Quick Update on Object Detection and NLP

Gobind Puniani
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Object Detection

- Need to download COCO dataset to TLALOC

  - sudo command possibly needed

  - https://cocodataset.org/#download

- Faster R-CNN model formatted to produce output like Misra's models

  - Need to download dataset to use trainloader and testloader definitions

NLP

- Might be able to only do Language Modeling

    - Other NLP tasks (like Text Classification and Sentiment Analysis) can't be implemented with Transformer model

    - Models based on Transformer (XLNet, BERT, etc.) do not provide access to the activation functions in Transformer definition

    - Cannot do full gamut of NLP testing

- Still having trouble with finding appropriate argument values for Transformer model

    - Default values do not seem to be working

    - AttributeError(c) appearing from fast.ai code

    - Need Manuel's assistance

Next Steps

- LaTeX tables are in progress

  - Difficulty in formatting different numbers of columns for various rows

- Future testing on unsupervised learning models