Open world contrastive learning

Problem formulateon:

Du, De = De UDe

{ai, bi)}

{ai, bi)}

An = An Ye

un brown total label set.

generalized Contractive losses:

 $\log (n; e, p_n) = \frac{1}{|p(n)|} \sum_{z \in p_n} \log \frac{e^{z} \cdot e^{z}}{e^{xp}(e^{z} \cdot e^{z})}$

Priototype-based learning

Prototype embedding rectors: Me; CE Jan

Randomy with alter proto type vector m = []u, | Yz | M3 | ~~~ | M c --] c = yan cardinality) > Prototype hased Nove 1. 4 propose a let formulation. $\mathcal{D}_{n} = \left\{ x_{i} \mid \underset{i \in \mathcal{I}_{n}}{\text{max}} \quad \text{Mi.} \quad \phi(x_{i}) < \lambda \right\}$ chosen basedon Labeled classes. [class balanced??] score mar y_j . $\beta(x_i)$ $|x_i| \in D_Q$

Inototype based Set Selection: