CS 7650 – Natural Language Processing

Professor Wei Xu

Project - Hyperboloid embeddings and Hypersphere similarity metrics for Sentence-BERT

Project Code

1. **Link to Code Repository**
   1. <https://github.gatech.edu/tgoli3/gt-nlp-f22>
2. **Datasets**
   1. STSb (Semantic Textual Similarity Benchmark)
      1. <https://paperswithcode.com/dataset/sts-benchmark>
   2. SNLI (Stanford Natural Language Inference)
      1. <https://nlp.stanford.edu/projects/snli/>
   3. MultiNLI (Multi-Genre Natural Language Inference)
      1. <https://cims.nyu.edu/~sbowman/multinli/>
   4. AllNLI (SNLI + MultiNLI)
      1. <https://www.sbert.net/examples/datasets/README.html>
3. **Link to Video Presentation (Either of these 2 links should work)**
   1. <https://youtu.be/cZS4f8wblsQ>
   2. <https://drive.google.com/file/d/1H51bEluw-pFoq1rE2Z_Vs05rj3HIw1Kl/view?usp=sharing>
4. **Link to Presentation Slides**
   1. <https://docs.google.com/presentation/d/1JFNeWdfOmCuAd0YfaSp2SIxJFFxa2Z1V/edit?usp=sharing&ouid=115550680245377997497&rtpof=true&sd=true>