

Initializing beliefs with a Uniform Distribution

Uniform Belief with each cell value: 0.0001388888888888889

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Update Step

| Update Time: 0.025026798248291016

----- UPDATE STATS -----

GT index : (10, 10, 13)

Bel index : (10, 13, 15) with prob = 0.9997148

Bel\_bar prob at index = 0.0001388888888888889

GT : (0.000, 0.000, 90.000)

Belief : (0.069, 0.262, 130.000)

POS ERROR : (-0.069, -0.262, -40.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.0035287999046416277

| Prediction Time: 2.1933295726776123

----- PREDICTION STATS -----

GT index : (9, 15, 2)

Prior Bel index : (10, 14, 8) with prob = 0.0006394

POS ERROR : (-0.196, 0.094, -120.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.025020122528076172

----- UPDATE STATS -----

GT index : (9, 15, 2)

Bel index : (8, 17, 16) with prob = 0.6282559

Bel\_bar prob at index = 0.0003867482614839097

GT : (-0.127, 0.432, -130.000)

Belief : (-0.206, 0.562, 150.000)

POS ERROR : (0.079, -0.130, -280.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.010699631440277683

| Prediction Time: 1.984802484512329

----- PREDICTION STATS -----

GT index : (1, 14, 2)

Prior Bel index : (8, 14, 14) with prob = 0.0007329

POS ERROR : (-0.912, 0.018, -240.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.024304866790771484

----- UPDATE STATS -----

GT index : (1, 14, 2)

Bel index : (3, 17, 2) with prob = 0.9999999

Bel\_bar prob at index = 0.00019688077088706883

GT : (-1.118, 0.356, -130.000)

Belief : (-0.894, 0.562, -130.000)

POS ERROR : (-0.224, -0.206, 0.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.04417260260633321

| Prediction Time: 0.9612395763397217

----- PREDICTION STATS -----

GT index : (1, 4, 2)

Prior Bel index : (4, 18, 7) with prob = 0.0007519

POS ERROR : (-0.387, -1.043, -100.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.026959896087646484

----- UPDATE STATS -----

GT index : (1, 4, 2)

Bel index : (3, 5, 7) with prob = 0.9533254

Bel\_bar prob at index = 0.00016392792696950812

GT : (-1.143, -0.406, -130.000)

Belief : (-0.894, -0.338, -30.000)

POS ERROR : (-0.249, -0.069, -100.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.3269776981849589

| Prediction Time: 1.8860642910003662

----- PREDICTION STATS -----

GT index : (9, 7, 2)

Prior Bel index : (3, 8, 7) with prob = 0.0005834

POS ERROR : (0.767, -0.065, -100.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.019426345825195312

----- UPDATE STATS -----

GT index : (9, 7, 2)

Bel index : (8, 3, 17) with prob = 0.9999999

Bel\_bar prob at index = 0.00030480864697707044

GT : (-0.127, -0.178, -130.000)

Belief : (-0.206, -0.488, 170.000)

POS ERROR : (0.079, 0.310, -300.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.12589629601967933

| Prediction Time: 0.8771469593048096

----- PREDICTION STATS -----

GT index : (10, 15, 11)

Prior Bel index : (7, 3, 16) with prob = 0.0005797

POS ERROR : (0.420, 0.869, -100.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.033800601959228516

----- UPDATE STATS -----

GT index : (10, 15, 11)

Bel index : (11, 15, 7) with prob = 0.9981870

Bel\_bar prob at index = 9.690556959746473e-05

GT : (0.076, 0.381, 50.000)

Belief : (0.206, 0.412, -30.000)

POS ERROR : (-0.130, -0.031, 80.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 0.0016592915034403842

| Prediction Time: 1.797257900238037

----- PREDICTION STATS -----

GT index : (14, 15, 11)

Prior Bel index : (11, 14, 8) with prob = 0.0005784

POS ERROR : (0.353, 0.043, 60.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.022290468215942383

----- UPDATE STATS -----

GT index : (14, 15, 11)

Bel index : (16, 15, 6) with prob = 0.8902130

Bel\_bar prob at index = 0.00020087496481371053

GT : (0.559, 0.381, 50.000)

Belief : (0.894, 0.412, -50.000)

POS ERROR : (-0.335, -0.031, 100.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 3.3068468278526005e-05

| Prediction Time: 1.7507050037384033

----- PREDICTION STATS -----

GT index : (17, 8, 11)

Prior Bel index : (15, 13, 5) with prob = 0.0005559

POS ERROR : (0.285, -0.364, 120.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.022135496139526367

----- UPDATE STATS -----

GT index : (17, 8, 11)

Bel index : (17, 9, 3) with prob = 0.9990782

Bel\_bar prob at index = 0.00039769908420278114

GT : (1.041, -0.102, 50.000)

Belief : (1.031, -0.038, -110.000)

POS ERROR : (0.010, -0.064, 160.000)

----- UPDATE STATS -----

Prediction Step

Uniform Belief with each cell value: 5.937433325766598e-05

| Prediction Time: 1.7654139995574951

----- PREDICTION STATS -----

GT index : (13, 4, 11)

Prior Bel index : (15, 10, 10) with prob = 0.0006107

POS ERROR : (-0.324, -0.469, 20.000)

----- PREDICTION STATS -----

Update Step

| Update Time: 0.02112269401550293

----- UPDATE STATS -----

GT index : (13, 4, 11)  
Bel index : (12, 7, 14) with prob = 0.9999999  
Bel\_bar prob at index = 0.00038541975062181955

GT : (0.432, -0.432, 50.000)  
Belief : (0.344, -0.187, 110.000)  
POS ERROR : (0.088, -0.245, -60.000)  
----- UPDATE STATS -----