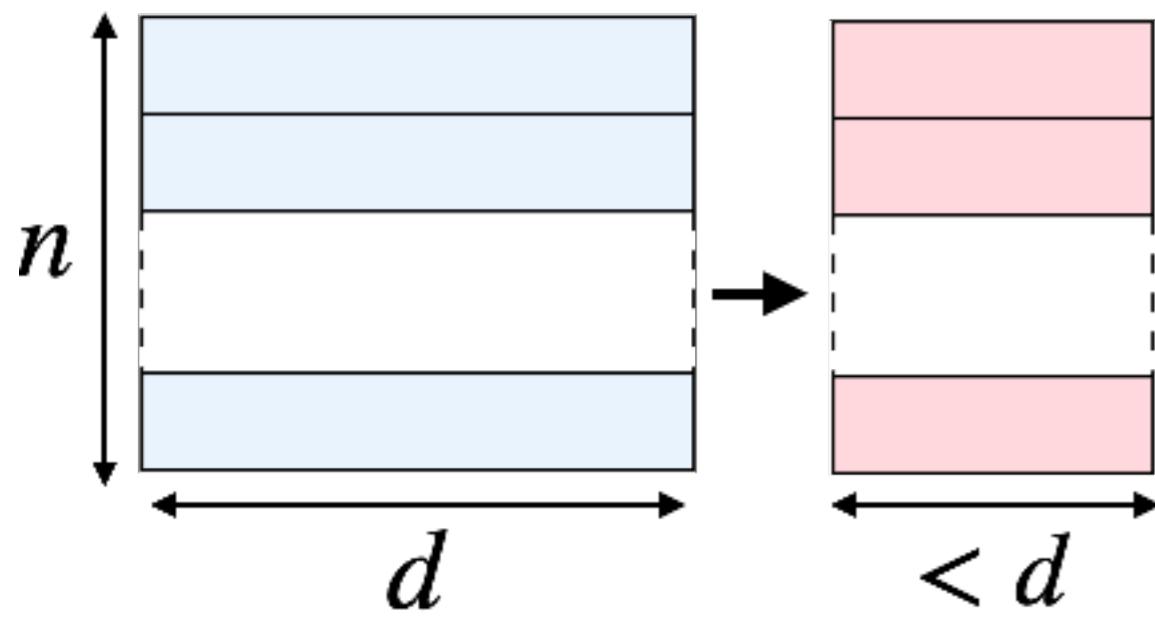
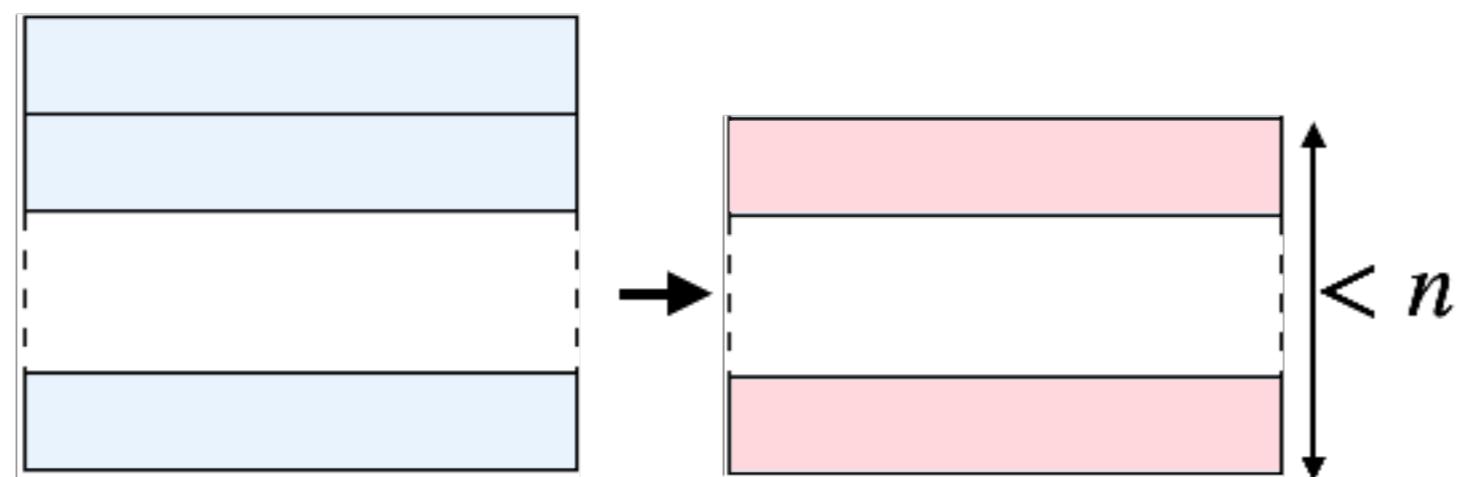


