Types of ML D Supenvised 2) Unsupervised 3) Reinforcement (4) Semi - Supervised (4) semi - superviseu

Sunday, April 30, 2023 9:53 PM

Supenvised

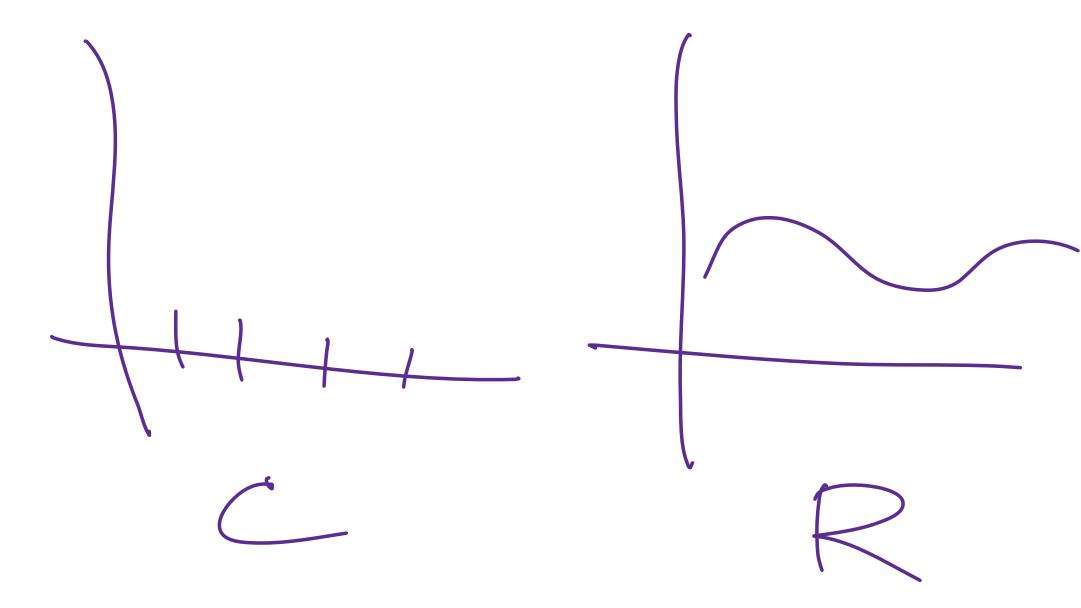
- Label

4 features Torget
1 1 1 1 9niss

Supervised To Classification

Regnession Sunday, April 30, 2023 9:55 PM

Clarritication		. O Pricko			
Featur	Tanget	Fe	of.	of can	Price
( /	Cat				12.0
	Dog				20,5
	Dog				30.68
	Cat (				



Sunday, April 30, 2023 9:58 PM

Algorithm - Linear Regnession - Lo gistic - Reendom Forest - KNN - Decision Tree

C2C6 Page 8

Classification

Span Email

T1,0

Regnina 

Con Price House Price

Rainfall Predict

Sunday, April 30, 2023 10:01 PM

Classification Precision Recall 1-1- Scone 100 (80)

