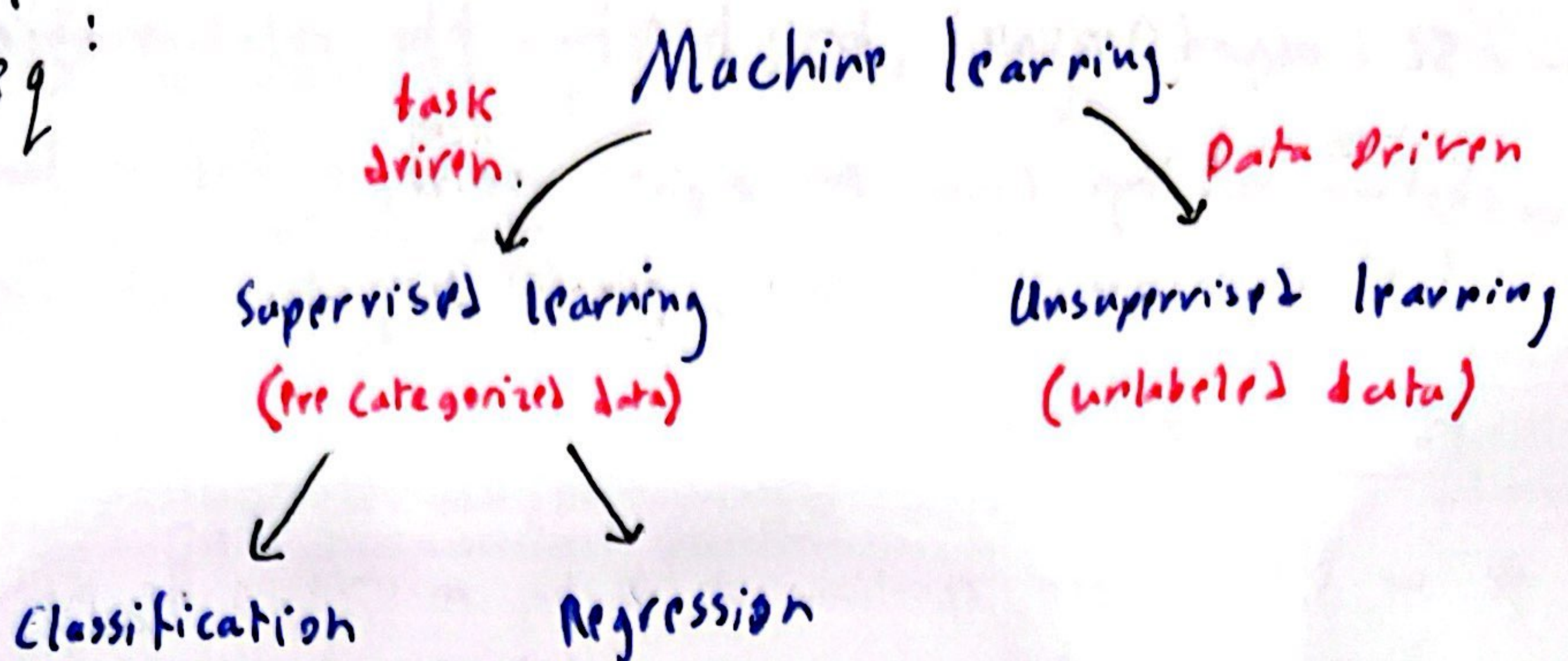


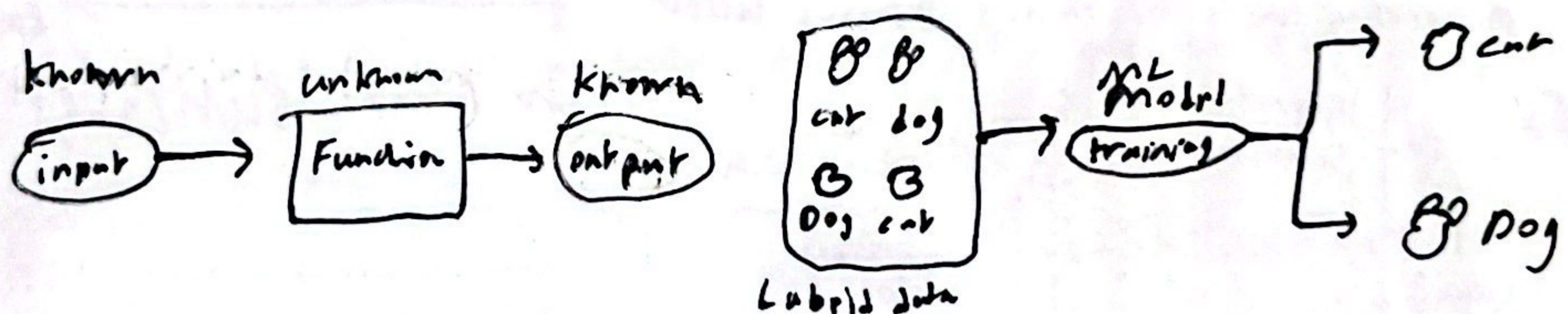
Machine Learning Algorithms

- Pre req:



★ ML is a branch of AI where we teach computer with data and algorithms so they can perform tasks without explicit instructions. ML models can generalize to unseen data and thus be able to do this.

