

Explainable POMCP report generated at: 2021-06-30 20:46:53

Rule: 1

Rule action: listen

Rule template:

1. tiger left < α

Rule synthesized:

1. tiger left < 0.85

Figure 1 represents the distribution of Hellinger Distance among anomalies

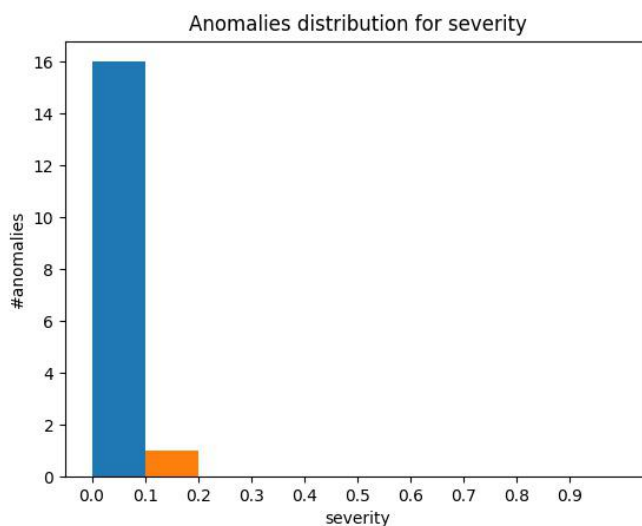


Figure 2 represents the anomaly scatter plot, where each anomaly and in which area it falls into is presented.

In table 1, all the anomalies whose action choosen by the agent is equal to the one analyzed in the rule are shown.

#	Run	Step	Action	Beliefs	Severity
1	run 48	4	listen	tiger left: 0.97 tiger right: 0.03	0.16
2	run 29	1	listen	tiger left: 0.86 tiger right: 0.14	0.01
3	run 4	1	listen	tiger left: 0.85 tiger right: 0.15	0.01
4	run 34	1	listen	tiger left: 0.85 tiger right: 0.15	0.01
5	run 77	3	listen	tiger left: 0.85 tiger right: 0.15	0.01
6	run 63	1	listen	tiger left: 0.85 tiger right: 0.15	0.01
7	run 50	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
8	run 22	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
9	run 48	3	listen	tiger left: 0.85 tiger right: 0.15	0.0
10	run 7	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
11	run 25	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
12	run 40	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
13	run 52	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
14	run 71	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
15	run 9	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
16	run 84	1	listen	tiger left: 0.85 tiger right: 0.15	0.0
17	run 53	1	listen	tiger left: 0.85 tiger right: 0.15	0.0

Table 1.

In table 2, all the anomalies whose action chosen by the agent is different to the one analyzed in the rule are shown.

#	Run	Step	Action	Beliefs
1	run 1	2	open left	tiger left: 0.03 tiger right: 0.97
2	run 2	1	open left	tiger left: 0.16 tiger right: 0.84
3	run 6	1	open right	tiger left: 0.85 tiger right: 0.15
4	run 8	2	open left	tiger left: 0.03 tiger right: 0.97

5	run 10	1	open left	tiger left: 0.15 tiger right: 0.85
6	run 13	2	open left	tiger left: 0.03 tiger right: 0.97
7	run 16	1	open right	tiger left: 0.85 tiger right: 0.15
8	run 18	1	open right	tiger left: 0.85 tiger right: 0.15
9	run 19	1	open left	tiger left: 0.15 tiger right: 0.85
10	run 20	1	open left	tiger left: 0.14 tiger right: 0.86
11	run 26	2	open left	tiger left: 0.03 tiger right: 0.97
12	run 28	1	open left	tiger left: 0.15 tiger right: 0.85
13	run 30	1	open right	tiger left: 0.84 tiger right: 0.16
14	run 33	1	open left	tiger left: 0.16 tiger right: 0.84
15	run 35	1	open left	tiger left: 0.14 tiger right: 0.86
16	run 36	1	open left	tiger left: 0.15 tiger right: 0.85
17	run 37	2	open left	tiger left: 0.03 tiger right: 0.97
18	run 38	1	open left	tiger left: 0.15 tiger right: 0.85
19	run 39	1	open left	tiger left: 0.15 tiger right: 0.85
20	run 42	2	open left	tiger left: 0.03 tiger right: 0.97
21	run 43	2	open left	tiger left: 0.03 tiger right: 0.97
22	run 44	1	open left	tiger left: 0.15 tiger right: 0.85
23	run 45	2	open left	tiger left: 0.03 tiger right: 0.97
24	run 46	1	open left	tiger left: 0.15 tiger right: 0.85
25	run 54	2	open right	tiger left: 0.5 tiger right: 0.5
26	run 57	1	open left	tiger left: 0.15 tiger right: 0.85
27	run 58	2	open left	tiger left: 0.02 tiger right: 0.98
28	run 59	1	open left	tiger left: 0.15 tiger right: 0.85
29	run 60	2	open left	tiger left: 0.03 tiger right: 0.97

30	run 61	1	open left	tiger left: 0.15 tiger right: 0.85
31	run 64	2	open left	tiger left: 0.03 tiger right: 0.97
32	run 65	2	open left	tiger left: 0.03 tiger right: 0.97
33	run 66	1	open right	tiger left: 0.84 tiger right: 0.16
34	run 67	2	open left	tiger left: 0.03 tiger right: 0.97
35	run 68	1	open left	tiger left: 0.14 tiger right: 0.86
36	run 69	1	open left	tiger left: 0.15 tiger right: 0.85
37	run 70	1	open left	tiger left: 0.15 tiger right: 0.85
38	run 78	1	open left	tiger left: 0.15 tiger right: 0.85
39	run 79	1	open left	tiger left: 0.15 tiger right: 0.85
40	run 80	1	open left	tiger left: 0.15 tiger right: 0.85
41	run 81	1	open left	tiger left: 0.15 tiger right: 0.85
42	run 82	2	open left	tiger left: 0.03 tiger right: 0.97
43	run 83	1	open left	tiger left: 0.15 tiger right: 0.85
44	run 86	2	open left	tiger left: 0.03 tiger right: 0.97
45	run 87	1	open left	tiger left: 0.15 tiger right: 0.85
46	run 88	1	open left	tiger left: 0.15 tiger right: 0.85
47	run 89	1	open left	tiger left: 0.15 tiger right: 0.85
48	run 90	1	open left	tiger left: 0.15 tiger right: 0.85
49	run 91	1	open left	tiger left: 0.15 tiger right: 0.85
50	run 92	1	open left	tiger left: 0.15 tiger right: 0.85
51	run 93	1	open left	tiger left: 0.15 tiger right: 0.85
52	run 95	1	open left	tiger left: 0.15 tiger right: 0.85
53	run 97	2	open left	tiger left: 0.03 tiger right: 0.97
54	run 101	1	open left	tiger left: 0.15 tiger right: 0.85

Table 2.