

$$X^{n \times m}$$

$n$  samples with  $m$  parameters

$$E^{n \times d}$$

$d$ -dimensional embedding

$$\text{kNN}[k, E^{n \times d}]$$

$k$ -NN

$$G_{d,k}^{n \times n}$$

adjacency matrix

$$\text{leiden}[\gamma, G_{d,k}^{n \times n}]$$

clustering algorithm

$$P_{d,k,\gamma}^{n \times n}$$

clusters