Homework 7

Due Wednesday Oct 16, 2019

Eric Bae

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For each assignment, turn in by the due date/time. Late assignments must be arranged prior to submission. In every case, assignments are to be typed neatly using proper English in Markdown.

This week, we spoke about parallelizing our R code. To do this homework, we will use ARC resources. I have added you to an "allocation" called arc-train4. If you go to ondemand.arc.vt.edu, use the Rstudio interactive app on Cascades, use the basic bio version of R, arc-train4 as the account, request 10 cores for 48 hours. The first time you do this, it will take 4-20 min to create the image being used, after that, it should be quick.

Problem 1

Create a new R Markdown file within your local GitHub repo folder (file–>new–>R Markdown–>save as).

The filename should be: HW7_lastname, i.e. for me it would be HW3_Settlage

You will use this new R Markdown file to solve the following problems.

Problem 2

Bootstrapping

Recall the sensory data from five operators:
http://www2.isye.gatech.edu/~jeffwu/wuhamadabook/data/Sensory.dat

Sometimes, you really want more data to do the desired analysis, but going back to the "field" is often not an option. An often used method is bootstrapping. Check out the second answer here for a really nice and detailed description of bootstrapping: https://stats.stackexchange.com/questions/316483/manually-bootstrapping-linear-regression-in-r.

What we want to do is bootstrap the Sensory data to get non-parametric estimates of the parameters. Assume that we can neglect item in the analysis such that we are really only interested in a linear model lm(y~operator).

```
# Sensory Table
sensory.url <- "http://www2.isye.gatech.edu/~jeffwu/wuhamadabook/data/Sensory.dat"

# Importing data as dataframe
sensory <- as.data.frame(fread(sensory.url, fill = TRUE, skip = 2))
N <- nrow(sensory) # Number of rows = 30
D <- ncol(sensory) - 1 # Number of objectives/variables = 5

# Rearranging data so that NA goes to the first row
for (i in 1:N) {
  if (is.na(sensory$V6[i])) {
    sensory[i,-1] <- sensory[i,1:D]
```

```
    sensory[i,1] <- NA
  }
}

# Total number of items = 10
I <- length(sensory$V1[which(is.na(sensory$V1) == FALSE)])

# Reorganizes item
sensory$V1 <- rep(1:I, each = 3)

# Tidying up, one column by column
Item <- sort(rep(sensory$V1, each = D))
#Observation <- rep(rep(1:3, each = 5), I)
Operator <- rep(rep(1:D), 3*I)
Dat <- c(t(sensory[,-1]))

# Combining the columns
#sensory <- as_tibble(cbind(Item, Observation, Operator, Dat))
sensory <- as_tibble(cbind(Item, Operator, Dat))
pander(sensory)
```

Item	Operator	Dat
1	1	4.3
1	2	4.9
1	3	3.3
1	4	5.3
1	5	4.4
1	1	4.3
1	2	4.5
1	3	4
1	4	5.5
1	5	3.3
1	1	4.1
1	2	5.3
1	3	3.4
1	4	5.7
1	5	4.7
2	1	6
2	2	5.3
2	3	4.5
2	4	5.9
2	5	4.7
2	1	4.9
2	2	6.3
2	3	4.2
2	4	5.5
2	5	4.9
2	1	6
2	2	5.9
2	3	4.7
2	4	6.3
2	5	4.6
3	1	2.4

Item	Operator	Dat
3	2	2.5
3	3	2.3
3	4	3.1
3	5	2.4
3	1	3.9
3	2	3
3	3	2.8
3	4	2.7
3	5	1.3
3	1	1.9
3	2	3.9
3	3	2.6
3	4	4.6
3	5	2.2
4	1	7.4
4	2	8.2
4	3	6.4
4	4	6.8
4	5	6
4	1	7.1
4	2	7.9
4	3	5.9
4	4	7.3
4	5	6.1
4	1	6.4
4	2	7.1
4	3	6.9
4	4	7
4	5	6.7
5	1	5.7
5	2	6.3
5	3	5.4
5	4	6.1
5	5	5.9
5	1	5.8
5	2	5.7
5	3	5.4
5	4	6.2
5	5	6.5
5	1	5.8
5	2	6
5	3	6.1
5	4	7
5	5	4.9
6	1	2.2
6	2	2.4
6	3	1.7
6	4	3.4
6	5	1.7
6	1	3
6	2	1.8
6	3	2.1

Item	Operator	Dat
6	4	4
6	5	1.7
6	1	2.1
6	2	3.3
6	3	1.1
6	4	3.3
6	5	2.1
7	1	1.2
7	2	1.5
7	3	1.2
7	4	0.9
7	5	0.7
7	1	1.3
7	2	2.4
7	3	0.8
7	4	1.2
7	5	1.3
7	1	0.9
7	2	3.1
7	3	1.1
7	4	1.9
7	5	1.6
8	1	4.2
8	2	4.8
8	3	4.5
8	4	4.6
8	5	3.2
8	1	3
8	2	4.5
8	3	4.7
8	4	4.9
8	5	4.6
8	1	4.8
8	2	4.8
8	3	4.7
8	4	4.8
8	5	4.3
9	1	8
9	2	8.6
9	3	9
9	4	9.4
9	5	8.8
9	1	9
9	2	7.7
9	3	6.7
9	4	9
9	5	7.9
9	1	8.9
9	2	9.2
9	3	8.1
9	4	9.1
9	5	7.6

Item	Operator	Dat
10	1	5
10	2	4.8
10	3	3.9
10	4	5.5
10	5	3.8
10	1	5.4
10	2	5
10	3	3.4
10	4	4.9
10	5	4.6
10	1	2.8
10	2	5.2
10	3	4.1
10	4	3.9
10	5	5.5

Part a. First, the question asked in the stackexchange was why is the supplied code not working. This question was actually never answered. What is the problem with the code? If you want to duplicate the code to test it, use the quantreg package to get the data.

```
#1)fetch data from Yahoo
#AAPL prices
apple08 <- getSymbols('AAPL', auto.assign = FALSE,
                      from = '2008-1-1', to = "2008-12-31")[,6]
#market proxy
rm08 <- getSymbols('^ixic', auto.assign = FALSE,
                   from = '2008-1-1', to = "2008-12-31")[,6]

#log returns of AAPL and market
logapple08 <- na.omit(ROC(apple08)*100)
logrm08 <- na.omit(ROC(rm08)*100)

#OLS for beta estimation
beta_AAPL_08 <- summary(lm(logapple08 ~ logrm08))$coefficients[2,1]

#create df from AAPL returns and market returns
df08 <- cbind(logapple08,logrm08)
set.seed(666)

Boot <- 1000
sd.boot <- rep(0, Boot)
for (i in 1:Boot){
# nonparametric bootstrap
bootdata <- df08[sample(nrow(df08), size = 251, replace = TRUE),]
sd.boot[i] <- coef(summary(lm(AAPL.Adjusted ~ IXIC.Adjusted, data = bootdata)))[2,2]
}

#sd.boot
```

It was not working because the variable names were not what was given in the `bootdata` when performing lm. After specifying the data set in lm, it worked.

Part b. Bootstrap the analysis to get the parameter estimates using 100 bootstrapped samples. Make sure to use system.time to get total time for the analysis. You should probably make sure the samples are balanced across operators, ie each sample draws for each operator.

```
Bootstrap_fun <- function(Boot) {
  b0.boot <- b1.boot <- rep(0, Boot)
  for (i in 1:Boot){
  # nonparametric bootstrap
    sensory.op1 <- subset(sensory, sensory$Operator == 1)
    sensory.op2 <- subset(sensory, sensory$Operator == 2)
    sensory.op3 <- subset(sensory, sensory$Operator == 3)
    sensory.op4 <- subset(sensory, sensory$Operator == 4)
    sensory.op5 <- subset(sensory, sensory$Operator == 5)
    sampling <- c(sample(nrow(sensory.op1), replace = TRUE),
                  sample(nrow(sensory.op2), replace = TRUE),
                  sample(nrow(sensory.op3), replace = TRUE),
                  sample(nrow(sensory.op4), replace = TRUE),
                  sample(nrow(sensory.op5), replace = TRUE))
    bootdata <- sensory[sampling,]
    b0.boot[i] <- coef(summary(lm(Dat ~ Operator, data = bootdata)))[1, 1]
    b1.boot[i] <- coef(summary(lm(Dat ~ Operator, data = bootdata)))[2, 1]
  }
  return(list(b0.boot = b0.boot, b1.boot = b1.boot))
}

sys.time.p1 <- system.time(boot_data <- Bootstrap_fun(100))
boot_data <- cbind.data.frame(b0.boot = boot_data$b0.boot, b1.boot = boot_data$b1.boot)
pander(boot_data)
```

b0.boot	b1.boot
5.061	-0.0401
5.039	-0.06829
5.156	-0.07191
4.757	-0.01765
4.907	-0.0187
5.055	-0.04661
5.007	-0.02897
4.995	-0.06981
4.854	-0.009828
5.012	-0.0428
5.202	-0.09879
5.112	-0.09842
4.982	-0.03568
5.187	-0.08159
4.969	-0.03619
5.49	-0.1928
5.337	-0.1061

b0.boot	b1.boot
4.801	0.003293
5.116	-0.06058
4.998	-0.04714
5.053	-0.09464
4.986	-0.03667
4.77	0.02004
5.237	-0.1162
5.219	-0.1057
5.336	-0.1221
5.134	-0.04846
5.359	-0.1376
4.94	-0.02123
5.297	-0.1179
4.919	-0.04115
4.901	0.002465
5.337	-0.1051
4.903	-0.001708
5.139	-0.09864
4.925	-0.01013
4.846	-0.01041
5.292	-0.1504
5.503	-0.1413
5.274	-0.1006
5.007	-0.06449
5.128	-0.1083
4.807	0.03761
4.939	-0.02486
5.03	-0.03066
4.986	-0.05445
4.642	0.05278
5.16	-0.09272
5.075	-0.06146
5.199	-0.1102
5.086	-0.05767
5.214	-0.1183
5.18	-0.07931
5.12	-0.05979
4.984	-0.02345
5.15	-0.07539
5.074	-0.04763
5.092	-0.04297
4.869	-0.008917
5.131	-0.06334
5.226	-0.1071
5.358	-0.1559
5.327	-0.112
4.975	-0.07582
5.425	-0.1134
5.319	-0.1178
5.167	-0.09832
5.09	-0.0311
5.204	-0.09686

b0.boot	b1.boot
4.994	-0.04424
5.013	0.005437
5.17	-0.09538
5.056	-0.04127
5.035	-0.05156
4.922	-0.03414
5.009	-0.03249
4.956	-0.04658
5.159	-0.08968
4.812	0.01769
5.039	-0.08419
5.175	-0.1024
5.107	-0.04732
4.998	-0.1026
4.945	-0.04404
5.036	-0.05518
4.956	-0.0417
5.067	-0.07299
5.045	-0.04645
5.03	-0.05893
5.108	-0.0579
5.212	-0.09468
5.109	-0.07146
5.162	-0.06896
5.023	-0.07868
5.071	-0.07613
4.93	-0.02339
5.125	-0.05554
4.815	-0.002729
4.788	0.0262
5.031	-0.05057

```
sys.time.p1
```

```
##    user  system elapsed
##   0.282   0.011   0.294
```

Part c. Redo the last problem but run the bootstraps in parallel (`cl <- makeCluster(8)`), don't forget to `stopCluster(cl)`). Why can you do this? Make sure to use system.time to get total time for the analysis.

