D-ALICE : Domain-Adaptation based Labeling the human In Cartoon imagE.

(A)   (B)

Image Translation

Segmentation trained by only Real Image

(C)   (D)
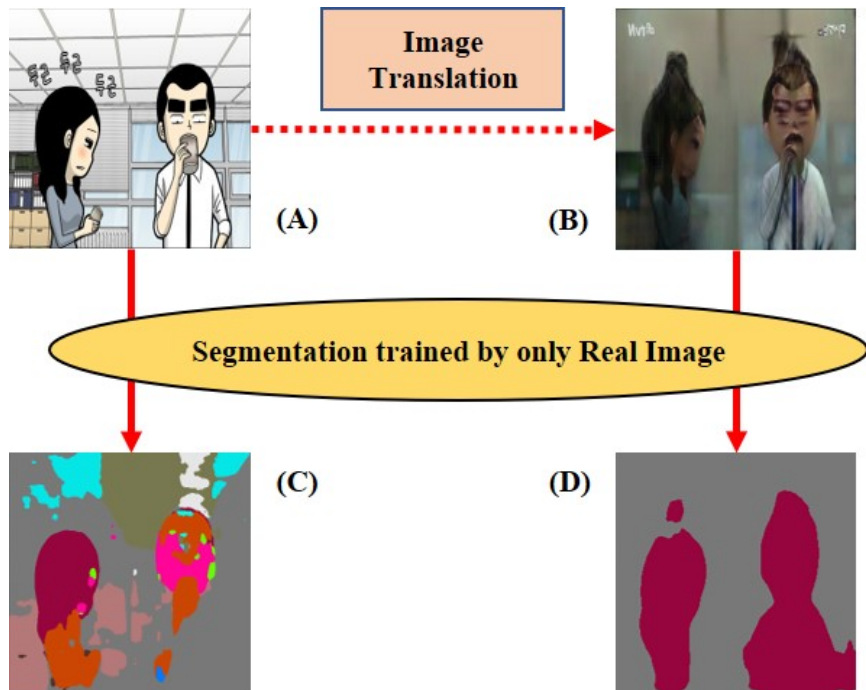
- Over view of D-ALICE.
- (A) is the original image of cartoon "Gaus Electronics".
- (B) is the image after conversion.
- (C) and (D) are segmentation results of the original and transformed image.
- In segmentation results, people are displayed in wine and you can see directly that the people after conversion are better distinguished than before.
- Segmentation using the pretrained model for the real word images.

- Quantitative evaluation of experiments.

Segmentation Accuracy	Images	
	Original	*After Conversion*
Mean IoU	19.46%	**55.05%**
Pixel Accuracy	73.13%	**81.12%**

(A)

(B)

(C)

(D)
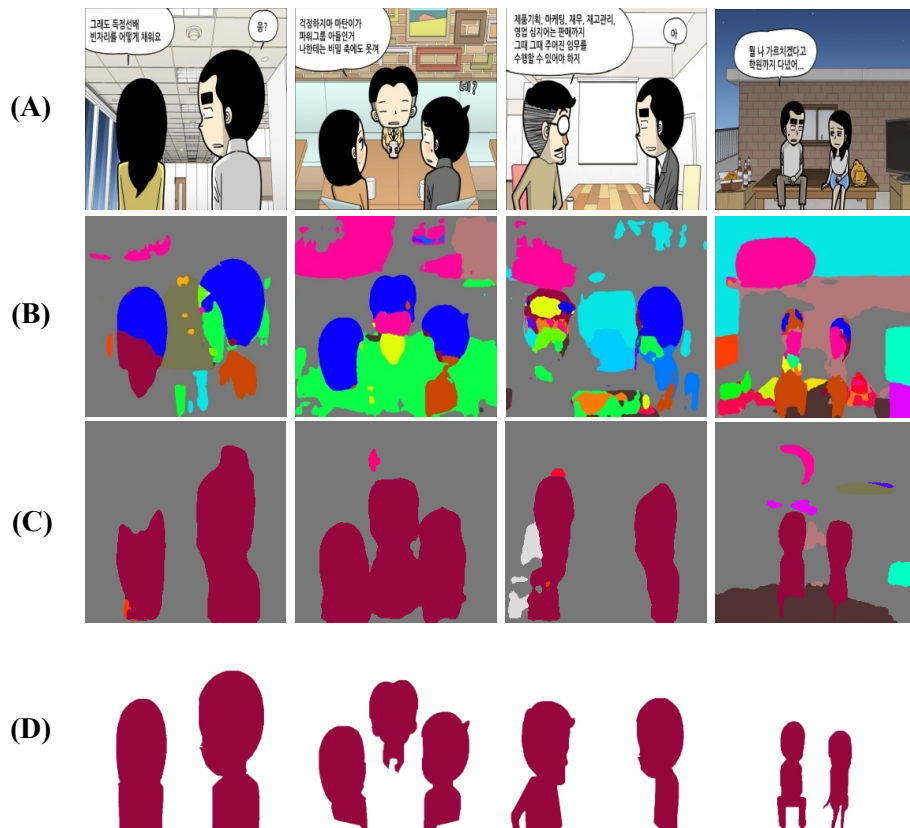
- Qualitative evaluation of experiments.

- (A) is the original cartoon image.

- (B) is the segmentation results of each images.

- (C) is the segmentation results of the transformed image from the original.

- (D) is the segmentation ground truth for person in each cartoon image.