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Summarization Training Report

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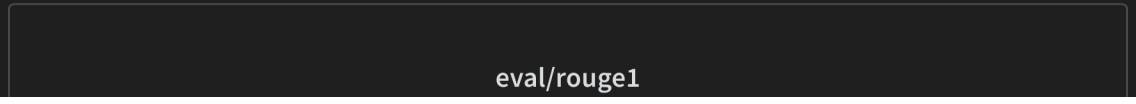
Some key observations

- As its visible that after second epoch the model started overfitting, this maybe because of small datasets of about 1k data points.
- Although the rouge score we achieved is pretty good even with small scale of fine-tuning, this shows the strength of bart-large-cnn model, trained by facebook.
- For generating the best summary, user can tweek the models parameters by specifying the beam-width, length penalty, number of repetitions allowed and so on.
- For the deployment we loaded the best model on the hub.

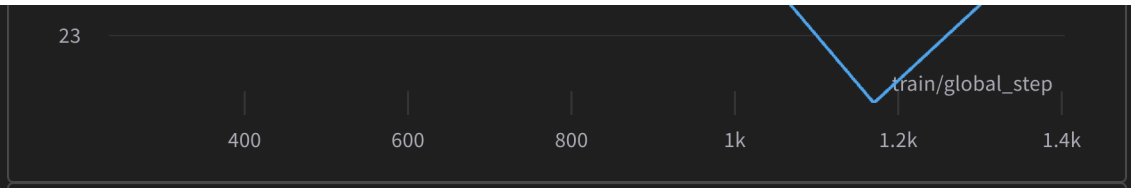
Metrics Results

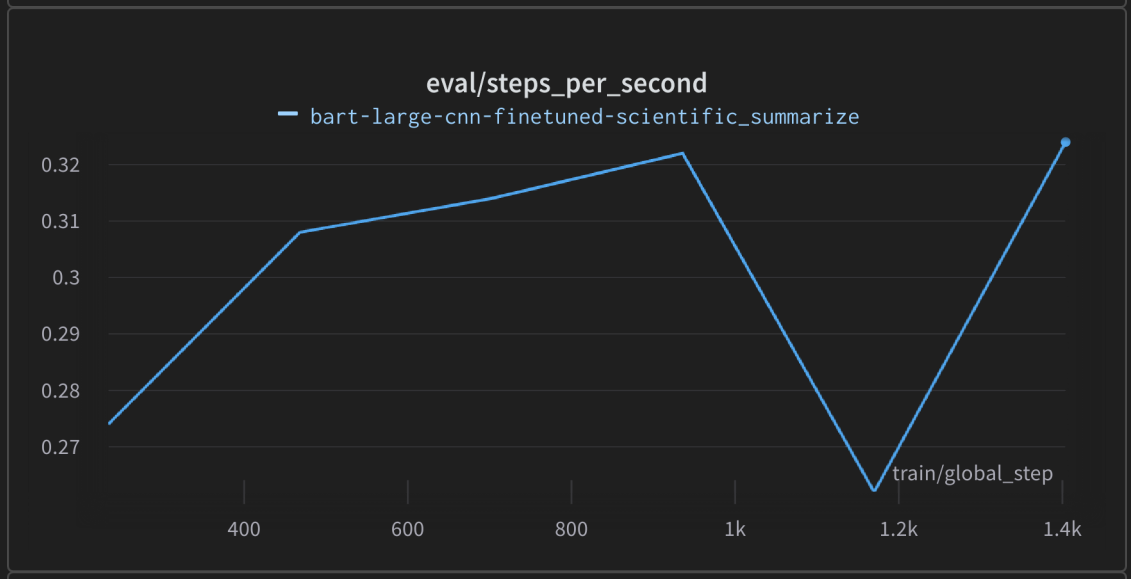
Epoch	Training Loss	Validation Loss	Rouge1	Rouge2	Rougel	Rougelsum
1	2.949000	2.772191	45.248200	12.065000	25.050400	42.273800
2	2.224500	2.693764	46.174000	13.378100	23.530100	41.566500
3	1.725100	2.838049	44.975700	12.509500	24.757200	40.756000
4	1.318100	2.963460	44.269600	12.100500	24.145700	39.446100
5	0.975400	3.331305	43.441600	12.083500	22.509800	40.096500
6	0.684300	3.597512	45.369600	12.432900	23.793500	41.382500