Create a single table summarizing the results and timing from part a and b. What are your thoughts?

```
cl <- makeCluster(8)
sys.time.p2 <- system.time(Bootstrap_fun(100))
stopCluster(cl)
sys.time.p2
```

```
##    user  system elapsed
##   0.247   0.001   0.249
```

```
sys.time.names <- names(c(sys.time.p1))
sys.time.mat <- matrix(c(sys.time.p1, sys.time.p2), nrow = 2, byrow = TRUE)
colnames(sys.time.mat) <- sys.time.names
rownames(sys.time.mat) <- c("Non-parallelized", "Parallelized")
pander(as.data.frame(sys.time.mat))
```

	user.self	sys.self	elapsed	user.child	sys.child
Non-parallelized	0.282	0.011	0.294	0	0
Parallelized	0.247	0.001	0.249	0	0

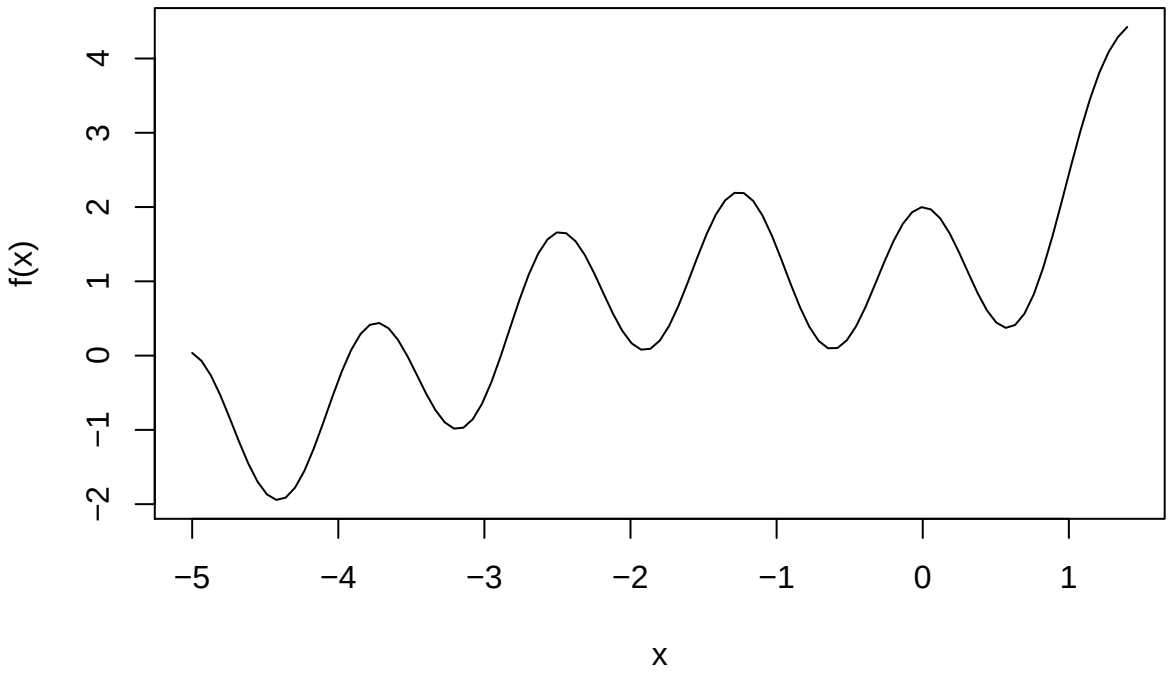
System time is basically zero for both. Probably because the operation was too simple already.

Problem 3

Newton's method gives an answer for a root. To find multiple roots, you need to try different starting values. There is no guarantee for what start will give a specific root, so you simply need to try multiple. From the plot of the function in HW4, problem 8, how many roots are there?

Create a vector (`length.out=1000`) as a "grid" covering all the roots and extending +/-1 to either end.

Part a. Using one of the apply functions, find the roots noting the time it takes to run the apply function.

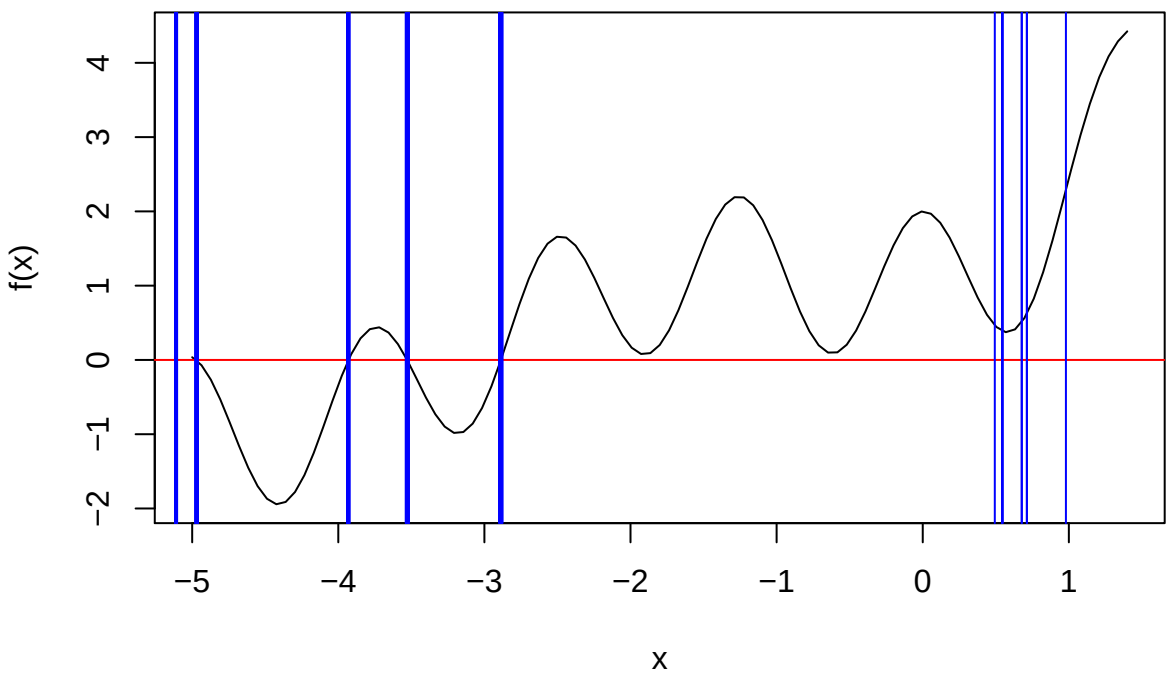


```r
  # function will use Newtons method given in class notes
  # for simplicity, plugging in the derivative directly
newton <- function(initGuess){
  fx <- 3^initGuess - sin(initGuess) + cos(5*initGuess)
  fxprime <- log(3)*3^(initGuess) - cos(initGuess) - 5*sin(5*initGuess)
  f <- initGuess - fx/fxprime
}

many_newtons <- function(test.point) {
  roots <- c(test.point, rep(0, 999))
  i <- 1
  tolerance <- 0.01
  move <- 1
  while (move > tolerance && i < 1000) {
    roots[i + 1] <- newton(roots[i])
    move <- abs(roots[i] - roots[i + 1])
    i <- i + 1
  }
  est.root <- roots[i-1]
  return(est.root)
}
```

```r
grid <- seq(-6, 2, length.out = 1000)
roots <- sapply(grid, function(k) many_newtons(k))
roots_data <- cbind.data.frame(grid = grid, final_roots = roots)
#pander(roots_data)

curve(3^x - sin(x) + cos(5*x), from = -5,to=1.4, ylab="f(x)")
abline(h = 0, col = 2)
a <- sapply(1:1000, function(i) abline(v = roots[i], col="blue"))
```



```
#points(x=roots[1:(i-1)],
#       y=(3^roots[1:(i-1)] - sin(roots[1:(i-1)]) + cos(5*roots[1:(i-1)])),
#       pch=20,col="green")
#text(x=roots[1:(i-1)],
#       y=(0.3+3^roots[1:(i-1)] - sin(roots[1:(i-1)]) + cos(5*roots[1:(i-1)])),
#     labels=1:(i-1))

sys.time.p1 <- system.time(sapply(grid, function(k) many_newtons(k)))
sys.time.p1
```

```
##    user  system elapsed
##   0.071   0.000   0.070
```

The blue vertical lines are the roots I found when I tested a grid of 1,000 items between -6 to 2. It was successful most of the time, but there were a few that did not converge to the correct root.

Part b. Repeat the apply command using the equivelant parApply command. Use 8 workers. `cl <- makeCluster(8)`.

```
cl <- makeCluster(8)
clusterExport(cl, c("many_newtons", "newton"))
sys.time.p2 <- system.time(parSapply(cl = cl,
                                     grid, function(k) many_newtons(k)))
stopCluster(cl)
sys.time.p2
```

```
##    user  system elapsed
##   0.004   0.000   0.070
```

```
sys.time.names <- names(c(sys.time.p1))
sys.time.mat <- matrix(c(sys.time.p1, sys.time.p2), nrow = 2, byrow = TRUE)
colnames(sys.time.mat) <- sys.time.names
rownames(sys.time.mat) <- c("Non-parallelized", "Parallelized")
pander(as.data.frame(sys.time.mat))
```

	user.self	sys.self	elapsed	user.child	sys.child
Non-parallelized	0.071	0	0.07	0	0
Parallelized	0.004	0	0.07	0	0

Create a table summarizing the roots and timing from both parts a and b. What are your thoughts?

Very little difference between the two.

Problem 4

Gradient descent, like Newton's method, has "hyperparameters" that are determined outside the algorithm and there is no set rules for determing what settings to use. For gradient descent, you need to set a start value, a step size and tolerance. Using a step size of $1e^{-7}$ and tolerance of $1e^{-9}$, try 10000 different combinations of β_0 and β_1 across the range of possible β's +/-1 from true making sure to take advantages of parallel computing opportunities. In my try at this, I found starting close to true took 1.1M iterations, so set a stopping rule for 5M and only keep a rolling 1000 iterations for both β's. If this is confusing, see the solution to the last homework.

Part a. What if you were to change the stopping rule to include our knowledge of the true value? Is this a good way to run this algorithm? What is a potential problem?

No, it is not a good way to run this algorithm. True values are probably not the best estimates of the parameters given the data set.

