Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=2

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	6996.00
9726.00	74.00
24 366.00	334.00
32 124.00	5524.00
33 886.00	7286.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
9800.00	74.00
24 700.00	334.00
26 600.00	2234.00
"AvgPosConf	0.02"
"MaxPosConf	0.07"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	1500.00
18 484.00	8984.00
20 246.00	10 746.00
41 154.00	31 654.00
43 198.00	33 698.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
9500.00	1500.00
"AvgPosConf	0.02"
"MaxPosConf	0.02"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=10

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	7196.00
9726.00	274.00
24 366.00	334.00
32 124.00	276.00
33 886.00	1486.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
10 000.00	274.00
24 700.00	334.00
31 300.00	824.00
32 400.00	276.00
40 900.00	7014.00
"AvgPosConf	0.24"
"MaxPosConf	0.62"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	0.00
18 484.00	116.00
20 246.00	1646.00
41 154.00	22 554.00
43 198.00	24 598.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2400.00	8600.00
11 000.00	0.00
17 500.00	984.00
18 600.00	116.00
"AvgPosConf	0.19"
"MaxPosConf	0.70"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=50

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	7196.00
9726.00	274.00
24 366.00	334.00
32 124.00	2076.00
33 886.00	314.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
10 000.00	274.00
24 700.00	334.00
34 200.00	314.00
40 900.00	7014.00
"AvgPosConf	0.62"
"MaxPosConf	0.93"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	7300.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	46.00
43 198.00	1998.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
18 300.00	184.00
41 200.00	46.00
"AvgPosConf	0.42"
"MaxPosConf	0.71"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=100

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	7196.00
9726.00	274.00
24 366.00	334.00
32 124.00	2076.00
33 886.00	314.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
10 000.00	274.00
24 700.00	334.00
34 200.00	314.00
40 900.00	7014.00
"AvgPosConf	0.77"
"MaxPosConf	0.99"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	7300.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	46.00
43 198.00	1998.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
18 300.00	184.00
41 200.00	46.00
"AvgPosConf	0.86"
"MaxPosConf	0.92"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=200

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	7424.00
33 886.00	6914.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
40 800.00	6914.00
40 900.00	7014.00
"AvgPosConf	0.70"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	7300.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	254.00
43 198.00	2298.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
18 300.00	184.00
40 800.00	354.00
40 900.00	254.00
"AvgPosConf	0.98"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=500

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	7424.00
33 886.00	6914.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
40 800.00	6914.00
40 900.00	7014.00
43 000.00	9114.00
"AvgPosConf	0.79"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	7300.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	254.00
43 198.00	198.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
18 300.00	184.00
40 800.00	354.00
40 900.00	254.00
43 000.00	198.00
"AvgPosConf	0.98"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=1000

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	1976.00
33 886.00	214.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
34 100.00	214.00
40 900.00	7014.00
"AvgPosConf	0.99"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	7300.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	254.00
43 198.00	198.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
18 300.00	184.00
24 000.00	3754.00
24 100.00	3854.00
40 900.00	254.00
43 000.00	198.00
"AvgPosConf	0.68"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=5000

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	2076.00
33 886.00	314.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
34 200.00	314.00
40 900.00	7014.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	0.00
18 484.00	184.00
20 246.00	1946.00
41 154.00	254.00
43 198.00	198.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
11 000.00	0.00
17 900.00	584.00
18 300.00	184.00
24 100.00	3854.00
40 900.00	254.00
41 900.00	746.00
43 000.00	198.00
"AvgPosConf	0.89"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=10000

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	1576.00
33 886.00	186.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
33 700.00	186.00
40 900.00	7014.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	100.00
18 484.00	116.00
20 246.00	1646.00
41 154.00	254.00
43 198.00	498.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
10 900.00	100.00
17 900.00	584.00
18 600.00	116.00
24 100.00	3854.00
40 900.00	254.00
42 700.00	498.00
"AvgPosConf	0.89"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 20000,
getSpottingsNowTime = 10000,
peakThres=5 (500 meters both sides)
PosConf calculated for each point at distance of= 100 meters
Starting time gap between trains=30 min (1800 sec)
Halt_time_of_Train = 20 sec
Speed_of_The_Train = 14 m/sec (50.4 km/h)

0.1 No. of passengers=50000

0.1.1 harbour up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
2804.00	296.00
9726.00	274.00
24 366.00	334.00
32 124.00	1276.00
33 886.00	486.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
3100.00	296.00
10 000.00	274.00
24 700.00	334.00
33 400.00	486.00
40 900.00	7014.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 harbour down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
11 000.00	100.00
18 484.00	584.00
20 246.00	646.00
41 154.00	254.00
43 198.00	298.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
2600.00	8400.00
10 900.00	100.00
17 900.00	584.00
19 600.00	646.00
24 100.00	3854.00
40 900.00	254.00
42 900.00	298.00
"AvgPosConf	0.96"
"MaxPosConf	1.00"