Primo test: trovare anomalie in steps a velocità 2

Rule template: go at speed 2 if P_0 >= x_1 or
P_2 <= x_2 or (P_0 >= x_3 and P_1 >= x_4)
and x_1 >= 0.70

Rule: go at speed 2 if P_0 >= 0.88 or
P_2 <= 0.017 or (P_0 >= 0.714 and P_1 >= 0.113)

Anomalies: (0) ANOMALY: run .\example_velreg_trace\Run_5 step 0:
action 2 with belief P_0 = 0.335 P_1 = 0.331 P_2 = 0.334 --- Hellinger = 0.276369781773207

(Not) Anomalies: (1)run .\example_velreg_trace\Run_9 step 12:
action 2 with belief P_0 = 0.678 P_1 = 0.228 P_2 = 0.094 --- Hellinger = 0.03181114656894828

Secondo test: trovare anomalie in steps a velocità 0

Rule template: go at speed 0 if P_2 >= x_1 or
P_0 <= X_2 or (P_1 >= x_3 and P_2 >= x_4) and x_1 >= 0.70

Rule: go at speed 0 if P_2 >= 0.70 or
P_0 <= 0.617 or (P_1 >= 0.889 and P_2 >= 0.111) and x_1 >= 0.70

Anomalies:

(0)ANOMALY: run .\example_velreg_trace\Run_5 step 18:
action 0 with belief P_0 = 0.869 P_1 = 0.110 P_2 = 0.021 --- Hellinger= 0.14

(1)ANOMALY: run .\example_velreg_trace\Run_6 step 26:
action 0 with belief P_0 = 0.865 P_1 = 0.109 P_2 = 0.026 --- Hellinger = 0.129

Total Anomalies: 39/350

Secondo test: trovare anomalie in steps a velocità 0

(Not) Anomalies:

(2)run .\example_velreg_trace\Run_7 step 22:
action 0 with belief P_0 = 0.686 P_1 = 0.227 P_2 = 0.087 --- Hellinger = 0.03

(3)run .\example_velreg_trace\Run_9 step 17:
action 0 with belief P_0 = 0.691 P_1 = 0.217 P_2 = 0.092 --- Hellinger = 0.024

Different action:

(6) run .\example_velreg_trace\Run_0 step 11:
action 1 with belief P_0 = 0.315 P_1 = 0.318 P_2 = 0.368

(27) run .\example_velreg_trace\Run_6 step 22:
action 1 with belief P_0 = 0.089 P_1 = 0.410 P_2 = 0.501

Terzo test: trovare anomalie in velocità [0,1]

Rule template: go at speed 0 or 1 if P_2 >= x_1 or
P_0 <= x_2 or (P_1 >= x_3 and P_2 >= x_4)

Rule: go at speed 0 or 1 if P_2 >= 0.071 or
P_0 <= 0.733 or (P_1 >= 0.887 and P_2 >= 0.071)

Anomalies: (0)ANOMALY: run .\example_velreg_trace\Run_9 step 18:
action 1 with belief P_0 = 0.879 P_1 = 0.103 P_2 = 0.018 --- Hellinger = 0.10

(Not) Anomalies: (1)run .\example_velreg_trace\Run_5 step 19:
action 1 with belief P_0 = 0.872 P_1 = 0.107 P_2 = 0.021 --- Hellinger = 0.095

Total Anomalies: 7/350

Terzo test: trovare anomalie in steps a velocità [0,1]

(Not) Anomalies:

(1)run .\example_velreg_trace\Run_5 step 19:
action 1 with belief P_0 = 0.872 P_1 = 0.107 P_2 = 0.021 --- Hellinger = 0.095

Different action:

(5) run .\example_velreg_trace\Run_5 step 0:
action 2 with belief P_0 = 0.335 P_1 = 0.331 P_2 = 0.334

(6) run .\example_velreg_trace\Run_9 step 12:
action 2 with belief P_0 = 0.678 P_1 = 0.228 P_2 = 0.094

Quarto test: trovare anomalie in steps a velocità 1

Rule template: go at speed 1 if P_0 >= x_1 or
(P_1 <= x_2 and P_2 <= x_3)

Rule: go at speed 1 if P_0 >= 0.986 or
(P_1 <= 0.012 and P_2 = 0)

Anomalies: (0)ANOMALY: run .\example_velreg_trace\Run_9 step 22:
action 1 with belief P_0 = 0.088 P_1 = 0.519 P_2 = 0.393 --- Hellinger = 0.485560892316574 8

(38)ANOMALY: run .\example_velreg_trace\Run_5 step 19: action 1 with belief P_0 = 0.872 P_1 = 0.107 P_2 = 0.021 --- Hellinger = 0.10098772789613501

Total Anomalies: 42/350