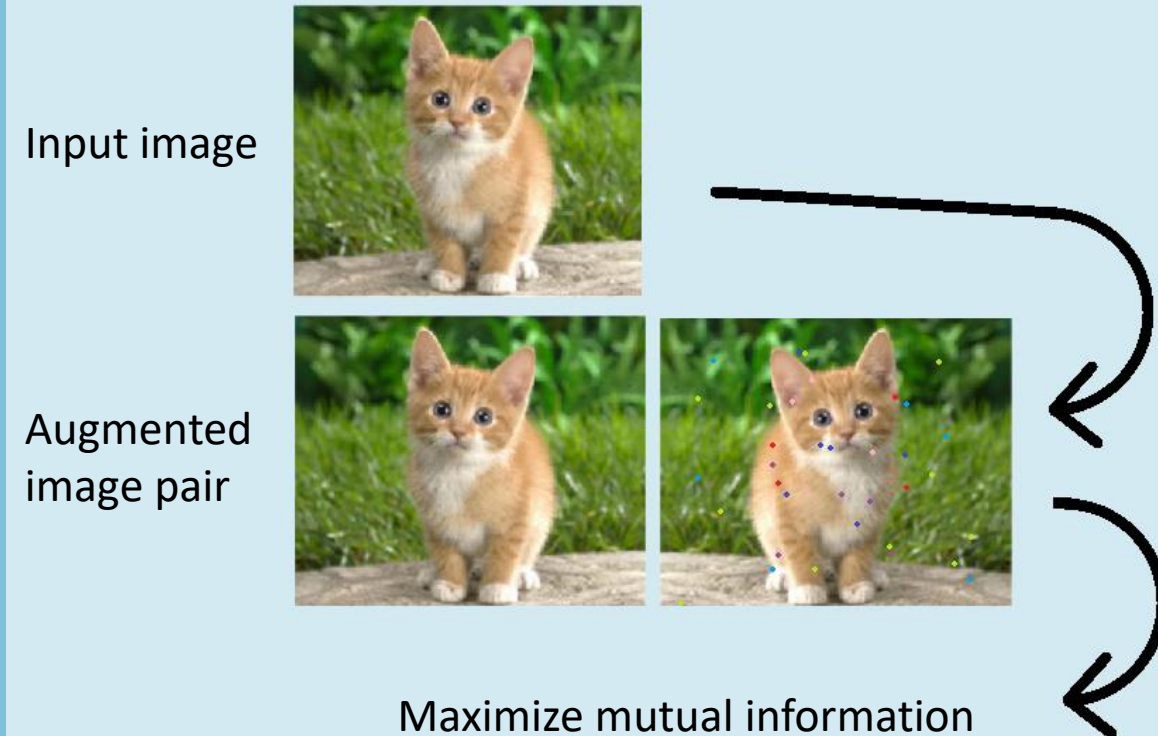


Invariant Information Clustering for Unsupervised Image Segmentation

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

Experiment and Result

- Followed procedure to filter COCO3 dataset
- Trained for 24 hours



Ours

- Experiment:
 - Extra criterion of 75% content pixels
 - Trained for same number of epochs as original experiment

Conclusion

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