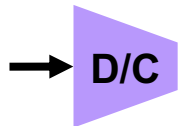


Impression control with missing labels

Discriminator with Auxiliary Classifier



real/fake
Char class classification

y_{class}

Impression
classification

**Impression label
space compressor
(ILSC)**

y_{ILSC}

0.29

0.92

0.01

0.09

word2vec

Weighted

sum

semantic cond.

s^r

noise z^g

char class
cond.

Generator

G

Gaussian
Perturbation

missing

y

0

1

Impression
class cond.

0

1

**Co-occurrence-based
missing label estimator
(CMLE)**

y_{CMLE}

0.3

1

0

1

Pseudo-complete
Impression
class cond.

minimize
bce loss