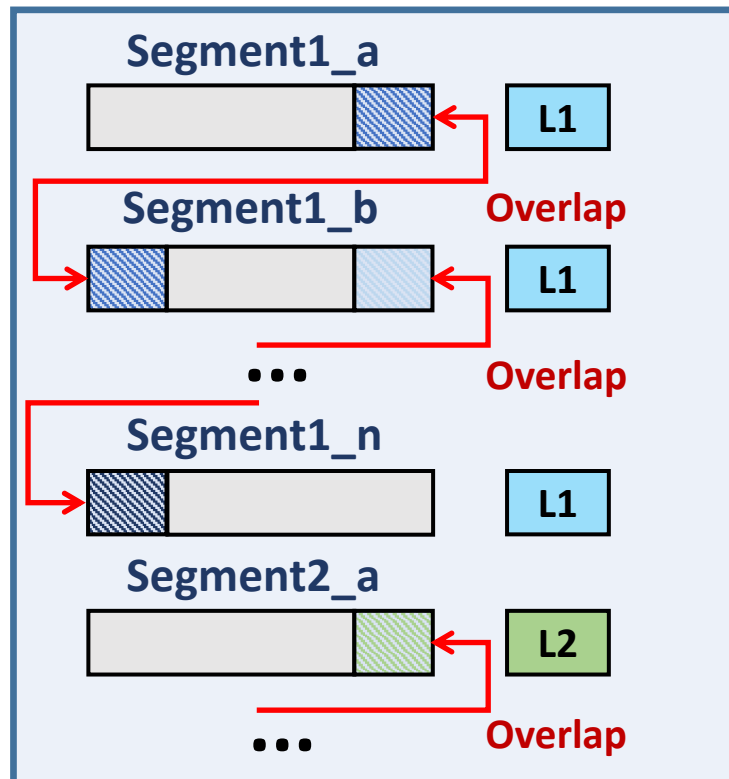


Concatenated Texts with Labels

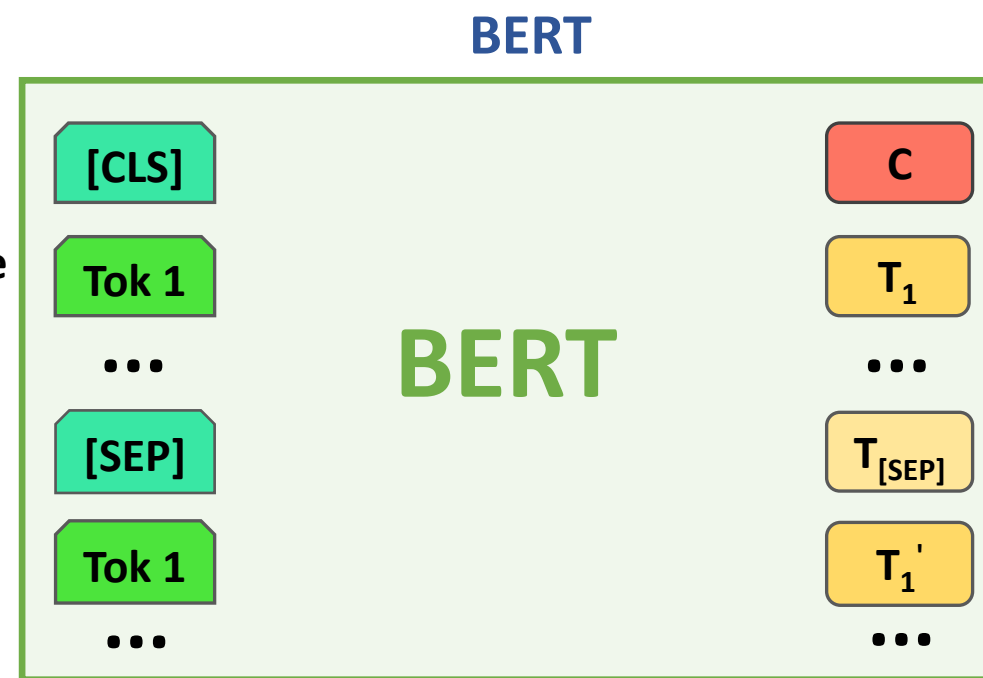
Original Post 1	Comment 1	Comment 2	...	Comment N	Label 1
Original Post 2	Comment 1	Comment 2	...	Comment M	Label 2
...					
Original Post n	Comment 1	Comment 2	...	Comment P	Label n

Split Texts

Post Segments for BERT Input

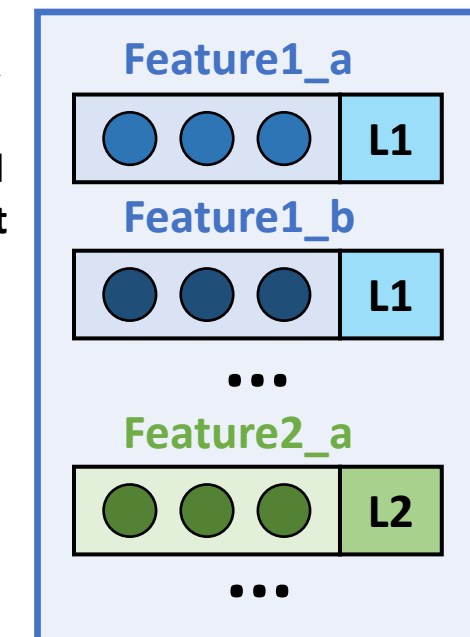


Sentence Input



Pooled Output

Semantic Features from BERT



BERT Features Extraction Layer

Features Classifiers for Rumour Detection

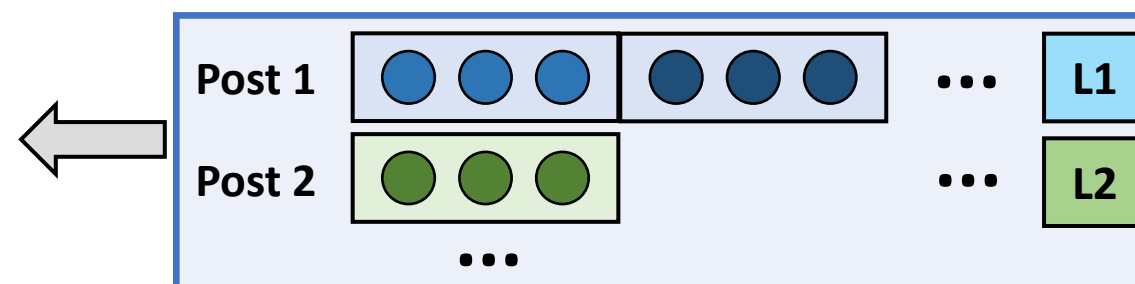
RoBERT

LSTM

ToBERT

Transformer

Concatenated Semantic Features with Labels



Concatenate Features

Features Classification Layer