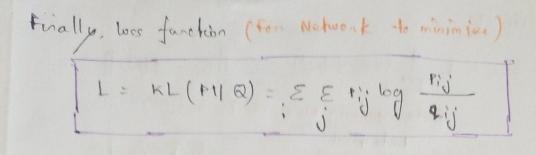
Clustering with DL 1 clustering with DI Reconstruction loss: L=d(xi,f(xi)) = E ||xi - f(xi)||2 Autoencodere; Non- durtue bes. Data point cluster center cluster losses! O K-means loss: L(0) = E & Sik /21 - 4x / 2 (Yang et al- 2006) 4mbedded Data point boolean value for elector assignment (Any Soft clase option) 22 Cluster tes ignment hardening! 11 lower ditarco

Pij = \(\left(\frac{1}{2} - \frac{1}{2} \right) \)

\[
\left(\frac{1}{2} - \frac{1}{2} \right) \]

\[
\left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} \right) \]

\[
\left(\frac{1}{2} - \frac{1}{2}



(Dizaji et. al 2017)

et. al 2007)

La = KL (orpu)

where,
$$g = P(y = k) = 1 \times 2 \cdot 1 \times 1$$

Locality preserving loss, Huary 2014)

Similarity measure between 11, 2

Lip = E E S(vi, nj) ||zi - zj||²

JENK(i)

set of knewnest Neighon of x;

combined losses: L(0) = x, Ld(0) + (1-a) Ln(0).

Clustering Non during less