# Compression schemes

## Dimension reduction

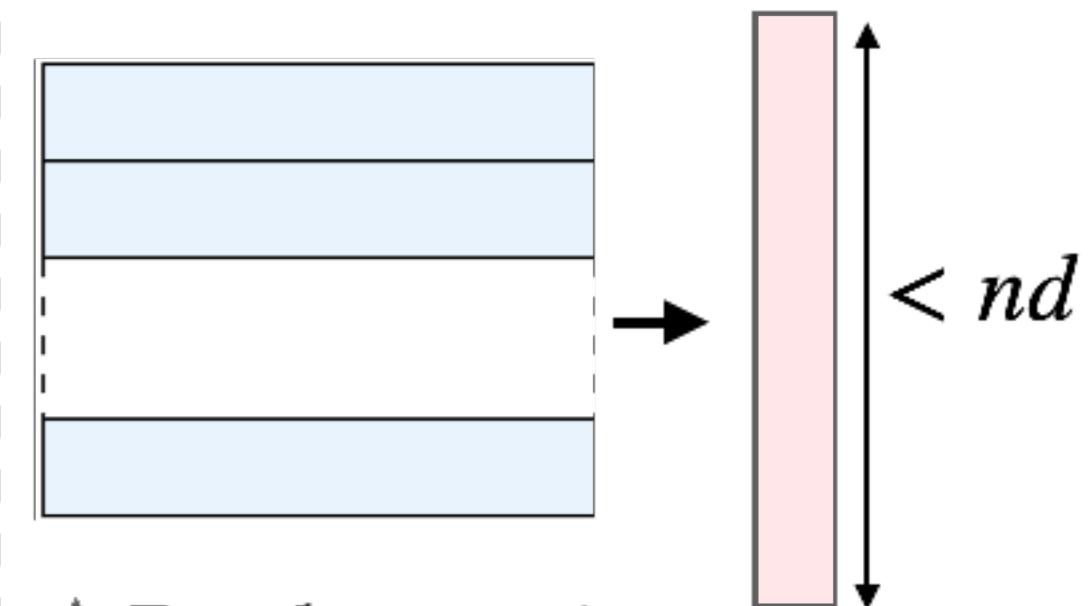


## Sample reduction



◆ Clustering ◆ Coresets ◆ Sampling

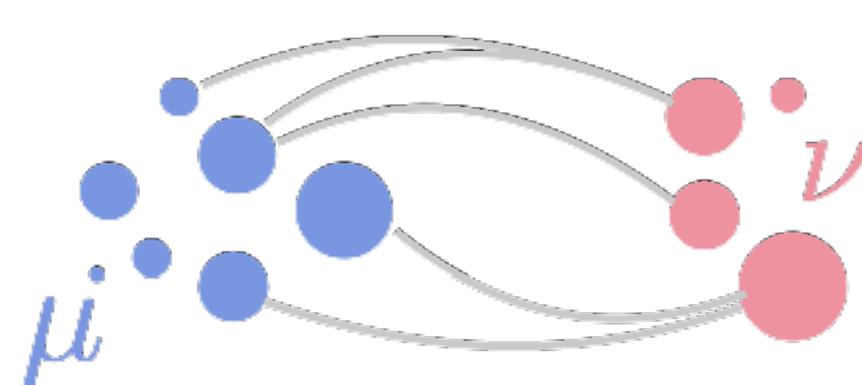
## Sketching



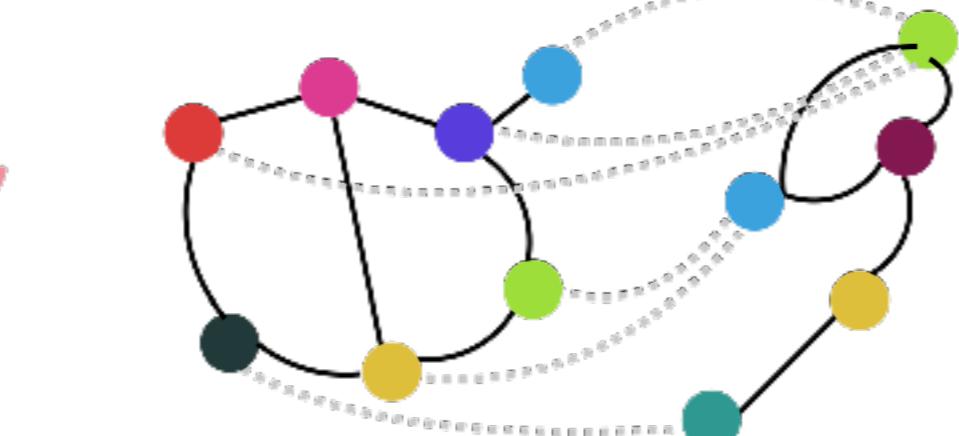