Part c. Make a table of each starting value, the associated stopping value, and the number of iterations it took to get to that value. What fraction of starts ended prior to 5M? What are your thoughts on this algorithm?

```
#quick gradient descent
#need to make guesses for both Theta0 and Theta1, might as well be close
gradient <- function(init_point_t0, init_point_t1) {
  theta <- as.matrix(c(1,2), nrow=2)
  X <- cbind(1, rep(1:10,10))
  h <- X%*%theta + rnorm(100,0,0.2)

  alpha <- 1e-7 # this is the step size
  m <- 100 # this is the size of h
  tolerance <- 1e-9 # stopping tolerance
  theta0 <- c(init_point_t0, rep(0,999))
  theta1 <- c(init_point_t1, rep(0,999))
  i <- 2 #iterator, 1 is my guess (R style indecies)
  #current theta is last guess
  current_theta <- as.matrix(c(theta0[i - 1], theta1[i - 1]), nrow=2)
  #update guess using gradient
  theta0[i] <-theta0[i - 1] - (alpha/m) * sum(X %*% current_theta - h)
  theta1[i] <-theta1[i - 1] - (alpha/m) * sum((X %*% current_theta - h)*rowSums(X))
  rs_X <- rowSums(X) # can precalc to save some time
  z <- 0
  while(abs(theta0[i] - theta0[i-1]) > tolerance &&
        abs(theta1[i] - theta1[i-1]) > tolerance && z < 5000){
    # Note that I am only using 5000 iterations. 5000000 takes too much time.
    if (i == 1000) {theta0[1] = theta0[i]; theta1[1] = theta1[i]; i = 1;}
    ##cat("z=",z,"\n",sep="")}
    z <- z + 1
    i <- i + 1
    current_theta <- as.matrix(c(theta0[i-1],theta1[i-1]),nrow=2)
    theta0[i] <-theta0[i - 1] - (alpha/m) * sum(X %*% current_theta - h)
    theta1[i] <-theta1[i - 1] - (alpha/m) * sum((X %*% current_theta - h)*rs_X)
```

```
  }
  return(list(current_theta = current_theta, iter = z))
}

grid_t0 <- rep(seq(0, 2, length.out = 100), each = 100)
grid_t1 <- rep(seq(0, 2, length.out = 100), 100)
grid_mat <- cbind.data.frame(grid_t0, grid_t1)

cl2 <- makeCluster(8)
clusterExport(cl2, "gradient")
sys.time.p2 <- system.time(gradient_output <-
                             parApply(cl = cl2, grid_mat, 1,
                                      function(mat) gradient(mat[1], mat[2])))
sys.time.p2
```

```
##    user  system elapsed
##   0.047   0.002 137.788
```

```
stopCluster(cl2)

gradient_output <- unlist(gradient_output)
output_theta0 <- gradient_output[names(gradient_output) == "current_theta1"]
output_theta1 <- gradient_output[names(gradient_output) == "current_theta2"]
output_iter <- gradient_output[names(gradient_output) == "iter"]

pander(cbind.data.frame(est_theta0 = output_theta0,
                        est_theta1 = output_theta1,
                        iterations = output_iter))
```

est_theta0	est_theta1	iterations
0.005923	0.04664	5000
0.005887	0.06656	5000
0.005833	0.08624	5000
0.005772	0.106	5000
0.005709	0.1257	5000
0.005661	0.1456	5000
0.0056	0.1653	5000
0.005561	0.1852	5000
0.005494	0.2048	5000
0.005446	0.2246	5000
0.005386	0.2444	5000
0.005342	0.2642	5000
0.00528	0.2839	5000
0.005206	0.3036	5000
0.005173	0.3235	5000
0.00512	0.3432	5000
0.005051	0.3629	5000
0.004992	0.3826	5000
0.00495	0.4025	5000
0.004897	0.4223	5000
0.004843	0.442	5000
0.004782	0.4617	5000

est_theta0	est_theta1	iterations
0.004735	0.4816	5000
0.004659	0.5012	5000
0.004637	0.5211	5000
0.004572	0.5409	5000
0.0045	0.5605	5000
0.004443	0.5802	5000
0.00439	0.6	5000
0.004343	0.6199	5000
0.004296	0.6397	5000
0.004234	0.6594	5000
0.004178	0.6791	5000
0.004115	0.6988	5000
0.00407	0.7187	5000
0.00402	0.7385	5000
0.003965	0.7583	5000
0.003902	0.7779	5000
0.003859	0.7978	5000
0.003805	0.8175	5000
0.003735	0.8372	5000
0.003693	0.857	5000
0.003615	0.8767	5000
0.003564	0.8965	5000
0.00352	0.9163	5000
0.003451	0.936	5000
0.003393	0.9557	5000
0.003366	0.9756	5000
0.003302	0.9953	5000
0.003234	1.015	5000
0.003186	1.035	5000
0.003132	1.055	5000
0.003073	1.074	5000
0.003029	1.094	5000
0.002991	1.114	5000
0.002914	1.134	5000
0.002854	1.153	5000
0.002807	1.173	5000
0.002758	1.193	5000
0.00269	1.213	5000
0.002629	1.232	5000
0.002588	1.252	5000
0.002532	1.272	5000
0.002471	1.292	5000
0.002436	1.312	5000
0.002353	1.331	5000
0.00231	1.351	5000
0.002262	1.371	5000
0.00221	1.391	5000
0.002131	1.41	5000
0.002086	1.43	5000
0.002026	1.45	5000
0.001982	1.47	5000
0.001928	1.489	5000

est_theta0	est_theta1	iterations
0.001856	1.509	5000
0.0018	1.529	5000
0.001769	1.549	5000
0.001723	1.569	5000
0.001629	1.588	5000
0.001564	1.608	5000
0.001531	1.628	5000
0.001486	1.647	5000
0.001422	1.667	5000
0.001388	1.687	5000
0.001328	1.707	5000
0.001272	1.727	5000
0.001197	1.746	5000
0.001158	1.766	5000
0.001106	1.786	5000
0.001061	1.806	5000
0.0009823	1.825	5000
0.0009493	1.845	5000
0.0008531	1.865	5000
0.000822	1.885	5000
0.0007697	1.904	5000
0.0007267	1.924	5000
0.0006769	1.944	5000
0.0006079	1.964	5000
0.0005522	1.983	5000
0.0005053	2.003	5000
0.02614	0.04668	5000
0.02607	0.06639	5000
0.02601	0.08615	5000
0.02597	0.106	5000
0.02589	0.1256	5000
0.02585	0.1455	5000
0.0258	0.1653	5000
0.02574	0.185	5000
0.02569	0.2047	5000
0.02563	0.2245	5000
0.02558	0.2443	5000
0.02553	0.2641	5000
0.02548	0.2839	5000
0.02542	0.3036	5000
0.02536	0.3234	5000
0.02528	0.343	5000
0.02525	0.3628	5000
0.02519	0.3825	5000
0.02515	0.4025	5000
0.02508	0.4221	5000
0.02504	0.4419	5000
0.02497	0.4616	5000
0.02493	0.4815	5000
0.02487	0.5012	5000
0.02481	0.521	5000
0.02477	0.5408	5000

est_theta0	est_theta1	iterations
0.02468	0.5604	5000
0.02464	0.5803	5000
0.02458	0.6	5000
0.02454	0.6198	5000
0.02447	0.6395	5000
0.02442	0.6593	5000
0.02437	0.679	5000
0.02432	0.6988	5000
0.02425	0.7185	5000
0.02421	0.7384	5000
0.02414	0.7581	5000
0.0241	0.7779	5000
0.02403	0.7976	5000
0.02399	0.8174	5000
0.02392	0.8371	5000
0.02386	0.8568	5000
0.02382	0.8767	5000
0.02376	0.8964	5000
0.02371	0.9162	5000
0.02365	0.9359	5000
0.02358	0.9556	5000
0.02354	0.9754	5000
0.02349	0.9952	5000
0.02344	1.015	5000
0.02338	1.035	5000
0.02333	1.055	5000
0.02328	1.074	5000
0.02324	1.094	5000
0.02317	1.114	5000
0.02309	1.134	5000
0.02304	1.153	5000
0.02301	1.173	5000
0.02293	1.193	5000
0.02287	1.213	5000
0.02281	1.232	5000
0.02278	1.252	5000
0.02273	1.272	5000
0.02267	1.292	5000
0.02262	1.312	5000
0.02254	1.331	5000
0.0225	1.351	5000
0.02245	1.371	5000
0.0224	1.391	5000
0.02234	1.41	5000
0.02229	1.43	5000
0.02222	1.45	5000
0.02219	1.47	5000
0.02212	1.489	5000
0.02208	1.509	5000
0.02201	1.529	5000
0.02195	1.549	5000
0.0219	1.568	5000

est_theta0	est_theta1	iterations
0.02184	1.588	5000
0.02179	1.608	5000
0.02172	1.628	5000
0.02168	1.647	5000
0.02161	1.667	5000
0.02156	1.687	5000
0.02151	1.707	5000
0.02144	1.726	5000
0.0214	1.746	5000
0.02136	1.766	5000
0.02131	1.786	5000
0.02125	1.806	5000
0.02117	1.825	5000
0.02114	1.845	5000
0.02108	1.865	5000
0.02102	1.885	5000
0.02096	1.904	5000
0.0209	1.924	5000
0.02087	1.944	5000
0.02078	1.964	5000
0.02073	1.983	5000
0.0207	2.003	5000
0.04631	0.04658	5000
0.04628	0.06651	5000
0.04621	0.0861	5000
0.04613	0.1057	5000
0.0461	0.1257	5000
0.04605	0.1455	5000
0.04596	0.165	5000
0.04593	0.1849	5000
0.04586	0.2046	5000
0.04582	0.2243	5000
0.04577	0.2442	5000
0.04571	0.2639	5000
0.04565	0.2837	5000
0.0456	0.3035	5000
0.04556	0.3233	5000
0.0455	0.343	5000
0.04544	0.3628	5000
0.04537	0.3825	5000
0.04532	0.4022	5000
0.04526	0.422	5000
0.04522	0.4418	5000
0.04517	0.4616	5000
0.0451	0.4813	5000
0.04506	0.5011	5000
0.04499	0.5208	5000
0.04493	0.5405	5000
0.04488	0.5603	5000
0.04481	0.58	5000
0.04479	0.6	5000
0.04472	0.6197	5000

est_theta0	est_theta1	iterations
0.04468	0.6395	5000
0.04462	0.6593	5000
0.04459	0.6791	5000
0.04452	0.6988	5000
0.04446	0.7185	5000
0.04439	0.7383	5000
0.04434	0.758	5000
0.04429	0.7779	5000
0.04423	0.7976	5000
0.04418	0.8173	5000
0.04412	0.8371	5000
0.04407	0.8568	5000
0.04399	0.8765	5000
0.04395	0.8964	5000
0.0439	0.9161	5000
0.04385	0.936	5000
0.0438	0.9558	5000
0.04373	0.9754	5000
0.04369	0.9952	5000
0.04363	1.015	5000
0.04359	1.035	5000
0.04351	1.054	5000
0.04345	1.074	5000
0.0434	1.094	5000
0.04336	1.114	5000
0.0433	1.133	5000
0.04325	1.153	5000
0.04318	1.173	5000
0.04312	1.193	5000
0.04306	1.212	5000
0.04304	1.233	5000
0.04295	1.252	5000
0.04291	1.272	5000
0.04285	1.292	5000
0.04278	1.311	5000
0.04275	1.331	5000
0.04268	1.351	5000
0.04262	1.371	5000
0.04257	1.39	5000
0.04254	1.41	5000
0.04248	1.43	5000
0.04241	1.45	5000
0.04234	1.469	5000
0.0423	1.489	5000
0.04224	1.509	5000
0.04219	1.529	5000
0.04215	1.549	5000
0.04211	1.568	5000
0.04203	1.588	5000
0.04197	1.608	5000
0.04193	1.628	5000
0.04187	1.647	5000

est_theta0	est_theta1	iterations
0.04181	1.667	5000
0.04177	1.687	5000
0.0417	1.707	5000
0.04165	1.726	5000
0.0416	1.746	5000
0.04154	1.766	5000
0.04148	1.786	5000
0.04141	1.805	5000
0.04136	1.825	5000
0.04132	1.845	5000
0.04128	1.865	5000
0.0412	1.884	5000
0.04117	1.904	5000
0.04109	1.924	5000
0.04104	1.944	5000
0.04099	1.964	5000
0.04092	1.983	5000
0.04091	2.003	5000
0.0665	0.04647	5000
0.06645	0.06632	5000
0.0664	0.08607	5000
0.06635	0.1058	5000
0.06629	0.1256	5000
0.06623	0.1453	5000
0.06618	0.1651	5000
0.06613	0.1849	5000
0.06609	0.2048	5000
0.06602	0.2245	5000
0.06595	0.244	5000
0.06591	0.2639	5000
0.06586	0.2837	5000
0.06579	0.3035	5000
0.06575	0.3232	5000
0.06568	0.3429	5000
0.06562	0.3627	5000
0.06559	0.3826	5000
0.06553	0.4023	5000
0.06549	0.4221	5000
0.06541	0.4417	5000
0.06536	0.4616	5000
0.0653	0.4813	5000
0.06524	0.501	5000
0.06521	0.5209	5000
0.06513	0.5405	5000
0.06507	0.5603	5000
0.06502	0.5801	5000
0.06497	0.5999	5000
0.06492	0.6196	5000
0.06486	0.6394	5000
0.0648	0.6591	5000
0.06477	0.679	5000
0.06469	0.6986	5000

