

Train
(4/5)

Eval
(1/5)

Test
(1/5)

(trX, trY)

(evX, evY)

(teX, teY)

$\text{diff}(\text{teY}', \text{teY}) \leftarrow \text{teY}' \leftarrow \text{W} * \text{teX}$

$\text{evY}' \longrightarrow \text{diff}(\text{evY}', \text{evY})$

evX

$*$

$\text{trX} * \text{W} \longrightarrow \text{trY}' \longrightarrow \text{diff}(\text{trY}', \text{trY})$

Back-propagation

GDO