◆ Random proj.

Duality

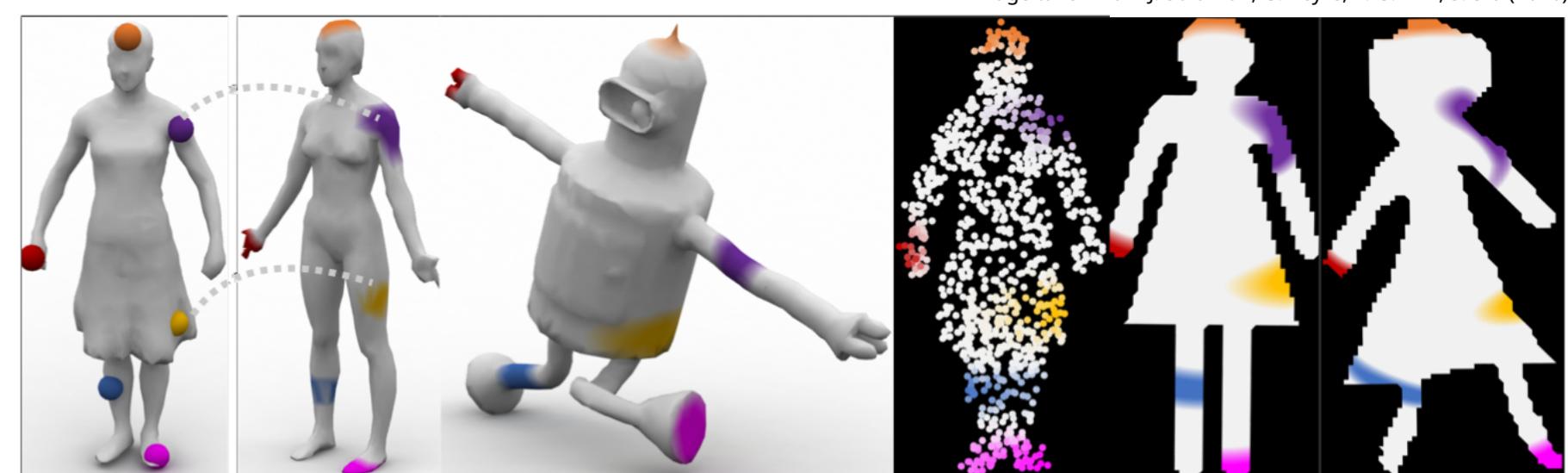
## Alignment schemes



◆ Optimal transport



◆ Geometry



Source  $\mu$  Targets  $\nu$

Image taken from J. Solomon, G. Peyré, V. G. Kim, S. Sra (2016)