LDA :

Linear Discriminant Analysis is a un supervised learning Algorithm

Linear Discriminant Analysis is one of the commanly used dimensionality

reduction technique

Types (81) Extension of LDA

-> Quadratic Disciminant Analysis

of Flexible Disciminant Analysis

Advantages

Manifold bearing.

It is a subfield of machine bearing based on the assumption that one's observed data lie on a bow-dimensional manifold embedded in a higher-dimensional space.

Metric learning

+ neture bearing is a approach based directly on a distance metric that aims to establish similarity of dissimilarity between images.

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Batch Mamalization

+ Batch Mismaligation is a process to wake the network fasting and more stable through adding critical layous in deep learning Methodik

+ The Montalizing process in batch manufigation takes place in batch not in a single input.

Féalure reduction techniques

1. feature selection

-tiller mettod

- wapper method

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Feature Schaction of 10 m all date burners have bell-

- PCA

- I DA

- QDA

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-> spatial transformed netwolks

+ 5TN allow a newlad network to known how to perform spatial transformations on the input image in order to enhance the geometric invariance of the model.

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Deep Reinforcement bearing is a subfield of machine bearing that combines reinforcement bearing and deep bearing.

It is useful in problems with high-dimensional state space

Hyporparemeter optimization

- by perparameter values to achieve maximum performance on the coult in a neasonable amount of time.
- + Hyperparameter is an essential part of controlling. the behavior of a machine bearing model.

Compitational antificial newsuscience

computational newroscience works to identify dynamic newral networks to understand the principles that govern newral applies and brain activity, potentially related to infamation processing and brain disease.