

the algo can use a straight line to give you the So using straight line, we get rock as the price. Ming a curve, me get 200k as the predicted The above is an example of supervised learning. Regression - Budiet a number (it has infinitesimally many possibilities) III. Classification: Breast Cancer detection. a tumour 10 -> malignant ((ancerous) O -> Benign (normal tumour diagnosis. size 0 -> Ben 1 -> Cancercous 0 1 -> Concerous. tumor size x (diameter in cm)

This is very different from regression. We are just classifying two things here instead of infinite other possible numbers.
We are just classifying two hards
infinite other possible numbers.
1. Live possible categories, me
Since there are conty
Since there are only two possible categories, we have a classification.
Now, if me plat our graph on a straight line, me have:
have
A A X A X A A X X X X X X X X X X X X X
OOXOXO XXX
for a given tumor size, is it benign or malignant?
In classification, we can have multiple autjut
In classification, nece can have multiple autgut. categories. (classes).
as a being the same to
e.g. 0 - bengh 2 1 - marghaur
e.g. 0 - benign 2 - malignant type 2.
Classification -> predict categories.
Capification - please congeries.
diverse in the day of the day of
given a image, is it cat or dog?
Classification -> Predict small finite limited set of
Classification -> bredict small finite limited set of possible autputs
passion ampins
Regression -> Can have infinite
Regression s (on have infinite many possibilities
and and one.

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