

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

- a. <https://github.gatech.edu/tgoli3/gt-nlp-f22>

### 2. Datasets

- a. STSb (Semantic Textual Similarity Benchmark)
  - i. <https://paperswithcode.com/dataset/sts-benchmark>
- b. SNLI (Stanford Natural Language Inference)
  - i. <https://nlp.stanford.edu/projects/snli/>
- c. MultiNLI (Multi-Genre Natural Language Inference)
  - i. <https://cims.nyu.edu/~sbowman/multinli/>
- d. AllNLI (SNLI + MultiNLI)
  - i. <https://www.sbert.net/examples/datasets/README.html>

### 3. Link to Video Presentation (Either of these 2 links should work)

- a. <https://youtu.be/cZS4f8wblsQ>
- b. [https://drive.google.com/file/d/1H51bEluw-pFq1rE2Z\\_Vs05rj3HIw1KI/view?usp=sharing](https://drive.google.com/file/d/1H51bEluw-pFq1rE2Z_Vs05rj3HIw1KI/view?usp=sharing)

### 4. Link to Presentation Slides

- a. <https://docs.google.com/presentation/d/1JFNeWdfOmCuAd0YfaSp2SIxJFFxa2Z1V/e-dit?usp=sharing&ouid=115550680245377997497&rtpof=true&sd=true>