



Lehrstuhl für
Bildverarbeitung

RWTHAACHEN
UNIVERSITY

Sentence Mining and Content Analysis - Semantic Instance Segmentation

Yui Wu

Losses

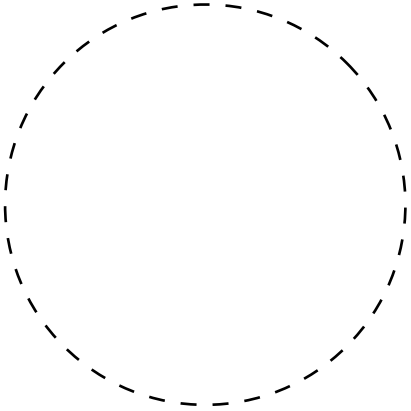
Method

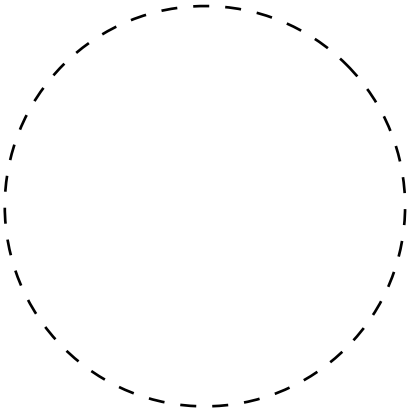
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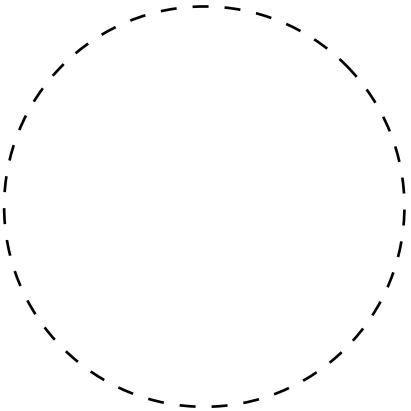
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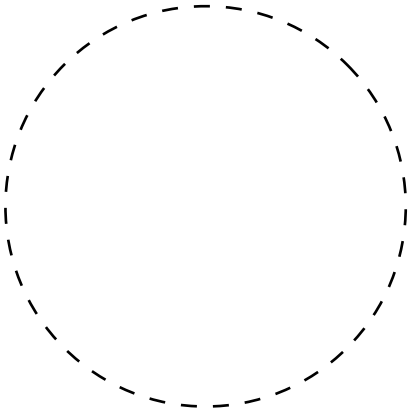


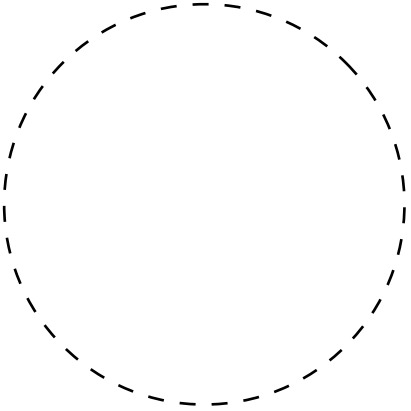


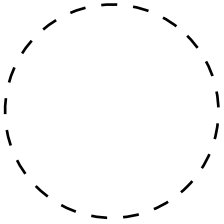


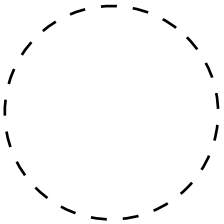


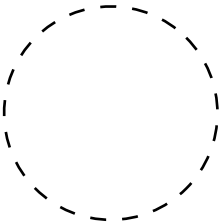


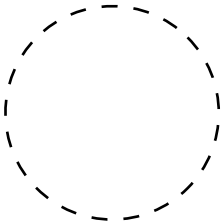


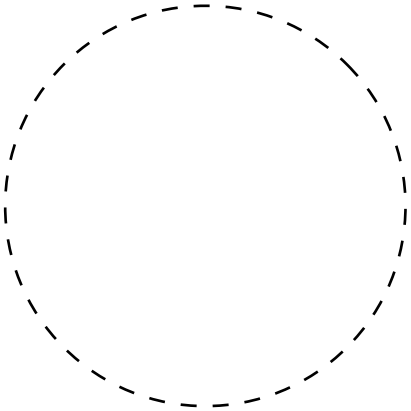


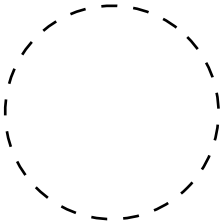


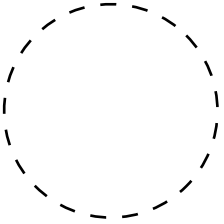


















































$$L = \alpha \cdot L_{var} + \beta \cdot L_{dist} + \gamma \cdot L_{reg}$$



$$L_{dist} = \frac{1}{C(C-1)} \sum_{\substack{c_A=1 \\ c_B=1 \\ c_A \neq c_B}}^C \sum_{c_B=1}^C \left[2\delta_d - \|\mu_{c_A} - \mu_{c_B}\| \right]_+^2$$

2

3