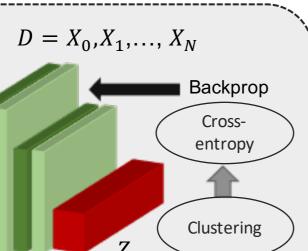
1. Embedding Learning



3. Meta-Continual training

Single inner loop

FEN Attention module

Loss with respect to
$$W_k$$

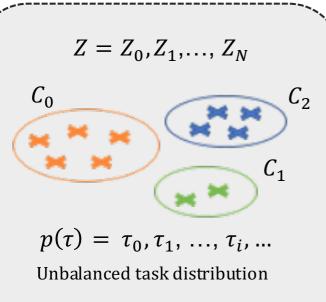
$$L(Y_{query} + Y_{cluster}, Y'_{query} + Y'_{cluster})$$
Outer loop

Outer loop

FEN CLN
$$W$$

CLN
$$W'$$

2. Unsupervised Tasks



4. Meta-Continual test

$$\begin{array}{c|c} \tau_r \! \sim \! p(\tau) \\ \text{Meta-test} \\ \text{Train} \\ S_{cluster} \\ S_{query} \end{array} \qquad \begin{array}{c|c} \text{FEN} \\ \theta \end{array} \qquad \begin{array}{c} \text{CLN} \\ W \end{array}$$

$$\begin{array}{c} \text{Meta-test} \\ \text{Test} \end{array} \qquad \begin{array}{c|c} \text{FEN} \\ \theta' \end{array} \qquad \begin{array}{c} \text{CLN} \\ W' \end{array}$$