# Week 4 Optional References

## <https://www.snorkel.org/>Week 4: Advanced Labeling, Augmentation and Data Preprocessing

This is a compilation of resources including URLs and papers appearing in lecture videos.

[Hand Labeling](https://twitter.com/jeffdean/status/1106325994913189888?lang=en)

[Weak supervision](https://dawn.cs.stanford.edu/2017/07/16/weak-supervision/)

[Snorkel](https://www.snorkel.org/)

[How do you get more data?](https://ai.googleblog.com/2018/06/improving-deep-learning-performance.html)

[Advanced Techniques](https://github.com/google-research/uda)

[Images in tensorflow](https://www.tensorflow.org/lite/models/image_classification/overview)

CIFAR-10

1. <https://www.cs.toronto.edu/~kriz/cifar.html>
2. <https://www.tensorflow.org/datasets/catalog/cifar10>

[Weather dataset](https://www.bgc-jena.mpg.de/wetter/)

[Human Activity Recognition](https://www.cis.fordham.edu/wisdm/dataset.php)

Papers

Label Propagation:

Iscen, A., Tolias, G., Avrithis, Y., & Chum, O. (2019). Label propagation for deep semi-supervised learning. <https://arxiv.org/pdf/1904.04717.pdf>

