

04/30/2024

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Experiment 0: Run multiple pnodes over different time zones

Objective: As title says, we want to run QLearn on more time frames & pnodes we've amassed. We focus on no tricks & only show LMPs and solar...

PROCEDURE: We only plan to run one trial.

run_id	alg	pnode	season	solar- color	expected runtime (200K steps)
0	QL	PAULSWT-1-N013	W23	0.0	2m (setup) + 10min
1	↑	PAULSWT-1-N013	W23	0.25	
2		PAULSWT-1-N013	W23	0.75	
3		PAULSWT-1-N013	S23	0.0	
4		PAULSWT-1-N013	S23	0.25	
5		PAULSWT-1-N013	S23	0.75	
6		FRE MNT_1-N013	W23	0.0	
7		FRE MNT_1-N013	W23	0.25	
8		FRE MNT_1-N013	W23	0.75	
9		FRE MNT_1-N013	S23	0.0	
10		FRE MNT_1-N013	S23	0.25	
11		FRE MNT_1-N013	S23	0.75	
12		COTWDPGE1-N001	W23	0.0	
13		COTWDPGE1-N001	W23	0.25	
14		COTWDPGE1-N001	W23	0.75	
15		COTWDPGE1-N001	S23	0.0	
16		COTWDPGE1-N001	S23	0.25	
17		COTWDPGE1-N001	S23	0.75	
18		ALAMT3G_7 B1	W23	0.0	
19		ALAMT3G_7 B1	W23	0.25	
20		ALAMT3G_7 B1	W23	0.75	
21		ALAMT3G_7 B1	S23	0.0	
22	↓	ALAMT3G_7 B1	S23	0.25	
23	QL	ALAMT3G_7 B1	S23	0.75	

24	BB	PAULSWT-1-N013	W23	0.0	2m(setup) + 5 min
25	↑	PAULSWT-1-N013	W23	0.25	
26		PAULSWT-1-N013	W23	0.75	
27		PAULSWT-1-N013	S23	0.0	
28		PAULSWT-1-N013	S23	0.25	
29		PAULSWT-1-N013	S23	0.75	
30		FRE MNT-1-N013	W23	0.0	
31		FRE MNT-1-N013	W23	0.25	
32		FRE MNT-1-N013	W23	0.75	
33		FRE MNT-1-N013	S23	0.0	
34		FRE MNT-1-N013	S23	0.25	
35		FRE MNT-1-N013	S23	0.75	
36		COTWDPGE1-N-001	W23	0.0	
37		COTWDPGE1-N-001	W23	0.25	
38		COTWDPGE1-N-001	W23	0.75	
39		COTWDPGE1-N-001	S23	0.0	
40		COTWDPGE1-N-001	S23	0.25	
41		COTWDPGE1-N-001	S23	0.75	
42		ALAMT3G-7 B1	W23	0.0	
43		ALAMT3G-7 B1	W23	0.25	
44		ALAMT3G-7 B1	W23	0.75	
45		ALAMT3G-7 B1	S23	0.0	
46	↓	ALAMT3G-7 B1	S23	0.25	
47	BB	ALAMT3G-7 B1	S23	0.75	

Commit (gym): d48359d  
Commit (battery): b6181b9

QLearn all experiments estimated: 6 hrs → split into two 6hrs  
BB all experiments estimated: 3hr → splint into one 6hr

python script.py/04-30-24/exp0.py --setup --mode validate  
python script.py/04-30-24/exp0.py --run --sub-runs X

X = 0,11 : 25038380 / 25043848