## Learning Algorithms Machine task Muchine learning. Data priven

- pre:

Unsupervised travning (1); Supervised learning (19-29)
(pre categorized data) Clustering Association Pinensimity
Reduction Regression Reduction Classification ML is a branch of AI where we beach compater with data and algorithms so they can preform tooks without explicit instructions ML models can generalize to unseen data and this brable to lethis Superised learning is a Branch of Ml where we use labeled lata to track the Model what it is its Looking at , it I rams from the duta fracting it self so then it can predict the labels of new data Unsupervised Learning

To No labels in training

Results in training

Results in training evaluate mobilifelistring

(If labels given)

To a Branch of ML When we have unlabeled dute and the computer loosens to find patterns in this duta and I group the data by those patterns and simillavitits Clasters data 2 Clustring is a common USL here we don't have any lubels and fust they to find unknow Clusters in patterns past by Looking at the data & classification: is st this Regrestion; in 51 this predects some continous # .... verelichin predich classes that a

Saft Regarden

- \$ can be any

Prumpric forgat variable

given a input variable

in the ex for any saft the

the the ex for any SQFT the number (continous) r. price com be any number (No range) - Line goes forever.

classes our final and a NN = 2 and the line goed for ever this -safe can by and # Scanned with CamScanner

input Falls in for ex a

# recognition NN. giren any #

it predicts a class (--1) s =