Kegnession Mean-5quareden MAPE

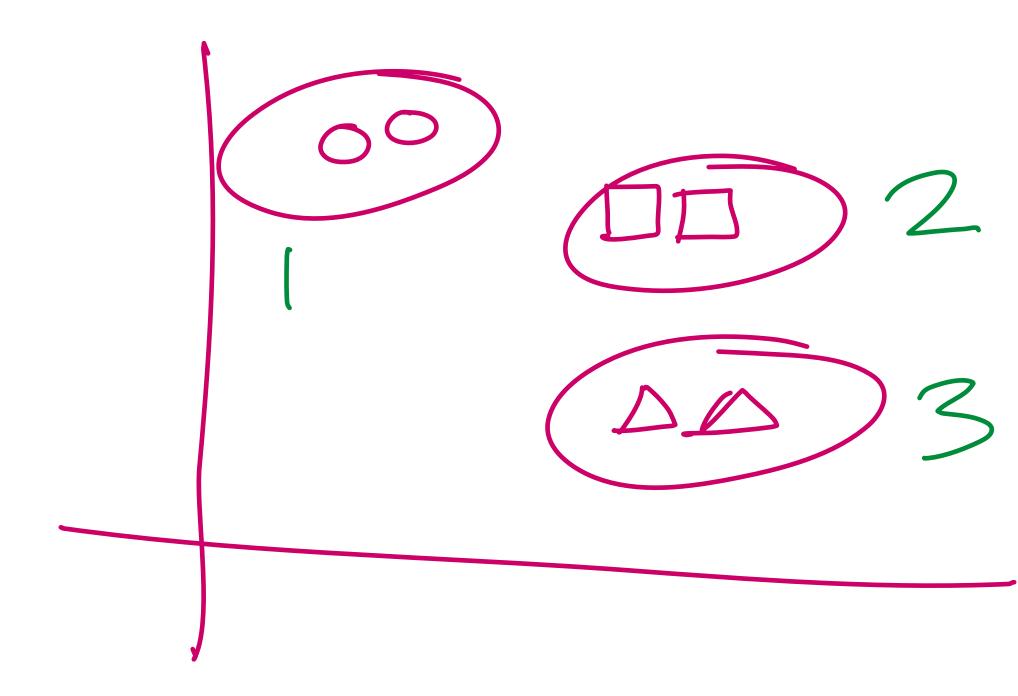
(20) - - - - (8) = 90%,

Sunday, April 30, 2023 10:01 Pt

Unsupervised Cin Q — Supervisee

1 2-0 1 1 C

270) Formula Anea



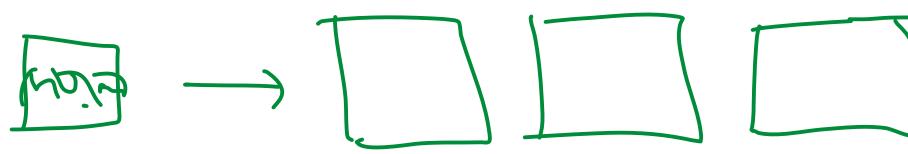
Sunday, April 30, 2023 10:04 PM

(I) Clustering

/ → I-lienanchical / → K - means → PCA → Singular value

Association 

175 Sociation



Sunday, April 30, 2023 10:05 PM

Adv (D) Flexible (2) DR 3) Ease of prep of Later f Dlow cont Dlabeling

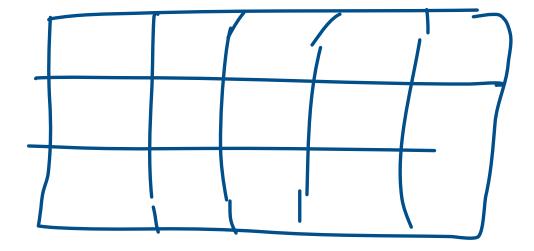
Disadu D'Less accurate 2) Scalability 1 Sunday, April 30, 2023 10:08 Pf

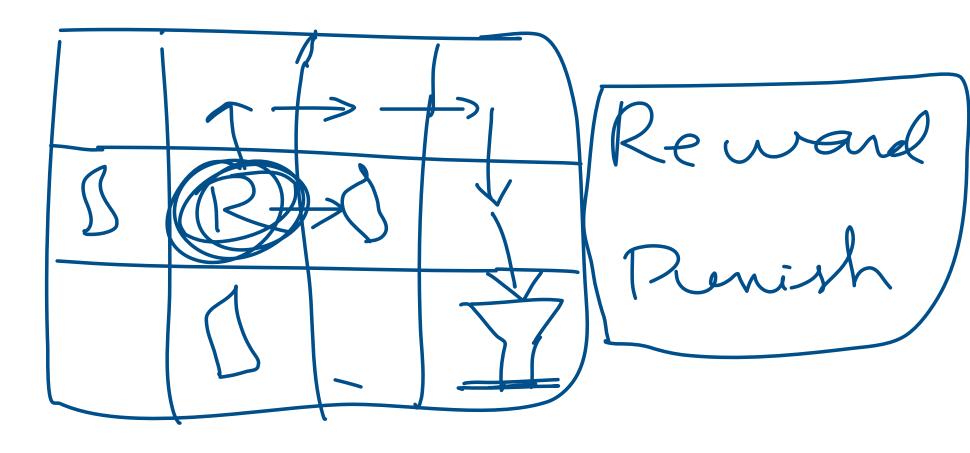
centroide/

Sunday, April 30, 2023 10:10 PN

Reinfoncement

5 Decision Maling Science





- Input - Initial & tate

- Output - variety of solution unday, April 30, 2023 10:17 PM

-> Keeps -> Best

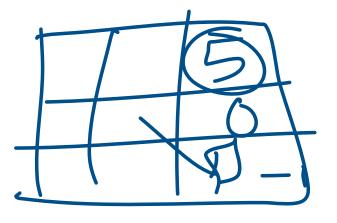
Solution

Types

1 Positive

DN egative

Elements O Policy 2 Remand 3 Value (4) Model of environment



Function

Sunday, April 30, 2023 10:19 PN

O'Resportics 2) Chers Board 3 Credit Assignment Preblem

Sunday, April 30, 2023 10:21 P

Disadv - Simple problem X - Interpret, Pebug - Lots of data - Highly dependent reward Sunday, April 30, 2023 10:24 PM

lobelled de fa

5

Labelling

Interacts with environment

R

Regnerrin, Clanification

Association, Clustering Exploration, Exploitation



Sunday, April 30, 2023 10:25 Ph

Supervision X SARSA, Q-learning

Forecast Prediction Recommendation

driving core

Self\_

....

Semi-Supenised Supenvissed > Some

Data

Data

Data