

DevOps for AI/ML model deployment using MLFlow Open Source

Submitted by: Eeshika Pahadia (2019UCS2049), Dhairya Yadav (2019UCS2017), Sarthak Janjuha (2019UCS2005)

The image shows two screenshots of the MLFlow web interface. The top screenshot displays a table of runs, and the bottom screenshot shows the details of a specific run.

Top Screenshot: List of Runs

	Start Time	Duration	Run Name	mae	r2	rmse	alpha	l1_ratio
<input type="checkbox"/>	2 days ago	4.2min	-	0.572	0.22	0.742	0.42	0.1
<input type="checkbox"/>	2 days ago	4.4s	-	0.507	0.382	0.66	0.0	0.0
<input type="checkbox"/>	2 days ago	4.0s	-	0.507	0.382	0.66	0.0	0.2
<input type="checkbox"/>	2 days ago	5.1s	-	0.507	0.382	0.66	0.0	0.5
<input type="checkbox"/>	2 days ago	3.9s	-	0.507	0.382	0.66	0.0	1.0
<input type="checkbox"/>	2 days ago	3.9s	-	0.551	0.272	0.717	0.2	0.0
<input type="checkbox"/>	2 days ago	3.9s	-	0.564	0.237	0.734	0.2	0.2
<input type="checkbox"/>	2 days ago	3.9s	-	0.573	0.221	0.742	0.2	0.5
<input type="checkbox"/>	2 days ago	4.0s	-	0.6	0.165	0.767	0.2	1.0
<input type="checkbox"/>	2 days ago	3.9s	-	0.565	0.238	0.733	0.5	0.0
<input type="checkbox"/>	2 days ago	3.9s	-	0.586	0.194	0.754	0.5	0.2
<input type="checkbox"/>	2 days ago	3.9s	-	0.627	0.109	0.793	0.5	0.5
<input type="checkbox"/>	2 days ago	3.8s	-	0.668	0.017	0.833	0.5	1.0
<input type="checkbox"/>	2 days ago	4.0s	-	0.581	0.201	0.751	1.0	0.0
<input type="checkbox"/>	2 days ago	3.8s	-	0.625	0.111	0.792	1.0	0.2
<input type="checkbox"/>	2 days ago	3.8s	-	0.668	0.017	0.833	1.0	0.5
<input type="checkbox"/>	2 days ago	4.1s	-	0.673	0.017	0.833	1.0	1.0
<input type="checkbox"/>	2 days ago	4.4s	-	0.627	0.109	0.793	0.5	0.5

[Load more](#)

Bottom Screenshot: Run Details

Default > Run 5682a615e2cd4ad99b9c9b88485a5fe4

Run 5682a615e2cd4ad99b9c9b88485a5fe4

Date: 2022-04-24 22:37:38 Source: C:\Users\eeshi\mlflow\examples\sklearn_elasticnet_wine Git Commit: 43237e94af2f52b16776a72c72c12423762a0b37

Entry Point: main User: eeshi Duration: 4.2min

Status: FINISHED Lifecycle Stage: active

Run Command

```
mlflow run file:///C:/Users/eeshi/mlflow/examples/sklearn_elasticnet_wine -v 43237e94af2f52b16776a72c72c12423762a0b37 -b local -P alpha=0.42 -P l1_ratio=0.1
```

Description [Edit](#)

Parameters (2)

- alpha=0.42
- l1_ratio=0.1

Metrics (3)

- mae=0.572
- r2=0.22
- rmse=0.742




MLflow

localhost:5000/#/experiments/0/runs/5682a615e2cd4ad99b9c9b88485a5fe4

Parameters (2)

Name	Value
alpha	0.42
l1_ratio	0.1

Metrics (3)

Name	Value
mae 	0.572
r2 	0.22
rmse 	0.742

Tags

Artifacts