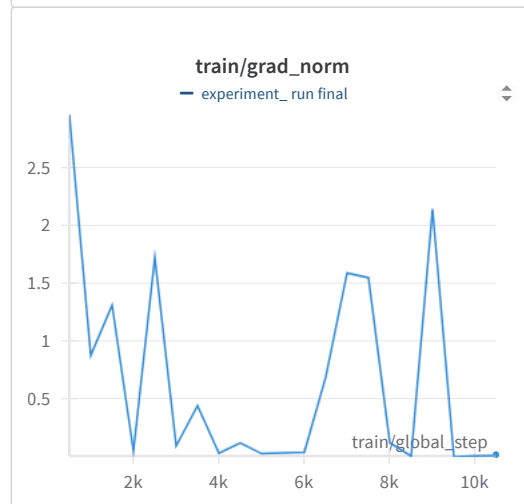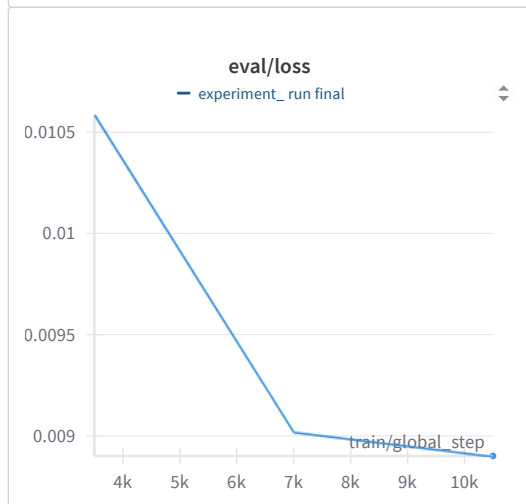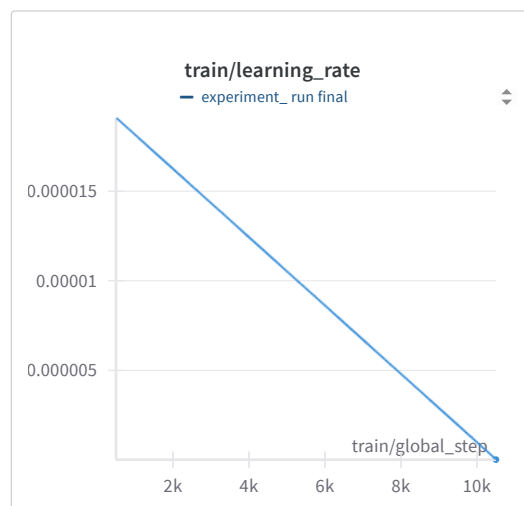# NN HW5
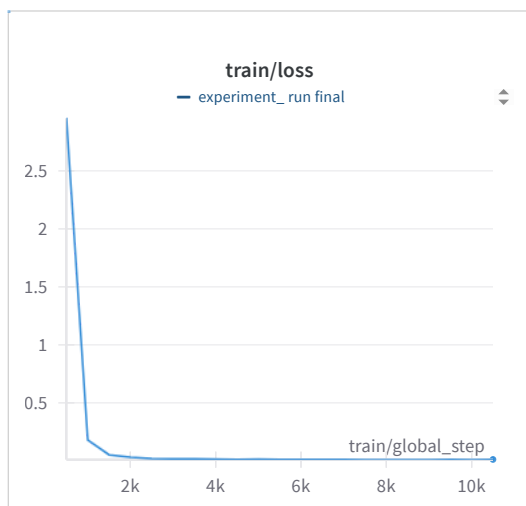
T5 finetuing

