Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	21 444.00
22 642.00	158.00
64 544.00	156.00
88 906.00	24 206.00
112 980.00	48 280.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
22 800.00	158.00
64 700.00	156.00
"AvgPosConf	0.15"
"MaxPosConf	0.22"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	22 026.00
66 124.00	45 824.00
85 586.00	65 286.00
109 942.00	89 642.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
19 600.00	42.00
20 300.00	658.00
"AvgPosConf	0.22"
"MaxPosConf	0.24"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	23 880.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
"AvgPosConf	0.50"
"MaxPosConf	0.93"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	19 376.00
85 586.00	86.00
109 942.00	24 442.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
85 500.00	86.00
"AvgPosConf	0.31"
"MaxPosConf	0.79"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	21 444.00
22 642.00	158.00
64 544.00	156.00
88 906.00	24 194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
22 800.00	158.00
64 700.00	156.00
113 100.00	120.00
"AvgPosConf	0.47"
"MaxPosConf	0.96"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	19 276.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
42 300.00	26.00
85 400.00	186.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.76"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	23 880.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
"AvgPosConf	0.65"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	19 276.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
85 400.00	186.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.73"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
113 100.00	120.00
"AvgPosConf	0.57"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	19 276.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
85 400.00	186.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.84"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
113 100.00	120.00
"AvgPosConf	0.77"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	24.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
66 100.00	24.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.88"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
113 100.00	120.00
"AvgPosConf	0.93"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	24.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
66 100.00	24.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.92"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	156.00
88 906.00	194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 700.00	156.00
89 100.00	194.00
113 100.00	120.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	24.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
66 100.00	24.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	0.96"
"MaxPosConf	1.00"

Num of Trains=10 (5 up, 5 down)
End_sim_time = 30000,
getSpottingsNowTime = 21000,
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 western up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
1356.00	144.00
22 642.00	158.00
64 544.00	44.00
88 906.00	194.00
112 980.00	120.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
1500.00	144.00
22 800.00	158.00
64 500.00	44.00
64 800.00	256.00
89 100.00	194.00
113 100.00	120.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 western down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
19 642.00	42.00
42 326.00	26.00
66 124.00	24.00
85 586.00	86.00
109 942.00	42.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
1200.00	18 442.00
19 600.00	42.00
22 200.00	2558.00
42 300.00	26.00
66 100.00	24.00
85 500.00	86.00
109 900.00	42.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"