Openmix.

labeled data $D^{1} = \{x', y'\} \rightarrow 1.... N^{1}$ unlabeled $D^{1} = \{x^{1}, y'\} \rightarrow 1.... N^{1}$ $y^{1} \in \{1, -... C^{1}\}$ $y^{1} \in \{1, -... C^{1}\}$ $y^{1} \in \{1, -... C^{1}\}$ $y^{2} \in \{1, -... C^{1}\}$ $y^{2} \in \{1, -... C^{1}\}$ $y^{2} \in \{1, -... C^{1}\}$ $y^{3} \in \{1, -... C^{1}\}$ $y^{4} \in \{1, -... C^{1}\}$ $y^{5} \in$

Naire Baseline:

model mitialization

le = - 1 & log (softman (2i)) . Y;

le = - 1 & log (softman (2i)) . Y;

zi > output of classifier.

, 1 1 1 7 -

(1) Unsupermied Clasting

Cosine si'milarity matrix: SEIR" > 1P"

$$W_{i} = \begin{cases} 0 & j & \text{sij} < \Theta_{1} \\ 1 & j & \text{sij} > \Theta_{1} \end{cases}$$

 W_{i} = $\begin{cases} 0 & j & s_{i,j} < \Theta_{1} \\ 1 & j & s_{i,j} > \Theta_{1} \end{cases}$ Robstering belief

In expectation = - $\frac{1}{(n^u)^2} \stackrel{\mathcal{E}}{:} \left(\underset{j}{\mathcal{W}}_{i,j} \log S_{i,j} \right) \stackrel{\text{should be}}{=}$

Opnamic changes.

One hot pseudo-label:

is distanbuted) pointle solution Intropy [my propo]
supresentation) pointle solution Intropy [my propo]

IPIQ =- 1 E 67 (21) . 5" ; * i & i & max (3) =)

final loss! Luc = Lppl f 2; lple

Open May:

OU nix with labeled tata:

mix label + U data & labels

L~ Beta (e, -e)

2th ~ max (l, 1-l) > 0.2

data; m= 1 x f (1-2*) y dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: $y = 2^k \int_{-\infty}^{\infty} f \left(1-2^*\right) y$ dosor to in label: y =

mix the anchose with the unlabeled data.

Hlemanchical apparoach

RMSE 1088)? not dansit fr.

Loss of Open Mix

Lopm = 1 € 1 cl+c" | J. - softmax (Zi) /2

overall loss:

hall - Luc + 2 Lopm

1 1 1 1 1 1

refers to transformed

Lay = Luc + 2 Ropm + Luc + n2 Lopes