

Selfdriving Cars - tutorial class

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Q&A

1. (Normalization) does standardization per pixel make sense?
 - a. yes, statistical reasons
 - i. e.g. concat all pixels and calc the mean over the pixelvector
 - b. use batchnorm
2. python issue
 - a. logical reasoning
 - i. `torch.where x = ???`
 - ii. `any()`
3. cross-entropy-loss
 - a. calculating `batch_groundtruth` with `batch_out`
 - i. if `batch_out = 0` then ist numerical instable
 - 1) computing softmax activations can result in 0
 - 2) be careful with the log numbers
 - ii. --> epsilon solves this issue
4. add insides to the question
5. how to document experiments?
 - a. show training loss and final test result
 - i. maybe some images from failures
 - b. do not use code and questions in the pdf
 - i. just add the experiments/figure and sentences
6. what is a good score in the first exercise?
 - a. a reward of 400+ is really good, 500+ reward can be reached