Closing Remarks
Summary

- Top-5 accuracy has dropped
  - 1st place 79.25% (94.78% in 2017)

- Noise is the major concern
  - Resampling + Bootstrapping
  - Self-supervised pre-training
  - Confidence/Clustering based data cleaning
  - Multiple instance learning

- Is noise the only concern?
  - Class imbalance
  - Very hard classes

- Few cares of meta-data
Open Questions

● Definition of classes
  ○ Long tail distribution
  ○ What classes are representative?

● Number of classes
  ○ Are 5,000 classes enough or too many?

● Larger scale
  ○ Shall we increase the dataset size more?

● More tasks
  ○ Webly supervised semantic segmentation / object detection
  ○ Video Recognition
Thank you!