

Closing Remarks

Summary

- Top-5 accuracy is improved
 - 1st place 82.54% (79.25% in 2018)
- Text/meta-data is the new focus
 - Bert model
 - Semantic relation based on WordNet
- Other issues
 - Label noise
 - Class imbalance
 - Model ensemble
 - Long-tail distribution

Open Questions

- Definition of classes
 - What classes are representative?
- Number of classes
 - Are 5,000 classes enough or too many?
- Larger scale
 - Shall we increase the dataset size?
- More tasks
 - Webly supervised semantic segmentation / object detection
 - Domain adaptation / transfer learning
 - Video recognition

Thank you!