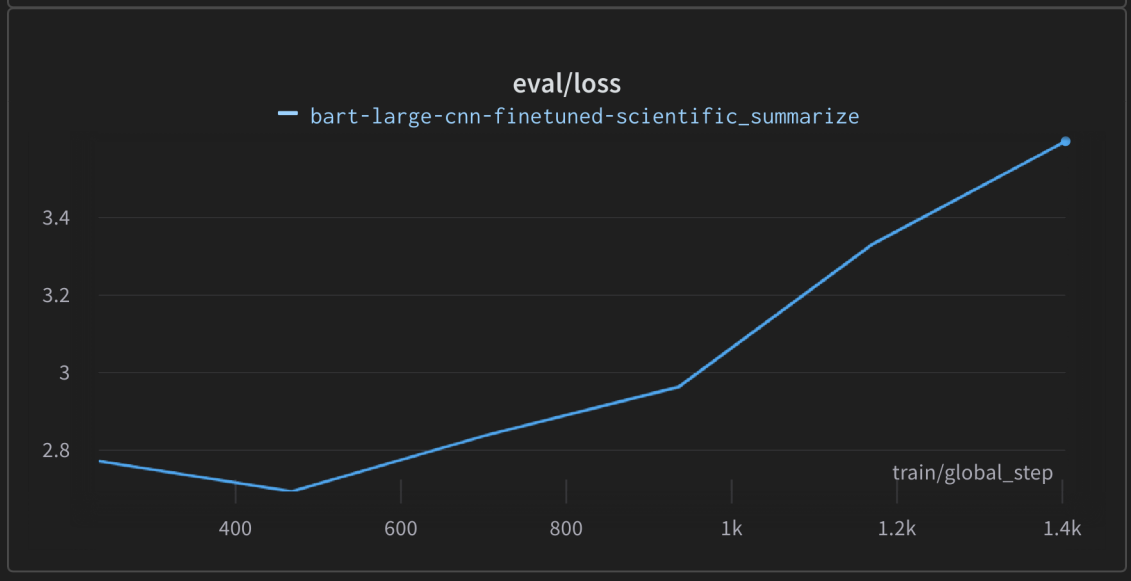
Evaluation Curves



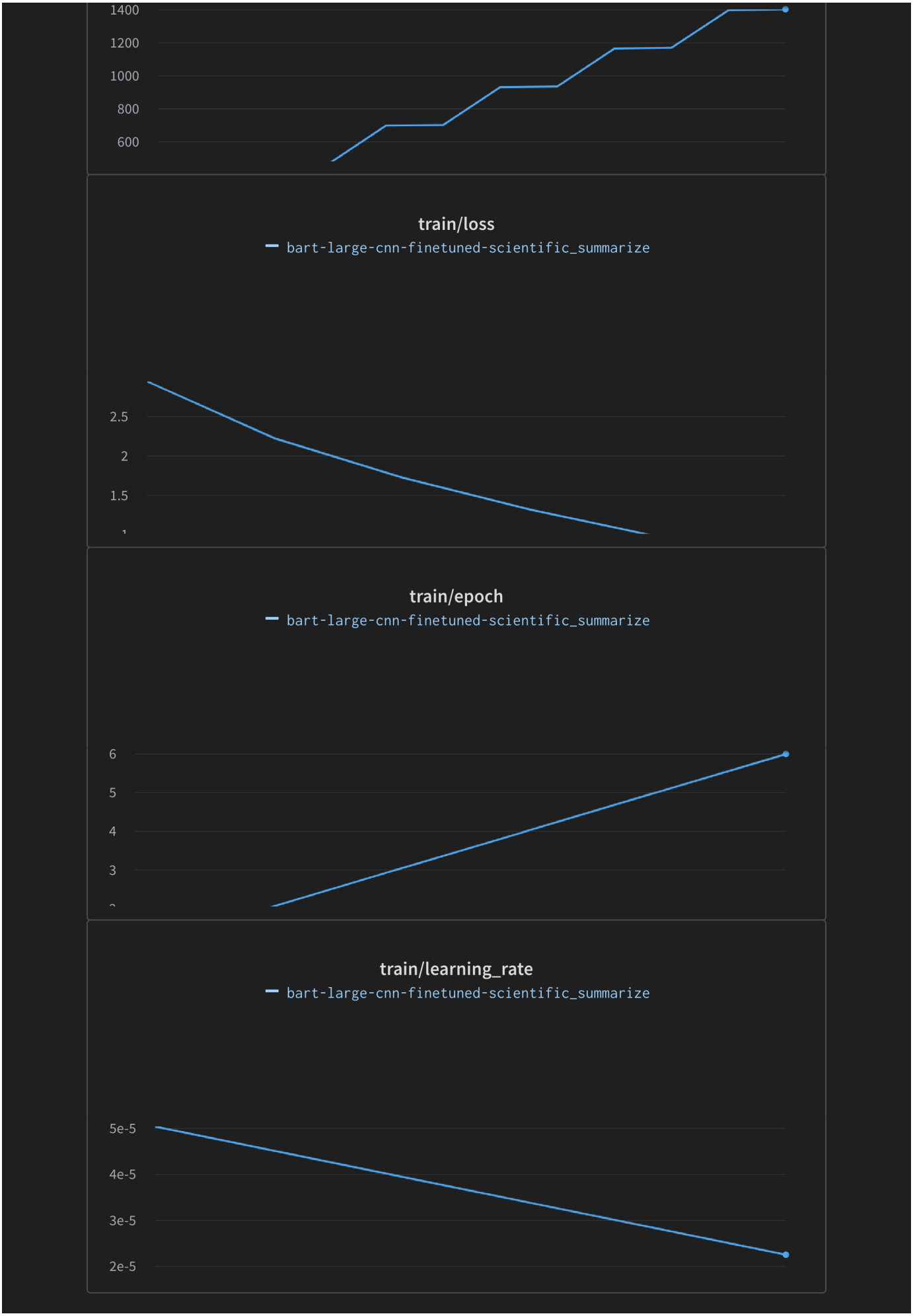

bart-large-cnn-finetuned-scientific_summarize
46
45.5
45
44.5
44
43.5
400
600
800
1k
1.2k
1.4k
train/global_step
eval/rouge2
bart-large-cnn-finetuned-scientific_summarize
13.2
13
12.8
12.6
12.4
12.2
400
600
800
1k
1.2k
1.4k
train/global_step
eval/rougeLsum
bart-large-cnn-finetuned-scientific_summarize
42
41.5
41
40.5
40
39.5
400
600
800
1k
1.2k
1.4k
train/global_step
eval/rougeL
bart-large-cnn-finetuned-scientific_summarize
25
24.5
24
23.5