est_theta0	est_theta1	iterations
0.06464	0.7185	5000
0.06459	0.7382	5000
0.06455	0.7581	5000
0.06448	0.7778	5000
0.06443	0.7975	5000
0.06437	0.8173	5000
0.06431	0.837	5000
0.06426	0.8568	5000
0.0642	0.8765	5000
0.06414	0.8963	5000
0.06409	0.9161	5000
0.06404	0.9359	5000
0.06398	0.9556	5000
0.0639	0.9752	5000
0.06387	0.9951	5000
0.06382	1.015	5000
0.06376	1.035	5000
0.06371	1.054	5000
0.06365	1.074	5000
0.0636	1.094	5000
0.06354	1.114	5000
0.06349	1.133	5000
0.06344	1.153	5000
0.06337	1.173	5000
0.06332	1.193	5000
0.06328	1.213	5000
0.06321	1.232	5000
0.06318	1.252	5000
0.0631	1.272	5000
0.06306	1.292	5000
0.06301	1.311	5000
0.06294	1.331	5000
0.06288	1.351	5000
0.06283	1.371	5000
0.06277	1.39	5000
0.06272	1.41	5000
0.06267	1.43	5000
0.06261	1.45	5000
0.06256	1.47	5000
0.0625	1.489	5000
0.06245	1.509	5000
0.06239	1.529	5000
0.06235	1.549	5000
0.06229	1.568	5000
0.06223	1.588	5000
0.06219	1.608	5000
0.06212	1.628	5000
0.06206	1.647	5000
0.06201	1.667	5000
0.06195	1.687	5000
0.06189	1.707	5000
0.06185	1.726	5000

est_theta0	est_theta1	iterations
0.06178	1.746	5000
0.06173	1.766	5000
0.06167	1.786	5000
0.06163	1.805	5000
0.06158	1.825	5000
0.06151	1.845	5000
0.06145	1.865	5000
0.06139	1.884	5000
0.06135	1.904	5000
0.06131	1.924	5000
0.06124	1.944	5000
0.06118	1.964	5000
0.06111	1.983	5000
0.06107	2.003	5000
0.08669	0.0464	5000
0.08663	0.06618	5000
0.08659	0.08596	5000
0.08652	0.1057	5000
0.08649	0.1255	5000
0.08642	0.1453	5000
0.08636	0.165	5000
0.08632	0.1849	5000
0.08626	0.2046	5000
0.0862	0.2242	5000
0.08615	0.2441	5000
0.08609	0.2638	5000
0.08604	0.2835	5000
0.08599	0.3034	5000
0.08592	0.3231	5000
0.08589	0.343	5000
0.08582	0.3626	5000
0.08576	0.3824	5000
0.08571	0.4021	5000
0.08565	0.4219	5000
0.08561	0.4418	5000
0.08555	0.4615	5000
0.0855	0.4813	5000
0.08544	0.501	5000
0.08539	0.5208	5000
0.08534	0.5407	5000
0.08526	0.5602	5000
0.08521	0.58	5000
0.08516	0.5998	5000
0.0851	0.6195	5000
0.08505	0.6394	5000
0.08499	0.6591	5000
0.08497	0.679	5000
0.08487	0.6985	5000
0.08482	0.7183	5000
0.08479	0.7382	5000
0.08472	0.7579	5000
0.08466	0.7776	5000

est_theta0	est_theta1	iterations
0.08464	0.7976	5000
0.08456	0.8171	5000
0.08451	0.837	5000
0.08446	0.8567	5000
0.0844	0.8765	5000
0.08434	0.8962	5000
0.08427	0.9159	5000
0.08424	0.9359	5000
0.08416	0.9553	5000
0.08412	0.9754	5000
0.08407	0.9951	5000
0.08402	1.015	5000
0.08394	1.035	5000
0.0839	1.054	5000
0.08384	1.074	5000
0.08378	1.094	5000
0.08374	1.114	5000
0.08368	1.133	5000
0.08363	1.153	5000
0.08358	1.173	5000
0.08352	1.193	5000
0.08346	1.212	5000
0.08341	1.232	5000
0.08334	1.252	5000
0.0833	1.272	5000
0.08324	1.292	5000
0.08318	1.311	5000
0.08313	1.331	5000
0.08309	1.351	5000
0.08301	1.371	5000
0.08296	1.39	5000
0.08292	1.41	5000
0.08287	1.43	5000
0.08279	1.45	5000
0.08276	1.469	5000
0.08271	1.489	5000
0.08264	1.509	5000
0.08259	1.529	5000
0.08254	1.548	5000
0.08247	1.568	5000
0.08243	1.588	5000
0.08238	1.608	5000
0.0823	1.627	5000
0.08224	1.647	5000
0.08219	1.667	5000
0.08216	1.687	5000
0.08209	1.706	5000
0.08202	1.726	5000
0.08197	1.746	5000
0.08193	1.766	5000
0.08187	1.786	5000
0.08181	1.805	5000

est_theta0	est_theta1	iterations
0.08177	1.825	5000
0.08171	1.845	5000
0.08164	1.865	5000
0.08159	1.884	5000
0.08155	1.904	5000
0.08147	1.924	5000
0.08142	1.944	5000
0.08137	1.963	5000
0.08133	1.983	5000
0.08126	2.003	5000
0.1069	0.04631	5000
0.1068	0.06615	5000
0.1068	0.08587	5000
0.1067	0.1056	5000
0.1067	0.1254	5000
0.1066	0.1453	5000
0.1066	0.1651	5000
0.1065	0.1848	5000
0.1065	0.2045	5000
0.1064	0.2244	5000
0.1063	0.2439	5000
0.1063	0.2638	5000
0.1062	0.2837	5000
0.1062	0.3034	5000
0.1061	0.3232	5000
0.1061	0.3429	5000
0.106	0.3625	5000
0.106	0.3823	5000
0.1059	0.4022	5000
0.1059	0.4219	5000
0.1058	0.4416	5000
0.1057	0.4614	5000
0.1057	0.4813	5000
0.1056	0.501	5000
0.1056	0.5206	5000
0.1055	0.5405	5000
0.1055	0.5603	5000
0.1054	0.58	5000
0.1053	0.5997	5000
0.1053	0.6194	5000
0.1052	0.6392	5000
0.1052	0.659	5000
0.1051	0.6789	5000
0.1051	0.6987	5000
0.105	0.7183	5000
0.105	0.7381	5000
0.1049	0.758	5000
0.1049	0.7777	5000
0.1048	0.7973	5000
0.1047	0.8171	5000
0.1047	0.8368	5000
0.1046	0.8566	5000

est_theta0	est_theta1	iterations
0.1046	0.8764	5000
0.1045	0.8962	5000
0.1045	0.916	5000
0.1044	0.9356	5000
0.1044	0.9555	5000
0.1043	0.9751	5000
0.1043	0.9951	5000
0.1042	1.015	5000
0.1042	1.035	5000
0.1041	1.054	5000
0.104	1.074	5000
0.104	1.094	5000
0.1039	1.114	5000
0.1039	1.133	5000
0.1038	1.153	5000
0.1038	1.173	5000
0.1037	1.193	5000
0.1036	1.212	5000
0.1036	1.232	5000
0.1035	1.252	5000
0.1035	1.272	5000
0.1034	1.291	5000
0.1034	1.311	5000
0.1033	1.331	5000
0.1033	1.351	5000
0.1032	1.371	5000
0.1032	1.39	5000
0.1031	1.41	5000
0.103	1.43	5000
0.103	1.45	5000
0.1029	1.469	5000
0.1029	1.489	5000
0.1028	1.509	5000
0.1028	1.529	5000
0.1027	1.548	5000
0.1027	1.568	5000
0.1026	1.588	5000
0.1026	1.608	5000
0.1025	1.627	5000
0.1025	1.647	5000
0.1024	1.667	5000
0.1023	1.687	5000
0.1023	1.706	5000
0.1022	1.726	5000
0.1022	1.746	5000
0.1021	1.766	5000
0.1021	1.786	5000
0.102	1.805	5000
0.102	1.825	5000
0.1019	1.845	5000
0.1018	1.865	5000
0.1018	1.884	5000

est_theta0	est_theta1	iterations
0.1017	1.904	5000
0.1017	1.924	5000
0.1016	1.944	5000
0.1016	1.963	5000
0.1015	1.983	5000
0.1015	2.003	5000
0.1271	0.04636	5000
0.127	0.06603	5000
0.127	0.08592	5000
0.1269	0.1057	5000
0.1269	0.1254	5000
0.1268	0.1451	5000
0.1267	0.1649	5000
0.1267	0.1848	5000
0.1266	0.2044	5000
0.1266	0.2243	5000
0.1265	0.244	5000
0.1265	0.2636	5000
0.1264	0.2833	5000
0.1264	0.3032	5000
0.1263	0.323	5000
0.1263	0.3429	5000
0.1262	0.3625	5000
0.1261	0.3823	5000
0.1261	0.402	5000
0.1261	0.4219	5000
0.126	0.4417	5000
0.1259	0.4613	5000
0.1259	0.4811	5000
0.1258	0.5009	5000
0.1258	0.5208	5000
0.1257	0.5405	5000
0.1257	0.5601	5000
0.1256	0.58	5000
0.1255	0.5997	5000
0.1255	0.6196	5000
0.1255	0.6393	5000
0.1254	0.6589	5000
0.1253	0.6787	5000
0.1253	0.6985	5000
0.1252	0.7184	5000
0.1252	0.738	5000
0.1251	0.7578	5000
0.125	0.7774	5000
0.125	0.7972	5000
0.1249	0.817	5000
0.1249	0.8368	5000
0.1248	0.8567	5000
0.1248	0.8764	5000
0.1247	0.8961	5000
0.1247	0.9159	5000
0.1246	0.9356	5000

est_theta0	est_theta1	iterations
0.1246	0.9554	5000
0.1245	0.9752	5000
0.1245	0.995	5000
0.1244	1.015	5000
0.1243	1.034	5000
0.1243	1.054	5000
0.1242	1.074	5000
0.1242	1.094	5000
0.1241	1.114	5000
0.1241	1.133	5000
0.124	1.153	5000
0.124	1.173	5000
0.1239	1.193	5000
0.1238	1.212	5000
0.1238	1.232	5000
0.1237	1.252	5000
0.1237	1.272	5000
0.1236	1.291	5000
0.1236	1.311	5000
0.1235	1.331	5000
0.1235	1.351	5000
0.1234	1.37	5000
0.1233	1.39	5000
0.1233	1.41	5000
0.1232	1.43	5000
0.1232	1.45	5000
0.1231	1.469	5000
0.1231	1.489	5000
0.123	1.509	5000
0.123	1.529	5000
0.1229	1.548	5000
0.1229	1.568	5000
0.1228	1.588	5000
0.1227	1.608	5000
0.1227	1.627	5000
0.1226	1.647	5000
0.1226	1.667	5000
0.1225	1.687	5000
0.1225	1.706	5000
0.1224	1.726	5000
0.1223	1.746	5000
0.1223	1.766	5000
0.1223	1.785	5000
0.1222	1.805	5000
0.1221	1.825	5000
0.1221	1.845	5000
0.122	1.864	5000
0.122	1.884	5000
0.1219	1.904	5000
0.1219	1.924	5000
0.1218	1.944	5000
0.1218	1.963	5000