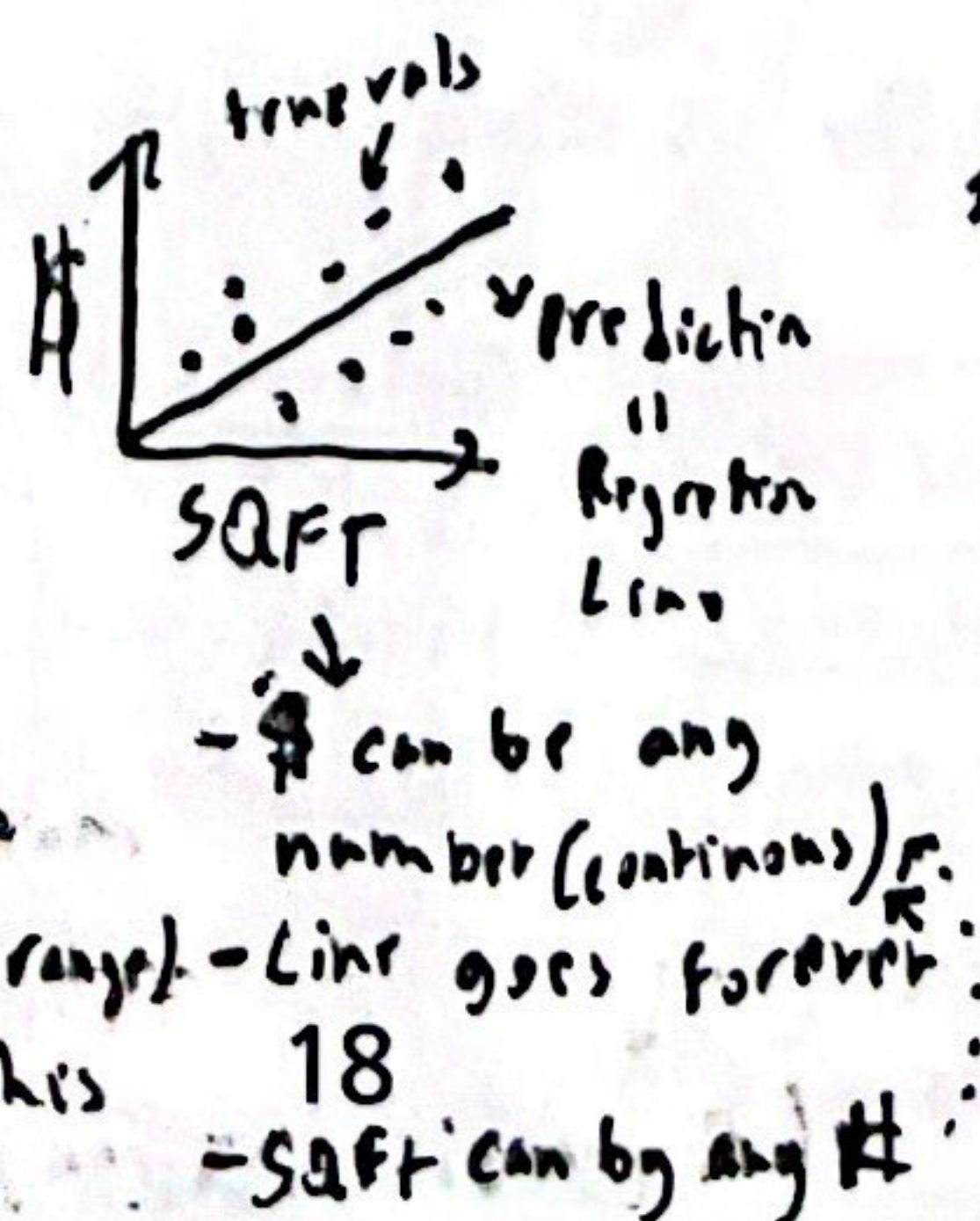
★ Supervised learning is a branch of ML where we use labeled data to teach the model what it is looking at, it learns from the data teaching itself so then it can predict the labels of new data.



★ Unsupervised learning is a branch of ML where we have unlabeled data and the computer learns to find patterns in this data and group the data by those patterns and similarities.



★ Regression; in SL this predicts some continuous numeric target variable given a input variable. In the ex for any SQFT the price can be any number (No range) and the line goes for ever this is continuous.



★ Classification: is SL this predicts classes that a input falls in for ex a # recognition NN. given any # it predicts a class (0-9) so only 10 classes are possible (distinct #).

