nearest Neighbors Per Class: Map [Int, Array [labeled Abint]] Lb Freding Lb Textons Lb Tantina Lb Fratina Son diff Meighbors (IC) sum Of Diffs Purcless: Mesop t Int, Induced Seg T Double] nomber Of U-sses acighted sur Snylis (m) 1 ... nombar Of Heighbors sumpt Diffs (A, Ri, Ni) twights: Array [Poubla] number Oftacts (a)

 $X = \left\{ \left(\overrightarrow{F}_{1}, c_{1} \right), \left(\overrightarrow{F}_{2}, c_{2} \right), \ldots, \left(\overrightarrow{F}_{n}, c_{n} \right) \right\}$ R = (R, R2, ..., Rm) R: - (F:, C!) X => map => XI) => take Ordinal => MN(MAX = 4 max (F,[1]... F,[1]), ..., max (F, [q]...F, [q]) MAX2 = m=x (F1, i 11 Fn, i) $XD = \{(\vec{\mathbf{x}}, c_1), \vec{\mathbf{p}}_1\}, \dots ((\vec{\mathbf{x}}_n, c_n), \vec{\mathbf{p}}_n)\}$ Di= (distace (Fi, R.), ..., distace (Fi, Rm)) MNC: = 1 (c, NN:,1), ... (Cc, NN:,c) } nunst Meighers of the issim somple for the 1-sim class. $SDC_i = \{(C_i, \overline{SD}_{i,1}), \dots (C_i, \overline{SD}_{i,c})\}$ SOCIJA: Z diff (NNC, j, A, Rc, 1, A) $W_{A} = \sum_{i=1}^{m} \left[\sum_{j=1}^{c} \frac{p(x_{j})}{1 - p(R_{i}, z_{j})} \cdot SO_{y, z_{j}, A} \right]$ $= \sum_{i=1}^{m} \left[\sum_{j=1}^{c} \frac{p(x_{i})}{1 - p(R_{i}, z_{j})} \cdot SO_{y, z_{j}, A} \right]$ $= \sum_{i=1}^{m} \left[\sum_{j=1}^{c} \frac{p(x_{i})}{1 - p(R_{i}, z_{j})} \cdot SO_{y, z_{j}, A} \right]$ $-SD:_{(2;2)}A$

bata With Distances: KDO [Lahlestoint, Ar	ray[, Dosla.]]
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