est_theta0	est_theta1	iterations
0.1217	1.983	5000
0.1216	2.003	5000
0.1473	0.04624	5000
0.1472	0.0661	5000
0.1472	0.08579	5000
0.1471	0.1056	5000
0.1471	0.1253	5000
0.147	0.145	5000
0.1469	0.1648	5000
0.1469	0.1847	5000
0.1468	0.2044	5000
0.1468	0.2241	5000
0.1467	0.2438	5000
0.1467	0.2636	5000
0.1466	0.2833	5000
0.1466	0.3031	5000
0.1465	0.3229	5000
0.1465	0.3427	5000
0.1464	0.3625	5000
0.1464	0.3823	5000
0.1463	0.402	5000
0.1462	0.4218	5000
0.1462	0.4416	5000
0.1461	0.4613	5000
0.1461	0.481	5000
0.146	0.5009	5000
0.146	0.5206	5000
0.1459	0.5403	5000
0.1459	0.5602	5000
0.1458	0.5799	5000
0.1457	0.5996	5000
0.1457	0.6194	5000
0.1456	0.6391	5000
0.1456	0.659	5000
0.1455	0.6788	5000
0.1455	0.6985	5000
0.1454	0.7182	5000
0.1453	0.7378	5000
0.1453	0.7578	5000
0.1452	0.7774	5000
0.1452	0.7973	5000
0.1451	0.817	5000
0.1451	0.8367	5000
0.145	0.8565	5000
0.145	0.8764	5000
0.1449	0.896	5000
0.1449	0.9159	5000
0.1448	0.9356	5000
0.1447	0.9554	5000
0.1447	0.9751	5000
0.1446	0.9948	5000
0.1446	1.015	5000

est_theta0	est_theta1	iterations
0.1445	1.034	5000
0.1445	1.054	5000
0.1444	1.074	5000
0.1444	1.094	5000
0.1443	1.113	5000
0.1443	1.133	5000
0.1442	1.153	5000
0.1441	1.173	5000
0.1441	1.192	5000
0.144	1.212	5000
0.144	1.232	5000
0.1439	1.252	5000
0.1439	1.272	5000
0.1438	1.291	5000
0.1437	1.311	5000
0.1437	1.331	5000
0.1436	1.351	5000
0.1436	1.37	5000
0.1436	1.39	5000
0.1435	1.41	5000
0.1434	1.43	5000
0.1434	1.45	5000
0.1433	1.469	5000
0.1433	1.489	5000
0.1432	1.509	5000
0.1432	1.528	5000
0.1431	1.548	5000
0.143	1.568	5000
0.143	1.588	5000
0.1429	1.608	5000
0.1429	1.627	5000
0.1428	1.647	5000
0.1428	1.667	5000
0.1427	1.687	5000
0.1427	1.706	5000
0.1426	1.726	5000
0.1426	1.746	5000
0.1425	1.766	5000
0.1425	1.785	5000
0.1424	1.805	5000
0.1423	1.825	5000
0.1423	1.845	5000
0.1422	1.864	5000
0.1422	1.884	5000
0.1421	1.904	5000
0.1421	1.924	5000
0.142	1.943	5000
0.1419	1.963	5000
0.1419	1.983	5000
0.1418	2.003	5000
0.1675	0.04617	5000
0.1674	0.06588	5000

est_theta0	est_theta1	iterations
0.1674	0.08569	5000
0.1673	0.1054	5000
0.1672	0.1252	5000
0.1672	0.1449	5000
0.1671	0.1648	5000
0.1671	0.1845	5000
0.167	0.2043	5000
0.167	0.2242	5000
0.1669	0.2439	5000
0.1669	0.2637	5000
0.1668	0.2834	5000
0.1668	0.3031	5000
0.1667	0.3229	5000
0.1666	0.3426	5000
0.1666	0.3623	5000
0.1665	0.3822	5000
0.1665	0.4019	5000
0.1664	0.4217	5000
0.1664	0.4415	5000
0.1663	0.4613	5000
0.1663	0.4811	5000
0.1662	0.5007	5000
0.1662	0.5205	5000
0.1661	0.5404	5000
0.166	0.56	5000
0.166	0.5797	5000
0.1659	0.5996	5000
0.1659	0.6193	5000
0.1658	0.639	5000
0.1658	0.659	5000
0.1657	0.6785	5000
0.1657	0.6984	5000
0.1656	0.718	5000
0.1656	0.738	5000
0.1655	0.7576	5000
0.1654	0.7775	5000
0.1654	0.7973	5000
0.1653	0.817	5000
0.1653	0.8367	5000
0.1652	0.8565	5000
0.1652	0.8763	5000
0.1651	0.896	5000
0.1651	0.9158	5000
0.165	0.9356	5000
0.1649	0.9551	5000
0.1649	0.9749	5000
0.1648	0.9948	5000
0.1648	1.015	5000
0.1647	1.034	5000
0.1647	1.054	5000
0.1646	1.074	5000
0.1645	1.094	5000

est_theta0	est_theta1	iterations
0.1645	1.113	5000
0.1645	1.133	5000
0.1644	1.153	5000
0.1643	1.173	5000
0.1643	1.193	5000
0.1642	1.212	5000
0.1642	1.232	5000
0.1641	1.252	5000
0.1641	1.271	5000
0.164	1.291	5000
0.164	1.311	5000
0.1639	1.331	5000
0.1638	1.35	5000
0.1638	1.37	5000
0.1637	1.39	5000
0.1637	1.41	5000
0.1636	1.43	5000
0.1636	1.449	5000
0.1635	1.469	5000
0.1635	1.489	5000
0.1634	1.509	5000
0.1633	1.528	5000
0.1633	1.548	5000
0.1632	1.568	5000
0.1632	1.588	5000
0.1631	1.607	5000
0.1631	1.627	5000
0.163	1.647	5000
0.163	1.667	5000
0.1629	1.687	5000
0.1629	1.706	5000
0.1628	1.726	5000
0.1627	1.746	5000
0.1627	1.766	5000
0.1626	1.785	5000
0.1626	1.805	5000
0.1625	1.825	5000
0.1625	1.845	5000
0.1624	1.864	5000
0.1624	1.884	5000
0.1623	1.904	5000
0.1623	1.924	5000
0.1622	1.943	5000
0.1622	1.963	5000
0.1621	1.983	5000
0.162	2.003	5000
0.1877	0.04613	5000
0.1876	0.06581	5000
0.1876	0.08575	5000
0.1875	0.1054	5000
0.1874	0.1252	5000
0.1874	0.145	5000

est_theta0	est_theta1	iterations
0.1873	0.1647	5000
0.1873	0.1845	5000
0.1872	0.2042	5000
0.1872	0.224	5000
0.1871	0.2437	5000
0.1871	0.2636	5000
0.187	0.2833	5000
0.1869	0.3029	5000
0.1869	0.3229	5000
0.1868	0.3425	5000
0.1868	0.3622	5000
0.1867	0.3821	5000
0.1867	0.402	5000
0.1866	0.4217	5000
0.1866	0.4414	5000
0.1865	0.4611	5000
0.1865	0.4809	5000
0.1864	0.5006	5000
0.1864	0.5206	5000
0.1863	0.5402	5000
0.1862	0.5599	5000
0.1862	0.5797	5000
0.1861	0.5994	5000
0.1861	0.6192	5000
0.186	0.639	5000
0.186	0.6588	5000
0.1859	0.6786	5000
0.1858	0.6983	5000
0.1858	0.7182	5000
0.1857	0.7378	5000
0.1857	0.7576	5000
0.1856	0.7774	5000
0.1856	0.7971	5000
0.1855	0.8169	5000
0.1855	0.8368	5000
0.1854	0.8563	5000
0.1854	0.8762	5000
0.1853	0.8958	5000
0.1852	0.9156	5000
0.1852	0.9354	5000
0.1851	0.9552	5000
0.1851	0.9751	5000
0.185	0.9948	5000
0.185	1.014	5000
0.1849	1.034	5000
0.1849	1.054	5000
0.1848	1.074	5000
0.1848	1.094	5000
0.1847	1.113	5000
0.1846	1.133	5000
0.1846	1.153	5000
0.1845	1.173	5000

est_theta0	est_theta1	iterations
0.1845	1.192	5000
0.1844	1.212	5000
0.1844	1.232	5000
0.1843	1.252	5000
0.1842	1.271	5000
0.1842	1.291	5000
0.1841	1.311	5000
0.1841	1.331	5000
0.184	1.35	5000
0.184	1.37	5000
0.1839	1.39	5000
0.1838	1.41	5000
0.1838	1.429	5000
0.1838	1.449	5000
0.1837	1.469	5000
0.1836	1.489	5000
0.1836	1.508	5000
0.1835	1.528	5000
0.1835	1.548	5000
0.1834	1.568	5000
0.1834	1.587	5000
0.1833	1.607	5000
0.1833	1.627	5000
0.1832	1.647	5000
0.1832	1.667	5000
0.1831	1.687	5000
0.183	1.706	5000
0.183	1.726	5000
0.1829	1.746	5000
0.1829	1.765	5000
0.1828	1.785	5000
0.1828	1.805	5000
0.1827	1.825	5000
0.1827	1.845	5000
0.1826	1.864	5000
0.1826	1.884	5000
0.1825	1.904	5000
0.1825	1.924	5000
0.1824	1.943	5000
0.1823	1.963	5000
0.1823	1.983	5000
0.1822	2.003	5000
0.2079	0.04612	5000
0.2078	0.06588	5000
0.2078	0.08565	5000
0.2077	0.1052	5000
0.2076	0.1252	5000
0.2076	0.1449	5000
0.2075	0.1647	5000
0.2075	0.1845	5000
0.2074	0.2042	5000
0.2074	0.2239	5000

est_theta0	est_theta1	iterations
0.2073	0.2438	5000
0.2072	0.2634	5000
0.2072	0.2833	5000
0.2071	0.303	5000
0.2071	0.3227	5000
0.207	0.3425	5000
0.207	0.3622	5000
0.2069	0.3821	5000
0.2069	0.4018	5000
0.2068	0.4216	5000
0.2068	0.4414	5000
0.2067	0.461	5000
0.2067	0.4809	5000
0.2066	0.5006	5000
0.2065	0.5203	5000
0.2065	0.5401	5000
0.2064	0.5599	5000
0.2064	0.5796	5000
0.2063	0.5995	5000
0.2063	0.6192	5000
0.2062	0.639	5000
0.2062	0.6587	5000
0.2061	0.6785	5000
0.206	0.6982	5000
0.206	0.7179	5000
0.2059	0.7377	5000
0.2059	0.7574	5000
0.2058	0.7774	5000
0.2057	0.7969	5000
0.2057	0.8169	5000
0.2057	0.8365	5000
0.2056	0.8564	5000
0.2056	0.8762	5000
0.2055	0.8959	5000
0.2054	0.9157	5000
0.2054	0.9354	5000
0.2053	0.9553	5000
0.2053	0.975	5000
0.2052	0.9947	5000
0.2052	1.014	5000
0.2051	1.034	5000
0.205	1.054	5000
0.205	1.074	5000
0.2049	1.093	5000
0.2049	1.113	5000
0.2048	1.133	5000
0.2048	1.153	5000
0.2047	1.172	5000
0.2047	1.192	5000
0.2046	1.212	5000
0.2046	1.232	5000
0.2045	1.252	5000