Kiarash Astanboos

train and eval plots
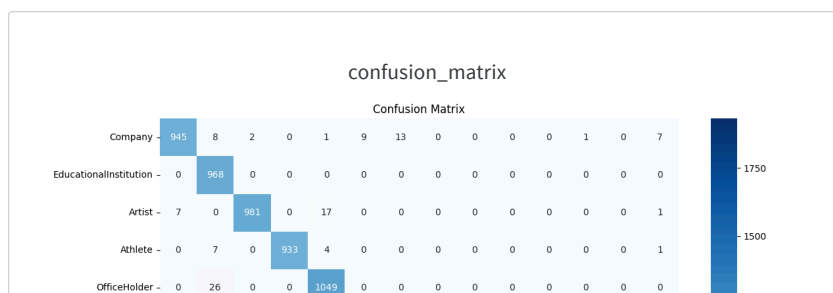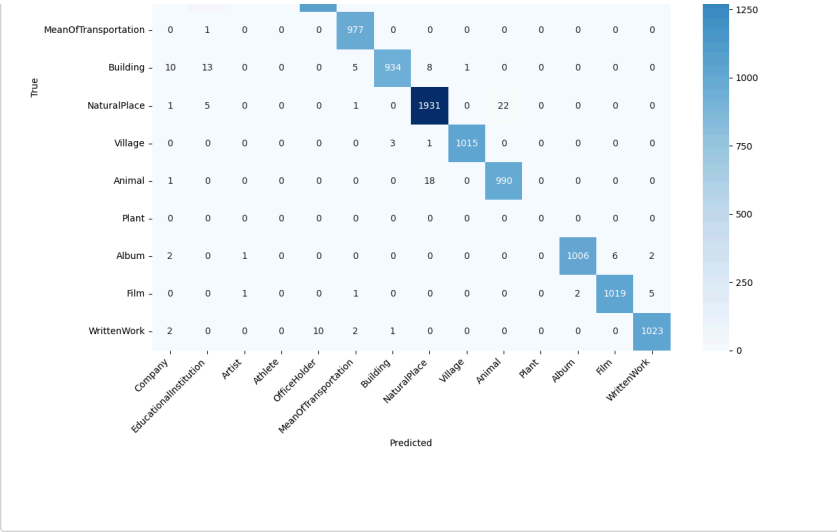

Import panel   Add panel

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Confusion matrix on test data

	Company	EducationalInstitution	Artist	Athlete	OfficeHolder	MeanOfTransportation	Building	NaturalPlace	Village	Animal	Plant	Album	Film	WrittenWork
MeanOfTransportation	0	1	0	0	0	977	0	0	0	0	0	0	0	0
Building	10	13	0	0	0	5	934	8	1	0	0	0	0	0
NaturalPlace	1	5	0	0	0	1	0	1931	0	22	0	0	0	0
Village	0	0	0	0	0	0	3	1	1015	0	0	0	0	0
Animal	1	0	0	0	0	0	0	18	0	990	0	0	0	0
Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Album	2	0	1	0	0	0	0	0	0	0	0	1006	6	2
Film	0	0	1	0	0	1	0	0	0	0	0	2	1019	5
WrittenWork	2	0	0	0	10	2	1	0	0	0	0	0	0	1023

Predicted

Import panel   Add panel

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evaluation on test data

```
runs.summary["class_metrics"]
```

⚙

☰ Filter

	Class	Precision	Recall	F1-Score
2	EducationalInstitution	0.9416	1	0.9699
3	Artist	0.9959	0.9751	0.9854
4	Athlete	1	0.9873	0.9936
5	OfficeHolder	0.9704	0.9758	0.9733
6	MeanOfTransportation	0.9819	0.999	0.9904
7	Building	0.9821	0.9619	0.9719
8	NaturalPlace	0.9862	0.9852	0.9857
9	Village	0.999	0.9961	0.9975
10	Animal	0.9783	0.9812	0.9797
11	Plant	0	0	0
12	Album	0.997	0.9892	0.9933

	WrittenWork	0.9846	0.9855	0.985:
14				

`runs.summary["metrics_table"]` ⚙

≡ Filter

Metric	Value
1 Accuracy	0.983
2 Precision	0.983
3 Recall	0.983
4 F1-Score	0.983

Import panel Add panel

+ ◎