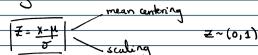
Feature Scaling

Tuesday 14 May 2024 5:41 AM

1) standardization



-> Covariance will be maintowned

Pros - simple and efficient to implement

cons - Doesn't work with algos that around

Standard Scaler [sklearn]

- -> Distribution of is maintired [individual feature]
- -> Duthers will still be Duthers

2) MinMax Scaling

Xi-Xmin [0,1]

MinHax Scaler [Splearn]

- Distribution à Pelative Distances are maintained
- sensitive to outliers
- -> Zero values trans formation
- -> Reversibility

3) Robust Scaler

- Reduces the impact of outlier
- souther present & important

- Median centering
- -> Distribution is maintained
- -> No Tixed Range for scaled data
- Reversibility

4) Max Absolute Scaler

-> Preservation of zero

- sensitive to outliers
- sign is preserved

Teatures are normally distributed

use cases

Dealing with algos that benift from data untered around D.

When there is a bounded scale for features

use cases ___ when data doesn't exhibit strong normal distribution

when working with algos which don't work well with - we value

A