est_theta0	est_theta1	iterations
0.2044	1.271	5000
0.2044	1.291	5000
0.2043	1.311	5000
0.2043	1.331	5000
0.2042	1.35	5000
0.2042	1.37	5000
0.2041	1.39	5000
0.2041	1.41	5000
0.204	1.43	5000
0.204	1.449	5000
0.2039	1.469	5000
0.2039	1.489	5000
0.2038	1.508	5000
0.2037	1.528	5000
0.2037	1.548	5000
0.2036	1.568	5000
0.2035	1.587	5000
0.2035	1.607	5000
0.2034	1.627	5000
0.2034	1.647	5000
0.2033	1.667	5000
0.2033	1.686	5000
0.2033	1.706	5000
0.2032	1.726	5000
0.2031	1.746	5000
0.2031	1.765	5000
0.203	1.785	5000
0.203	1.805	5000
0.2029	1.825	5000
0.2028	1.844	5000
0.2028	1.864	5000
0.2027	1.884	5000
0.2027	1.904	5000
0.2026	1.923	5000
0.2026	1.943	5000
0.2025	1.963	5000
0.2025	1.983	5000
0.2024	2.003	5000
0.228	0.04601	5000
0.228	0.06587	5000
0.2279	0.08561	5000
0.2279	0.1053	5000
0.2278	0.125	5000
0.2278	0.1449	5000
0.2277	0.1646	5000
0.2276	0.1843	5000
0.2276	0.2042	5000
0.2276	0.2239	5000
0.2275	0.2437	5000
0.2274	0.2633	5000
0.2274	0.2832	5000
0.2273	0.303	5000

est_theta0	est_theta1	iterations
0.2273	0.3227	5000
0.2272	0.3424	5000
0.2272	0.3622	5000
0.2271	0.3819	5000
0.2271	0.4017	5000
0.227	0.4216	5000
0.2269	0.4411	5000
0.2269	0.4611	5000
0.2268	0.4808	5000
0.2268	0.5006	5000
0.2267	0.5204	5000
0.2267	0.5401	5000
0.2266	0.5599	5000
0.2266	0.5796	5000
0.2265	0.5993	5000
0.2264	0.619	5000
0.2264	0.639	5000
0.2263	0.6586	5000
0.2263	0.6784	5000
0.2262	0.6983	5000
0.2262	0.7179	5000
0.2261	0.7377	5000
0.2261	0.7574	5000
0.226	0.7773	5000
0.226	0.797	5000
0.2259	0.8168	5000
0.2258	0.8364	5000
0.2258	0.8564	5000
0.2258	0.8761	5000
0.2257	0.8958	5000
0.2256	0.9155	5000
0.2256	0.9354	5000
0.2255	0.955	5000
0.2255	0.9749	5000
0.2254	0.9948	5000
0.2253	1.014	5000
0.2253	1.034	5000
0.2252	1.054	5000
0.2252	1.074	5000
0.2251	1.093	5000
0.2251	1.113	5000
0.225	1.133	5000
0.225	1.153	5000
0.2249	1.173	5000
0.2249	1.192	5000
0.2248	1.212	5000
0.2247	1.232	5000
0.2247	1.252	5000
0.2246	1.271	5000
0.2246	1.291	5000
0.2245	1.311	5000
0.2245	1.33	5000

est_theta0	est_theta1	iterations
0.2244	1.351	5000
0.2244	1.37	5000
0.2243	1.39	5000
0.2243	1.41	5000
0.2242	1.429	5000
0.2241	1.449	5000
0.2241	1.469	5000
0.224	1.489	5000
0.224	1.508	5000
0.2239	1.528	5000
0.2239	1.548	5000
0.2238	1.568	5000
0.2238	1.588	5000
0.2237	1.607	5000
0.2237	1.627	5000
0.2236	1.647	5000
0.2235	1.667	5000
0.2235	1.686	5000
0.2234	1.706	5000
0.2234	1.726	5000
0.2233	1.746	5000
0.2233	1.765	5000
0.2232	1.785	5000
0.2232	1.805	5000
0.2231	1.825	5000
0.2231	1.845	5000
0.223	1.864	5000
0.223	1.884	5000
0.2229	1.904	5000
0.2228	1.923	5000
0.2228	1.943	5000
0.2227	1.963	5000
0.2227	1.983	5000
0.2226	2.003	5000
0.2482	0.04593	5000
0.2482	0.06563	5000
0.2481	0.0855	5000
0.2481	0.1052	5000
0.248	0.125	5000
0.248	0.1448	5000
0.2479	0.1645	5000
0.2478	0.1842	5000
0.2478	0.2039	5000
0.2477	0.2238	5000
0.2477	0.2438	5000
0.2476	0.2634	5000
0.2476	0.2831	5000
0.2475	0.3028	5000
0.2475	0.3226	5000
0.2474	0.3423	5000
0.2474	0.3622	5000
0.2473	0.3819	5000

est_theta0	est_theta1	iterations
0.2472	0.4017	5000
0.2472	0.4215	5000
0.2471	0.4413	5000
0.2471	0.461	5000
0.247	0.4807	5000
0.247	0.5005	5000
0.2469	0.5203	5000
0.2469	0.54	5000
0.2468	0.5598	5000
0.2468	0.5795	5000
0.2467	0.5994	5000
0.2467	0.6191	5000
0.2466	0.6388	5000
0.2465	0.6586	5000
0.2465	0.6784	5000
0.2464	0.6981	5000
0.2464	0.7179	5000
0.2463	0.7376	5000
0.2462	0.7573	5000
0.2462	0.7772	5000
0.2462	0.797	5000
0.2461	0.8166	5000
0.246	0.8364	5000
0.246	0.8562	5000
0.2459	0.8759	5000
0.2459	0.8959	5000
0.2458	0.9155	5000
0.2458	0.9353	5000
0.2457	0.9551	5000
0.2457	0.9748	5000
0.2456	0.9945	5000
0.2456	1.014	5000
0.2455	1.034	5000
0.2454	1.054	5000
0.2454	1.074	5000
0.2453	1.093	5000
0.2453	1.113	5000
0.2452	1.133	5000
0.2452	1.153	5000
0.2451	1.172	5000
0.245	1.192	5000
0.245	1.212	5000
0.2449	1.232	5000
0.2449	1.251	5000
0.2448	1.271	5000
0.2448	1.291	5000
0.2447	1.311	5000
0.2447	1.33	5000
0.2446	1.35	5000
0.2446	1.37	5000
0.2445	1.39	5000
0.2445	1.41	5000

est_theta0	est_theta1	iterations
0.2444	1.429	5000
0.2443	1.449	5000
0.2443	1.469	5000
0.2442	1.489	5000
0.2442	1.508	5000
0.2441	1.528	5000
0.2441	1.548	5000
0.244	1.568	5000
0.2439	1.587	5000
0.2439	1.607	5000
0.2438	1.627	5000
0.2438	1.647	5000
0.2437	1.667	5000
0.2437	1.686	5000
0.2436	1.706	5000
0.2436	1.726	5000
0.2435	1.746	5000
0.2434	1.765	5000
0.2434	1.785	5000
0.2433	1.805	5000
0.2433	1.825	5000
0.2432	1.844	5000
0.2432	1.864	5000
0.2431	1.884	5000
0.2431	1.904	5000
0.243	1.923	5000
0.243	1.943	5000
0.2429	1.963	5000
0.2429	1.983	5000
0.2428	2.003	5000
0.2684	0.0458	5000
0.2684	0.06563	5000
0.2683	0.08537	5000
0.2683	0.1053	5000
0.2682	0.1249	5000
0.2682	0.1447	5000
0.2681	0.1644	5000
0.268	0.1842	5000
0.268	0.204	5000
0.2679	0.2238	5000
0.2679	0.2436	5000
0.2678	0.2632	5000
0.2678	0.283	5000
0.2677	0.3028	5000
0.2677	0.3226	5000
0.2676	0.3422	5000
0.2676	0.3621	5000
0.2675	0.3819	5000
0.2674	0.4016	5000
0.2674	0.4212	5000
0.2673	0.4411	5000
0.2673	0.4609	5000

est_theta0	est_theta1	iterations
0.2672	0.4807	5000
0.2672	0.5006	5000
0.2671	0.5202	5000
0.2671	0.54	5000
0.267	0.5597	5000
0.267	0.5795	5000
0.2669	0.5993	5000
0.2669	0.6191	5000
0.2668	0.6388	5000
0.2667	0.6585	5000
0.2667	0.6783	5000
0.2666	0.698	5000
0.2666	0.7179	5000
0.2665	0.7376	5000
0.2665	0.7574	5000
0.2664	0.7771	5000
0.2663	0.7968	5000
0.2663	0.8166	5000
0.2662	0.8363	5000
0.2662	0.856	5000
0.2661	0.8759	5000
0.2661	0.8957	5000
0.266	0.9155	5000
0.266	0.9354	5000
0.2659	0.9549	5000
0.2659	0.9747	5000
0.2658	0.9946	5000
0.2657	1.014	5000
0.2657	1.034	5000
0.2656	1.054	5000
0.2656	1.074	5000
0.2655	1.093	5000
0.2655	1.113	5000
0.2654	1.133	5000
0.2653	1.152	5000
0.2653	1.172	5000
0.2652	1.192	5000
0.2652	1.212	5000
0.2651	1.232	5000
0.2651	1.252	5000
0.265	1.271	5000
0.265	1.291	5000
0.2649	1.311	5000
0.2649	1.331	5000
0.2648	1.35	5000
0.2647	1.37	5000
0.2647	1.39	5000
0.2646	1.409	5000
0.2646	1.429	5000
0.2645	1.449	5000
0.2645	1.469	5000
0.2644	1.489	5000

est_theta0	est_theta1	iterations
0.2644	1.508	5000
0.2643	1.528	5000
0.2643	1.548	5000
0.2642	1.567	5000
0.2641	1.587	5000
0.2641	1.607	5000
0.264	1.627	5000
0.264	1.647	5000
0.2639	1.667	5000
0.2639	1.686	5000
0.2638	1.706	5000
0.2638	1.726	5000
0.2637	1.746	5000
0.2637	1.765	5000
0.2636	1.785	5000
0.2636	1.805	5000
0.2635	1.824	5000
0.2634	1.844	5000
0.2634	1.864	5000
0.2633	1.884	5000
0.2633	1.904	5000
0.2632	1.923	5000
0.2632	1.943	5000
0.2631	1.963	5000
0.2631	1.983	5000
0.263	2.002	5000
0.2886	0.04595	5000
0.2886	0.06564	5000
0.2885	0.08529	5000
0.2885	0.1051	5000
0.2884	0.1248	5000
0.2884	0.1448	5000
0.2883	0.1643	5000
0.2882	0.1841	5000
0.2882	0.204	5000
0.2881	0.2237	5000
0.2881	0.2434	5000
0.288	0.2632	5000
0.2879	0.2829	5000
0.2879	0.3027	5000
0.2878	0.3224	5000
0.2878	0.3424	5000
0.2878	0.3622	5000
0.2877	0.3817	5000
0.2876	0.4014	5000
0.2876	0.4214	5000
0.2875	0.4411	5000
0.2875	0.4608	5000
0.2874	0.4805	5000
0.2874	0.5003	5000
0.2873	0.5201	5000
0.2872	0.5399	5000

