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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	9214.00
15 202.00	298.00
28 116.00	6084.00
33 886.00	314.00
51 074.00	16 874.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
15 500.00	298.00
34 200.00	314.00
"AvgPosConf	0.48"
"MaxPosConf	0.84"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	202.00
28 198.00	198.00
33 954.00	5954.00
50 882.00	22 882.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
14 800.00	202.00
28 000.00	198.00
"AvgPosConf	0.15"
"MaxPosConf	0.18"

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 central up route

Table 1: Ground truth value

$Positions$ m	$NearestEstDis$ m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	16 874.00

Table 2: Estimated Value

$Positions$ m	$NearestTruthDis$ m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
"AvgPosConf	0.78"
"MaxPosConf	0.96"

0.1.2 central down route

Table 3: Ground truth value

$Positions$ m	$NearestEstDis$ m
6084.00	284.00
15 002.00	9202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

$Positions$ m	$NearestTruthDis$ m
5800.00	284.00
27 900.00	298.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	0.65"
"MaxPosConf	0.74"

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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	374.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
50 700.00	374.00
"AvgPosConf	0.75"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	9202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
27 900.00	298.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	0.93"
"MaxPosConf	0.98"

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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	374.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
50 700.00	374.00
"AvgPosConf	0.92"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	9202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
27 900.00	298.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	326.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
51 400.00	326.00
"AvgPosConf	0.99"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	8716.00
15 002.00	202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
14 800.00	202.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	326.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
51 400.00	326.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	9202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
27 800.00	398.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	326.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
51 400.00	326.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
14 800.00	202.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	226.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
51 300.00	226.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
14 800.00	202.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"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 central up route

Table 1: Ground truth value

Positions m	*NearestEstDis* m
6286.00	314.00
15 202.00	298.00
28 116.00	284.00
33 886.00	314.00
51 074.00	326.00

Table 2: Estimated Value

Positions m	*NearestTruthDis* m
6600.00	314.00
15 500.00	298.00
28 400.00	284.00
34 200.00	314.00
51 400.00	326.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"

0.1.2 central down route

Table 3: Ground truth value

Positions m	*NearestEstDis* m
6084.00	284.00
15 002.00	202.00
28 198.00	198.00
33 954.00	254.00
50 882.00	17 182.00

Table 4: Estimated Value

Positions m	*NearestTruthDis* m
5800.00	284.00
14 800.00	202.00
28 000.00	198.00
33 700.00	254.00
"AvgPosConf	1.00"
"MaxPosConf	1.00"