

1 Results

Table 1: Comparison of Evaluation Metrics Before and After LoRA Fine-tuning

Metric	Baseline	Finetuned (LoRA)
BLEU-1	0.5077	0.6867
BLEU-2	0.4182	0.5820
BLEU-3	0.3548	0.4972
BLEU-4	0.3099	0.4379
ROUGE-1 (F1)	0.3486	0.4519
ROUGE-2 (F1)	0.1259	0.2022
ROUGE-L (F1)	0.3157	0.4272
METEOR	0.2871	0.4126
CIDEr	0.2315	0.2468
TTR	0.0586	0.0487
Repetition Rate ↓	0.1220	0.1326