est_theta0	est_theta1	iterations
0.2872	0.5597	5000
0.2871	0.5794	5000
0.2871	0.5992	5000
0.287	0.619	5000
0.287	0.6386	5000
0.2869	0.6583	5000
0.2869	0.6782	5000
0.2868	0.6979	5000
0.2868	0.7178	5000
0.2867	0.7375	5000
0.2867	0.7573	5000
0.2866	0.777	5000
0.2865	0.7967	5000
0.2865	0.8165	5000
0.2864	0.8363	5000
0.2864	0.8561	5000
0.2863	0.8759	5000
0.2863	0.8956	5000
0.2862	0.9154	5000
0.2862	0.9352	5000
0.2861	0.9549	5000
0.2861	0.9748	5000
0.286	0.9945	5000
0.2859	1.014	5000
0.2859	1.034	5000
0.2858	1.054	5000
0.2858	1.074	5000
0.2857	1.093	5000
0.2856	1.113	5000
0.2856	1.133	5000
0.2856	1.153	5000
0.2855	1.172	5000
0.2854	1.192	5000
0.2854	1.212	5000
0.2853	1.231	5000
0.2853	1.251	5000
0.2852	1.271	5000
0.2851	1.291	5000
0.2851	1.311	5000
0.285	1.33	5000
0.285	1.35	5000
0.2849	1.37	5000
0.2849	1.39	5000
0.2848	1.409	5000
0.2848	1.429	5000
0.2847	1.449	5000
0.2847	1.469	5000
0.2846	1.488	5000
0.2846	1.508	5000
0.2845	1.528	5000
0.2845	1.548	5000
0.2844	1.568	5000

est_theta0	est_theta1	iterations
0.2843	1.587	5000
0.2843	1.607	5000
0.2842	1.627	5000
0.2842	1.647	5000
0.2841	1.666	5000
0.2841	1.686	5000
0.284	1.706	5000
0.284	1.726	5000
0.2839	1.745	5000
0.2839	1.765	5000
0.2838	1.785	5000
0.2838	1.805	5000
0.2837	1.824	5000
0.2836	1.844	5000
0.2836	1.864	5000
0.2835	1.884	5000
0.2835	1.903	5000
0.2834	1.923	5000
0.2833	1.943	5000
0.2833	1.963	5000
0.2832	1.983	5000
0.2832	2.002	5000
0.3088	0.04575	5000
0.3088	0.0655	5000
0.3087	0.08528	5000
0.3087	0.1051	5000
0.3086	0.1248	5000
0.3086	0.1447	5000
0.3085	0.1643	5000
0.3084	0.1841	5000
0.3084	0.2038	5000
0.3083	0.2236	5000
0.3083	0.2433	5000
0.3082	0.2632	5000
0.3081	0.2829	5000
0.3081	0.3027	5000
0.3081	0.3225	5000
0.308	0.3422	5000
0.3079	0.3619	5000
0.3079	0.3818	5000
0.3078	0.4015	5000
0.3078	0.4212	5000
0.3077	0.4411	5000
0.3077	0.4608	5000
0.3076	0.4806	5000
0.3076	0.5003	5000
0.3075	0.5201	5000
0.3074	0.5398	5000
0.3074	0.5595	5000
0.3073	0.5793	5000
0.3073	0.599	5000
0.3072	0.6188	5000

est_theta0	est_theta1	iterations
0.3072	0.6386	5000
0.3071	0.6584	5000
0.307	0.6781	5000
0.307	0.698	5000
0.307	0.7177	5000
0.3069	0.7375	5000
0.3068	0.7572	5000
0.3068	0.777	5000
0.3067	0.7966	5000
0.3067	0.8164	5000
0.3066	0.8364	5000
0.3066	0.856	5000
0.3065	0.8758	5000
0.3064	0.8956	5000
0.3064	0.9153	5000
0.3064	0.9351	5000
0.3063	0.9549	5000
0.3062	0.9745	5000
0.3062	0.9945	5000
0.3061	1.014	5000
0.3061	1.034	5000
0.306	1.054	5000
0.306	1.073	5000
0.3059	1.093	5000
0.3058	1.113	5000
0.3058	1.133	5000
0.3057	1.152	5000
0.3057	1.172	5000
0.3056	1.192	5000
0.3056	1.212	5000
0.3055	1.232	5000
0.3055	1.251	5000
0.3054	1.271	5000
0.3053	1.291	5000
0.3053	1.31	5000
0.3053	1.33	5000
0.3052	1.35	5000
0.3051	1.37	5000
0.3051	1.39	5000
0.305	1.409	5000
0.305	1.429	5000
0.3049	1.449	5000
0.3048	1.469	5000
0.3048	1.488	5000
0.3047	1.508	5000
0.3047	1.528	5000
0.3046	1.548	5000
0.3046	1.568	5000
0.3045	1.587	5000
0.3045	1.607	5000
0.3044	1.627	5000
0.3044	1.646	5000

est_theta0	est_theta1	iterations
0.3043	1.666	5000
0.3042	1.686	5000
0.3042	1.706	5000
0.3041	1.726	5000
0.3041	1.745	5000
0.304	1.765	5000
0.304	1.785	5000
0.3039	1.805	5000
0.3039	1.824	5000
0.3038	1.844	5000
0.3038	1.864	5000
0.3037	1.884	5000
0.3036	1.903	5000
0.3036	1.923	5000
0.3036	1.943	5000
0.3035	1.963	5000
0.3034	1.982	5000
0.3034	2.002	5000
0.329	0.0457	5000
0.3289	0.06537	5000
0.3289	0.08532	5000
0.3288	0.105	5000
0.3288	0.1248	5000
0.3287	0.1445	5000
0.3287	0.1642	5000
0.3286	0.1839	5000
0.3286	0.2037	5000
0.3285	0.2236	5000
0.3285	0.2433	5000
0.3284	0.2631	5000
0.3283	0.2828	5000
0.3283	0.3026	5000
0.3283	0.3225	5000
0.3282	0.3422	5000
0.3281	0.3619	5000
0.3281	0.3817	5000
0.328	0.4015	5000
0.328	0.4212	5000
0.3279	0.4408	5000
0.3278	0.4607	5000
0.3278	0.4806	5000
0.3278	0.5003	5000
0.3277	0.52	5000
0.3276	0.5398	5000
0.3276	0.5594	5000
0.3275	0.5793	5000
0.3275	0.5991	5000
0.3274	0.6188	5000
0.3274	0.6385	5000
0.3273	0.6582	5000
0.3273	0.6781	5000
0.3272	0.6979	5000

est_theta0	est_theta1	iterations
0.3271	0.7176	5000
0.3271	0.7374	5000
0.327	0.7572	5000
0.327	0.7769	5000
0.3269	0.7966	5000
0.3269	0.8164	5000
0.3268	0.8362	5000
0.3267	0.8559	5000
0.3267	0.8755	5000
0.3266	0.8955	5000
0.3266	0.9152	5000
0.3265	0.9351	5000
0.3265	0.9547	5000
0.3264	0.9745	5000
0.3264	0.9944	5000
0.3263	1.014	5000
0.3263	1.034	5000
0.3262	1.054	5000
0.3262	1.073	5000
0.3261	1.093	5000
0.326	1.113	5000
0.326	1.133	5000
0.3259	1.152	5000
0.3259	1.172	5000
0.3258	1.192	5000
0.3258	1.212	5000
0.3257	1.232	5000
0.3257	1.251	5000
0.3256	1.271	5000
0.3255	1.291	5000
0.3255	1.31	5000
0.3254	1.33	5000
0.3254	1.35	5000
0.3253	1.37	5000
0.3253	1.389	5000
0.3252	1.409	5000
0.3252	1.429	5000
0.3251	1.449	5000
0.3251	1.469	5000
0.325	1.488	5000
0.3249	1.508	5000
0.3249	1.528	5000
0.3248	1.548	5000
0.3248	1.567	5000
0.3247	1.587	5000
0.3246	1.607	5000
0.3246	1.627	5000
0.3246	1.647	5000
0.3245	1.666	5000
0.3244	1.686	5000
0.3244	1.706	5000
0.3243	1.726	5000

est_theta0	est_theta1	iterations
0.3243	1.745	5000
0.3242	1.765	5000
0.3242	1.785	5000
0.3241	1.805	5000
0.3241	1.824	5000
0.324	1.844	5000
0.3239	1.864	5000
0.3239	1.884	5000
0.3238	1.903	5000
0.3238	1.923	5000
0.3237	1.943	5000
0.3237	1.962	5000
0.3236	1.982	5000
0.3236	2.002	5000
0.3492	0.04561	5000
0.3492	0.06551	5000
0.3491	0.08508	5000
0.349	0.1048	5000
0.349	0.1247	5000
0.3489	0.1444	5000
0.3489	0.1643	5000
0.3488	0.184	5000
0.3487	0.2036	5000
0.3487	0.2234	5000
0.3487	0.2433	5000
0.3486	0.263	5000
0.3485	0.2828	5000
0.3485	0.3025	5000
0.3484	0.3223	5000
0.3484	0.3421	5000
0.3483	0.3618	5000
0.3483	0.3817	5000
0.3482	0.4013	5000
0.3482	0.4212	5000
0.3481	0.4408	5000
0.348	0.4606	5000
0.348	0.4804	5000
0.3479	0.5002	5000
0.3479	0.5199	5000
0.3478	0.5397	5000
0.3478	0.5594	5000
0.3477	0.5791	5000
0.3476	0.5989	5000
0.3476	0.6188	5000
0.3476	0.6386	5000
0.3475	0.6582	5000
0.3474	0.6781	5000
0.3474	0.6978	5000
0.3473	0.7174	5000
0.3473	0.7373	5000
0.3472	0.7571	5000
0.3472	0.7769	5000

est_theta0	est_theta1	iterations
0.3471	0.7966	5000
0.3471	0.8165	5000
0.347	0.8361	5000
0.347	0.856	5000
0.3469	0.8757	5000
0.3468	0.8953	5000
0.3468	0.9151	5000
0.3467	0.935	5000
0.3467	0.9546	5000
0.3466	0.9744	5000
0.3465	0.9942	5000
0.3465	1.014	5000
0.3464	1.034	5000
0.3464	1.054	5000
0.3464	1.073	5000
0.3463	1.093	5000
0.3462	1.113	5000
0.3462	1.133	5000
0.3461	1.152	5000
0.3461	1.172	5000
0.346	1.192	5000
0.346	1.212	5000
0.3459	1.231	5000
0.3458	1.251	5000
0.3458	1.271	5000
0.3457	1.291	5000
0.3457	1.311	5000
0.3456	1.33	5000
0.3456	1.35	5000
0.3455	1.37	5000
0.3455	1.389	5000
0.3454	1.409	5000
0.3454	1.429	5000
0.3453	1.449	5000
0.3452	1.469	5000
0.3452	1.488	5000
0.3451	1.508	5000
0.3451	1.528	5000
0.345	1.548	5000
0.345	1.567	5000
0.3449	1.587	5000
0.3449	1.607	5000
0.3448	1.627	5000
0.3447	1.646	5000
0.3447	1.666	5000
0.3446	1.686	5000
0.3446	1.706	5000
0.3445	1.725	5000
0.3445	1.745	5000
0.3444	1.765	5000
0.3444	1.785	5000
0.3443	1.805	5000

