

Multi-Dimensional Scaling

- Multi-dimensional scaling (MDS):

- Directly optimize the final locations of the z_i values.

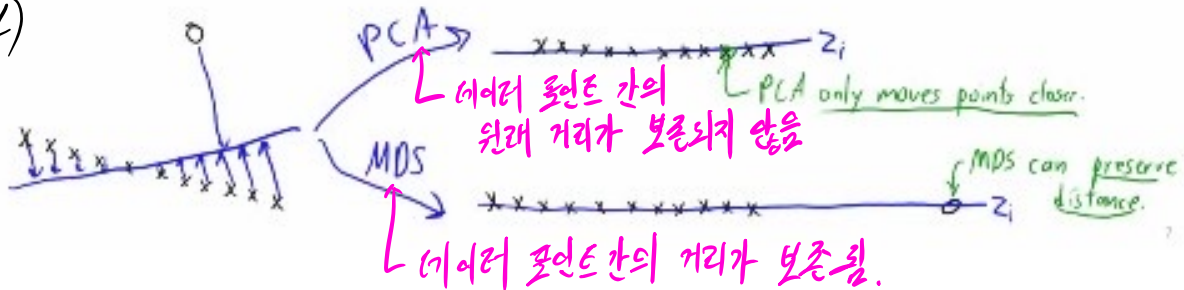
$$f(Z) = \sum_{i=1}^n \sum_{j=i+1}^n (\|z_i - z_j\| - \|x_i - x_j\|)^2$$

- Non-parametric dimensionality reduction and visualization:

- No 'W': just trying to make z_i preserve high-dimensional distances between x_i .

mds의 목적.

①



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