

Meeting 01.06.2017 Tom

Thursday, 1. June 2017

12:24

- Problem cases for having more labels are road, water, agriculture, cultivation, habitation
- Try to model joint probability distribution
 - o Given some of the other labels we already found we can say if the new label has a higher or lower probability of being found
 - o First step, try to look at more complicated than pairwise comparison, depending on outcome maybe include probabilities
 - o Could be one of the weak classifier in an ensemble
- Do you use the fact how much of a specific type of class there is in an image
 - o If there's only 50% green there's a higher probability that there are other classes in the image than when there's 80-90% green
- Have weather classifier
- Train statistical clsfr on weather and then have three NN for partly cloudy, haze, clear
- See if we score differently on the haze/partly cloudy images than clear pictures
 - o If current clsfr not good when it's hazy, new clsfr
- Google style transfer and other pre trained networks
- Also augmentation of test set seems to help
 - o Makes a difference
- Extent search for correlation to 2,3

