

Sentence Classification Data

$$RP_{sents} = \cup (Text_i, Y_i)$$

 $RP_{sum} = \cup (RP_{sent_i}, Phrase_i)$



Create Data

Text Summarization Data

Taking Following Files:

sentences.txt

NCG Data

- *-Stanza-out.txt
- triples/research-problem.txt
- info-units/research-problem.json

Preprocessing

Preprocessing

Create Model

Classification Task Fine-tunning DistilRoberta-base

Create

Model



Summarization Task Fine-tunning T5-base

Preprocessing

Research Problem Classifier

Inferencer

Research Problem Phrase Extraction

Out