS code.

Libraries we need – matplotlib, numpy, pandas, scikit learn.

We started analysis

Did train test splitting – to set aside test data