Multi-Dimensional Scaling

- · Multi-dimensional scaling (MDS):
 - Directly optimize the final locations of the z; 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, preserve high-dimensional distances between x_i.

PCA and 로인트 간의 PCA and moves points claser.
위간 거리가 보존되지 않을

MDS Can preserve

(이 이라 로인트 간의 거리가 보존되고 있는 15 tance.

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