Sunday, April 2, 2023 3:06 PM

Dimensionality
Reduction

12 dimension rame ticket Flamily size (8)

() 1 2 1 1 () 2 E ()

Sunday, April 2, 2023 3:10 PM

100 - 200 feature - Heature extraction selection

Sunday, April 2, 2023 3:10 PM

$$f = 5+p+1$$

$$a+b+e+d+e = x$$

$$\Rightarrow ab+0+d+e = x$$

$$\Rightarrow ab+d+e \Rightarrow x$$

$$beature selection$$

Feature Selection

- Filten Methods

- Whappen

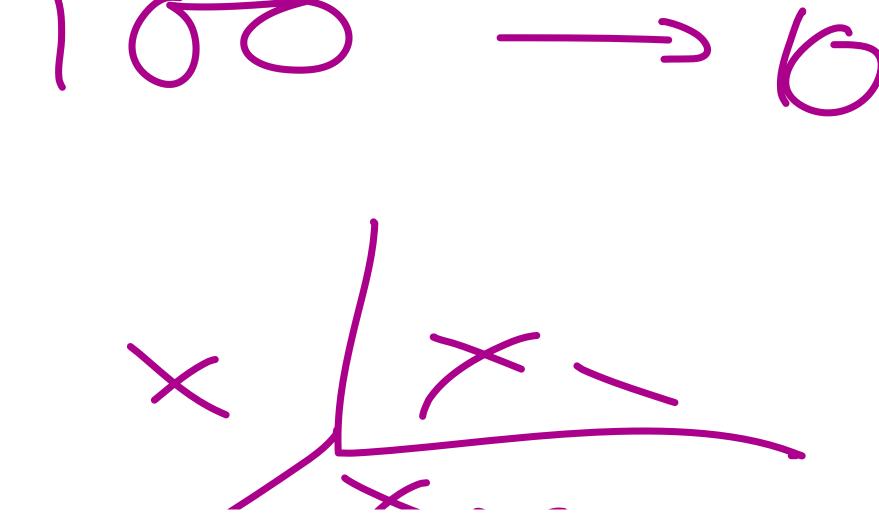
- Embedded

Backward

Sunday, April 2, 2023 3:14 PM

Engineering XXX × ×

30





Sunday, April 2, 2023 3:16 PM

FE/ - PCA amoly sis - LDA sline on discriment -t-SNE st-distributed stochastic neighbour embedding

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- ICA + Independent component - LLE - Locally linear embedding

- Autoencoden

Neural Network

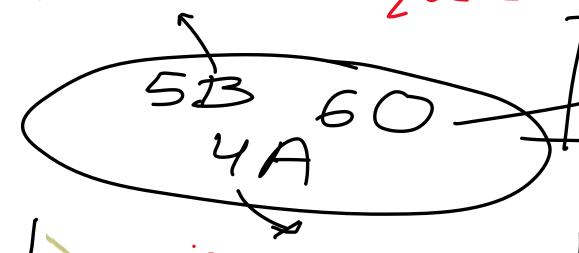
Sunday, April 2, 2023 3:21 F

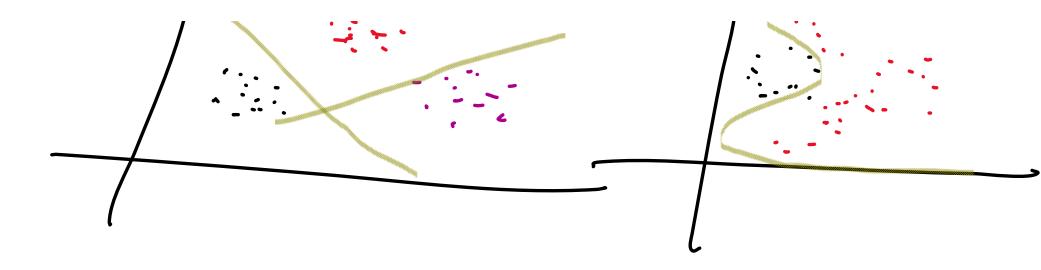
t-SNE

Feature Harret

-unsupervised non-linean

DR technique





Sunday, April 2, 2023 3:25 PM

1-SIVE on-linean Linean - 17 e la tionsip bet n date points 1arian ce

Dannian kennet X (1) 2) Probability (10mita) of relation beto dete points 3 divergence beth probability distribution -> minimize Standardization

Sunday, April 2, 2023 4:12 PM

Applications of t-SNE - Clustering - Classify - Anomaly -)oultiens - NLP, Computer Security - Cancer Research

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