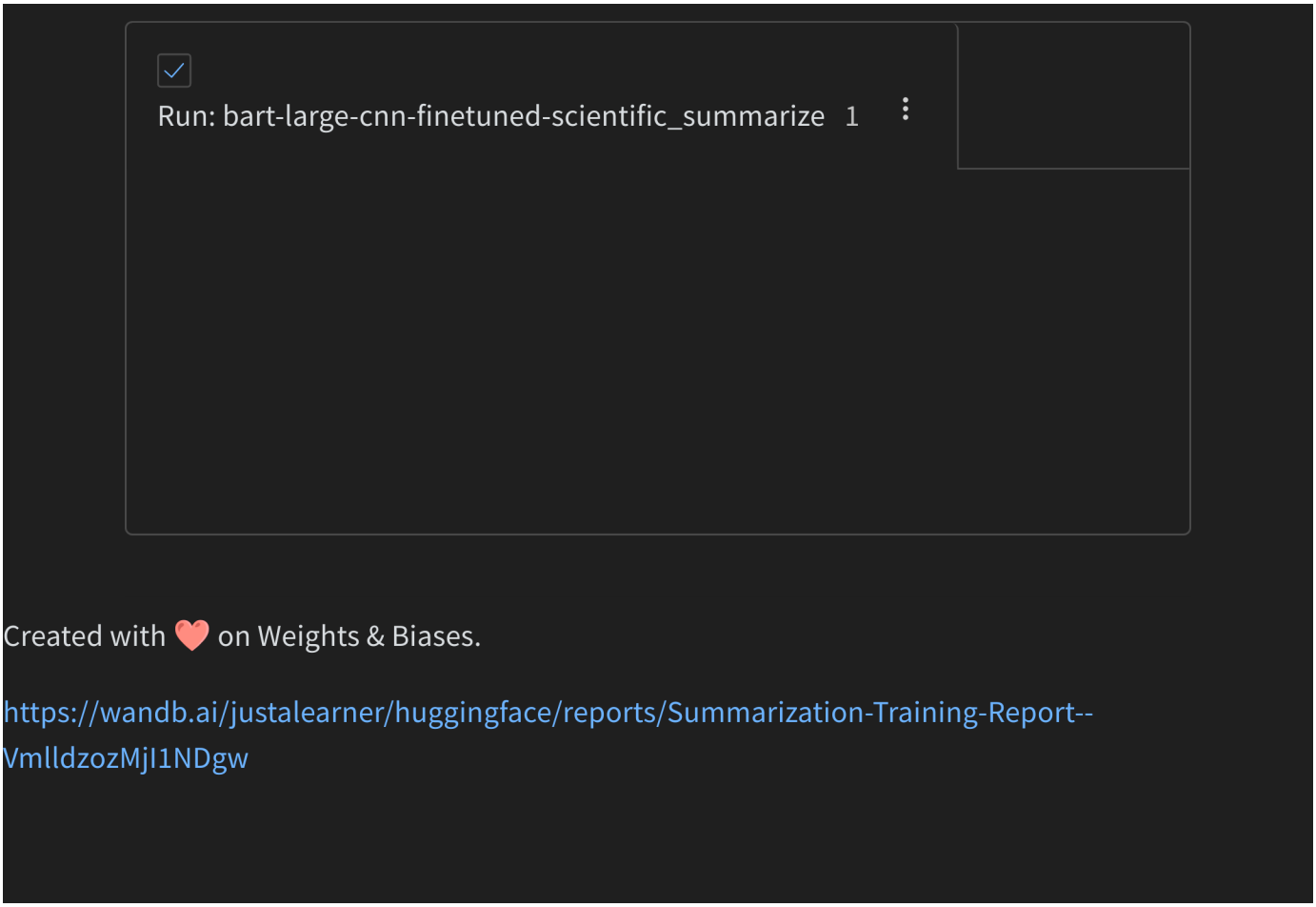






Training Curves


1400
1200
1000
800
600
train/loss
bart-large-cnn-finetuned-scientific_summarize
2.5
2
1.5
train/epoch
bart-large-cnn-finetuned-scientific_summarize
6
5
4
3
train/learning_rate
bart-large-cnn-finetuned-scientific_summarize
5e-5
4e-5
3e-5
2e-5


Run: bart-large-cnn-finetuned-scientific_summarize 1
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https://wandb.ai/justalearner/huggingface/reports/Summarization-Training-Report--VmlldzozMjI1NDgw