

Social Media Analytics Report

By:

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Dataset used:

<https://www.kaggle.com/datasets/gowrishankarp/newspaper-textsummarization-cnn-dailymail>

Steps to get Bert_Score and Rouge_Score:

1. Extract Articles from the dataset which are given as input in chunks to Flan-T5 model for summarization.
2. Run the model, Flan-T5.
3. Store the output in a new file results.csv and actual summary to book.csv and perform Scoring metric on the two files.

Result:

- Bert_Score:

```
Final cumulative BERT Scores:  
Precision: 0.7826485204696655  
Recall: 0.7591246308289906  
F1 Score: 0.77040669769881116
```

- Rouge_Score:

```
ROUGE Scores:  
ROUGE-1: 0.24341470377226568  
ROUGE-2: 0.06397838853002916  
ROUGE-L: 0.15687973383448793  
ROUGE-Lsum: 0.15706324397358995
```

- Bleu_Score:

```
Average BLEU Score: 1.013431547498706e-231
```