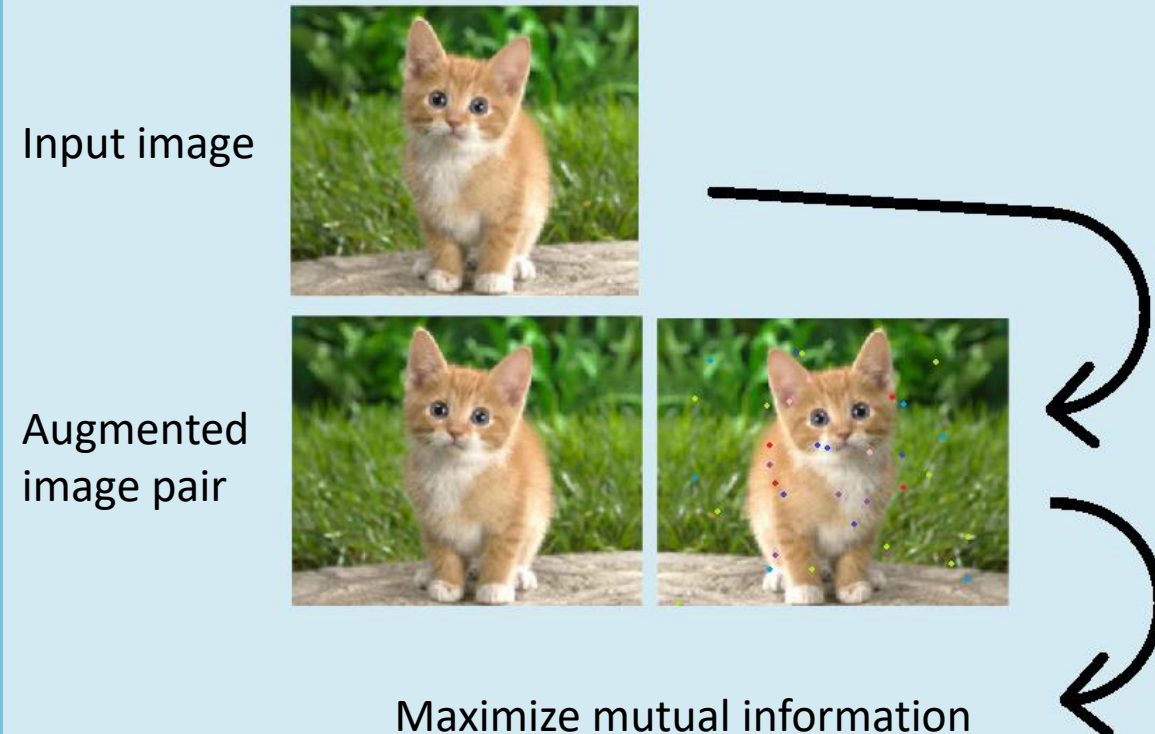


Invariant Information Clustering for Unsupervised Image Segmentation

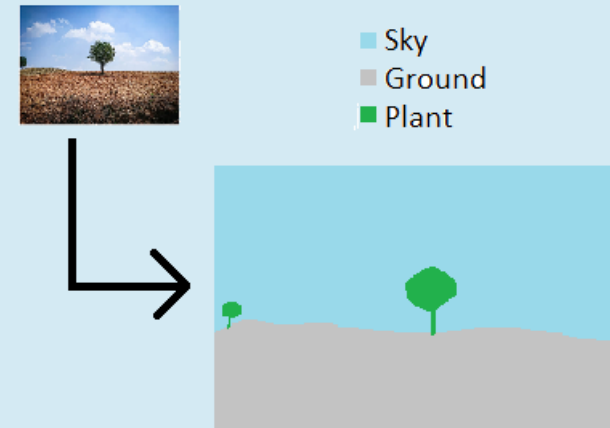
Method

- Input unlabeled image
- Generate augmented image pair
- Maximize mutual information between patches



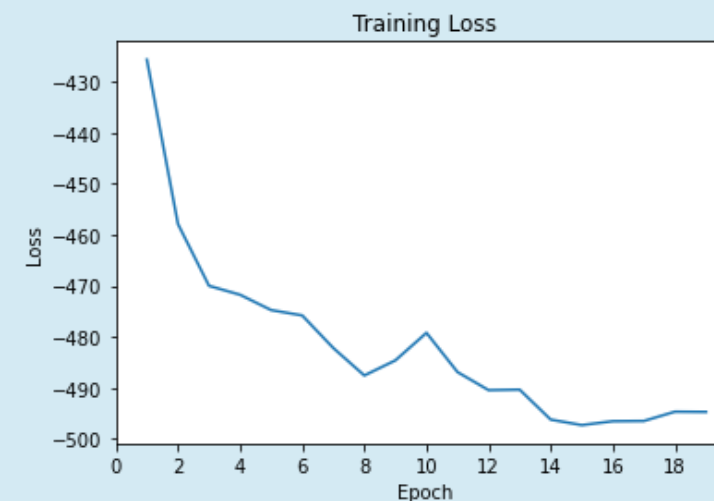
- The model has now learned how to correctly identify the class of a pixel in an image

Goal



Experiment and Result

- Followed procedure to filter COCO3 dataset
- Trained for 12 hours



Conclusion

- Results were comparable
- Differences:
 - Number of epochs trained
 - Number of heads in the network
- 68% accuracy vs original 72% accuracy



- Other results of ours

