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Algorithm 1: Clustermatch algorithm
 1 Function get_partitions(v, k_{max}):
            Output:
                   \Omega_r: clustering with r clusters over n objects
            if \mathbf{v} \in \mathbb{R}^n then
 2
                   for r \leftarrow 2 to min\{k_{\text{max}}, |\mathbf{v}| - 1\} do
  3
                  \rho \leftarrow (\rho_{\ell} \mid \Pr(v_i < \rho_{\ell}) \le (\ell - 1)/r), \forall \ell \in [1, r + 1]
\Omega_{r\ell} \leftarrow \{i \mid \rho_{\ell} < v_i \le \rho_{\ell+1}\}, \forall \ell \in [1, r]
  5
            else
             \begin{vmatrix} \mathcal{C} \leftarrow \cup_j \{v_i\} \\ r \leftarrow |\mathcal{C}| \end{vmatrix} 
 6
                 \Omega_{rc} \leftarrow \{i \mid v_i = \mathcal{C}_c\}, \forall c \in [1, r]
  9
            // Remove singleton partitions
            \Omega \leftarrow \{\Omega_r \mid |\Omega_r| > 1\}, \forall r
10
            return \Omega
11
12
13 Function clustermatch(x, y, k_{\text{max}}):
            Input:
                   \mathbf{x}: feature values on n objects
                   \mathbf{v}: feature values on n objects
                   k_{\text{max}}: maximum number of internal clusters
            Output:
                   c: similarity value for \mathbf{x} and \mathbf{y} (c \in [0, 1])
            \Omega^{\mathbf{x}} = \text{get\_partitions}(\mathbf{x}, k_{\text{max}})
14
            \Omega^{\mathbf{y}} = \text{get\_partitions}(\mathbf{y}, k_{\text{max}})
15
            c \leftarrow \max\{\mathcal{A}(\Omega_n^{\mathbf{x}}, \Omega_q^{\mathbf{y}})\}, \forall p, q
16
            return c
17
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