est_theta0	est_theta1	iterations
0.3442	1.824	5000
0.3442	1.844	5000
0.3441	1.864	5000
0.3441	1.884	5000
0.344	1.903	5000
0.344	1.923	5000
0.3439	1.943	5000
0.3439	1.963	5000
0.3438	1.982	5000
0.3438	2.002	5000
0.3694	0.04561	5000
0.3694	0.06543	5000
0.3693	0.08523	5000
0.3692	0.1048	5000
0.3692	0.1246	5000
0.3691	0.1443	5000
0.3691	0.1642	5000
0.369	0.184	5000
0.3689	0.2036	5000
0.3689	0.2235	5000
0.3688	0.2432	5000
0.3688	0.2628	5000
0.3688	0.2828	5000
0.3687	0.3025	5000
0.3686	0.3222	5000
0.3686	0.342	5000
0.3685	0.3617	5000
0.3684	0.3814	5000
0.3684	0.4012	5000
0.3683	0.4208	5000
0.3683	0.4408	5000
0.3682	0.4607	5000
0.3682	0.4803	5000
0.3681	0.5	5000
0.3681	0.5198	5000
0.368	0.5396	5000
0.368	0.5595	5000
0.3679	0.5792	5000
0.3679	0.5989	5000
0.3678	0.6187	5000
0.3677	0.6384	5000
0.3677	0.6582	5000
0.3676	0.6781	5000
0.3676	0.6978	5000
0.3675	0.7176	5000
0.3675	0.7372	5000
0.3674	0.757	5000
0.3673	0.7767	5000
0.3673	0.7965	5000
0.3672	0.8163	5000
0.3672	0.8362	5000
0.3671	0.8558	5000

est_theta0	est_theta1	iterations
0.3671	0.8755	5000
0.367	0.8953	5000
0.367	0.9152	5000
0.3669	0.9348	5000
0.3669	0.9547	5000
0.3668	0.9744	5000
0.3668	0.9941	5000
0.3667	1.014	5000
0.3667	1.034	5000
0.3666	1.054	5000
0.3665	1.073	5000
0.3665	1.093	5000
0.3664	1.113	5000
0.3664	1.132	5000
0.3663	1.152	5000
0.3662	1.172	5000
0.3662	1.192	5000
0.3661	1.212	5000
0.3661	1.231	5000
0.366	1.251	5000
0.366	1.271	5000
0.3659	1.291	5000
0.3659	1.31	5000
0.3658	1.33	5000
0.3658	1.35	5000
0.3657	1.37	5000
0.3657	1.389	5000
0.3656	1.409	5000
0.3655	1.429	5000
0.3655	1.449	5000
0.3654	1.468	5000
0.3654	1.488	5000
0.3653	1.508	5000
0.3653	1.528	5000
0.3652	1.547	5000
0.3651	1.567	5000
0.3651	1.587	5000
0.3651	1.607	5000
0.365	1.627	5000
0.3649	1.646	5000
0.3649	1.666	5000
0.3648	1.686	5000
0.3648	1.706	5000
0.3647	1.725	5000
0.3647	1.745	5000
0.3646	1.765	5000
0.3645	1.785	5000
0.3645	1.804	5000
0.3645	1.824	5000
0.3644	1.844	5000
0.3643	1.864	5000
0.3643	1.883	5000

est_theta0	est_theta1	iterations
0.3642	1.903	5000
0.3642	1.923	5000
0.3641	1.943	5000
0.364	1.962	5000
0.364	1.982	5000
0.3639	2.002	5000
0.3896	0.04558	5000
0.3895	0.06522	5000
0.3895	0.08495	5000
0.3894	0.1047	5000
0.3894	0.1246	5000
0.3893	0.1443	5000
0.3892	0.164	5000
0.3892	0.1837	5000
0.3891	0.2035	5000
0.3891	0.2233	5000
0.389	0.2431	5000
0.389	0.2628	5000
0.3889	0.2827	5000
0.3889	0.3024	5000
0.3888	0.3222	5000
0.3888	0.3419	5000
0.3887	0.3618	5000
0.3886	0.3814	5000
0.3886	0.4012	5000
0.3885	0.4209	5000
0.3885	0.4409	5000
0.3884	0.4605	5000
0.3884	0.4803	5000
0.3883	0.5	5000
0.3883	0.5198	5000
0.3882	0.5396	5000
0.3882	0.5594	5000
0.3881	0.579	5000
0.388	0.5988	5000
0.388	0.6186	5000
0.3879	0.6384	5000
0.3879	0.6581	5000
0.3878	0.6778	5000
0.3878	0.6977	5000
0.3877	0.7173	5000
0.3877	0.7371	5000
0.3876	0.757	5000
0.3875	0.7767	5000
0.3875	0.7966	5000
0.3874	0.8163	5000
0.3874	0.836	5000
0.3873	0.8557	5000
0.3873	0.8755	5000
0.3872	0.8953	5000
0.3872	0.9151	5000
0.3871	0.9349	5000

est_theta0	est_theta1	iterations
0.387	0.9545	5000
0.387	0.9743	5000
0.387	0.9942	5000
0.3869	1.014	5000
0.3868	1.033	5000
0.3868	1.053	5000
0.3867	1.073	5000
0.3867	1.093	5000
0.3866	1.113	5000
0.3866	1.132	5000
0.3865	1.152	5000
0.3864	1.172	5000
0.3864	1.192	5000
0.3863	1.211	5000
0.3863	1.231	5000
0.3862	1.251	5000
0.3862	1.271	5000
0.3861	1.29	5000
0.3861	1.31	5000
0.386	1.33	5000
0.386	1.35	5000
0.3859	1.37	5000
0.3858	1.389	5000
0.3858	1.409	5000
0.3857	1.429	5000
0.3857	1.449	5000
0.3856	1.468	5000
0.3856	1.488	5000
0.3855	1.508	5000
0.3855	1.528	5000
0.3854	1.547	5000
0.3853	1.567	5000
0.3853	1.587	5000
0.3853	1.607	5000
0.3852	1.627	5000
0.3851	1.646	5000
0.3851	1.666	5000
0.385	1.686	5000
0.385	1.706	5000
0.3849	1.725	5000
0.3849	1.745	5000
0.3848	1.765	5000
0.3847	1.785	5000
0.3847	1.804	5000
0.3846	1.824	5000
0.3846	1.844	5000
0.3845	1.864	5000
0.3845	1.884	5000
0.3844	1.903	5000
0.3844	1.923	5000
0.3843	1.943	5000
0.3843	1.962	5000

est_theta0	est_theta1	iterations
0.3842	1.982	5000
0.3842	2.002	5000
0.4098	0.04544	5000
0.4097	0.06509	5000
0.4097	0.08492	5000
0.4096	0.1047	5000
0.4096	0.1245	5000
0.4095	0.1442	5000
0.4094	0.1639	5000
0.4094	0.1838	5000
0.4093	0.2037	5000
0.4093	0.2233	5000
0.4092	0.2432	5000
0.4092	0.2628	5000
0.4091	0.2827	5000
0.409	0.3022	5000
0.409	0.3221	5000
0.409	0.3419	5000
0.4089	0.3616	5000
0.4088	0.3814	5000
0.4088	0.4013	5000
0.4087	0.421	5000
0.4087	0.4406	5000
0.4086	0.4605	5000
0.4086	0.4803	5000
0.4085	0.5	5000
0.4084	0.5197	5000
0.4084	0.5396	5000
0.4083	0.5593	5000
0.4083	0.5791	5000
0.4082	0.5988	5000
0.4082	0.6186	5000
0.4081	0.6384	5000
0.4081	0.6581	5000
0.408	0.6779	5000
0.408	0.6976	5000
0.4079	0.7173	5000
0.4078	0.7371	5000
0.4078	0.7569	5000
0.4078	0.7767	5000
0.4077	0.7965	5000
0.4076	0.8162	5000
0.4076	0.836	5000
0.4075	0.8557	5000
0.4075	0.8755	5000
0.4074	0.8953	5000
0.4073	0.9149	5000
0.4073	0.9348	5000
0.4073	0.9546	5000
0.4072	0.9742	5000
0.4071	0.9941	5000
0.4071	1.014	5000

est_theta0	est_theta1	iterations
0.407	1.034	5000
0.407	1.054	5000
0.4069	1.073	5000
0.4069	1.093	5000
0.4068	1.113	5000
0.4068	1.132	5000
0.4067	1.152	5000
0.4066	1.172	5000
0.4066	1.192	5000
0.4065	1.211	5000
0.4065	1.231	5000
0.4064	1.251	5000
0.4064	1.271	5000
0.4063	1.29	5000
0.4063	1.31	5000
0.4062	1.33	5000
0.4062	1.35	5000
0.4061	1.369	5000
0.406	1.389	5000
0.406	1.409	5000
0.4059	1.429	5000
0.4059	1.449	5000
0.4058	1.468	5000
0.4058	1.488	5000
0.4057	1.508	5000
0.4056	1.528	5000
0.4056	1.547	5000
0.4055	1.567	5000
0.4055	1.587	5000
0.4054	1.607	5000
0.4054	1.626	5000
0.4053	1.646	5000
0.4053	1.666	5000
0.4052	1.686	5000
0.4052	1.706	5000
0.4051	1.725	5000
0.405	1.745	5000
0.405	1.765	5000
0.4049	1.785	5000
0.4049	1.804	5000
0.4048	1.824	5000
0.4048	1.844	5000
0.4047	1.864	5000
0.4047	1.883	5000
0.4046	1.903	5000
0.4046	1.923	5000
0.4045	1.943	5000
0.4044	1.962	5000
0.4044	1.982	5000
0.4043	2.002	5000
0.43	0.04539	5000
0.4299	0.06522	5000

est_theta0	est_theta1	iterations
0.4298	0.08485	5000
0.4298	0.1046	5000
0.4298	0.1245	5000
0.4297	0.1441	5000
0.4296	0.164	5000
0.4296	0.1837	5000
0.4295	0.2035	5000
0.4295	0.2233	5000
0.4294	0.243	5000
0.4294	0.2628	5000
0.4293	0.2825	5000
0.4292	0.3022	5000
0.4292	0.3221	5000
0.4291	0.3418	5000
0.4291	0.3617	5000
0.429	0.3813	5000
0.429	0.401	5000
0.4289	0.421	5000
0.4289	0.4406	5000
0.4288	0.4603	5000
0.4288	0.4801	5000
0.4287	0.4999	5000
0.4286	0.5196	5000
0.4286	0.5393	5000
0.4286	0.5592	5000
0.4285	0.579	5000
0.4284	0.5988	5000
0.4284	0.6186	5000
0.4283	0.6382	5000
0.4283	0.658	5000
0.4282	0.6778	5000
0.4281	0.6975	5000
0.4281	0.7173	5000
0.428	0.737	5000
0.428	0.7568	5000
0.4279	0.7765	5000
0.4279	0.7963	5000
0.4278	0.8161	5000
0.4278	0.8358	5000
0.4277	0.8557	5000
0.4276	0.8754	5000
0.4276	0.8952	5000
0.4276	0.9149	5000
0.4275	0.9347	5000
0.4274	0.9544	5000
0.4274	0.9742	5000
0.4273	0.994	5000
0.4273	1.014	5000
0.4272	1.034	5000
0.4272	1.053	5000
0.4271	1.073	5000
0.4271	1.093	5000

est_theta0	est_theta1	iterations
0.427	1.113	5000
0.427	1.132	5000
0.4269	1.152	5000
0.4268	1.172	5000
0.4268	1.192	5000
0.4267	1.211	5000
0.4267	1.231	5000
0.4266	1.251	5000
0.4266	1.271	5000
0.4265	1.29	5000
0.4264	1.31	5000
0.4264	1.33	5000
0.4263	1.35	5000
0.4263	1.369	5000
0.4262	1.389	5000
0.4262	1.409	5000
0.4261	1.429	5000
0.4261	1.449	5000
0.426	1.468	5000
0.426	1.488	5000
0.4259	1.508	5000
0.4258	1.528	5000
0.4258	1.547	5000
0.4257	1.567	5000
0.4257	1.587	5000
0.4256	1.607	5000
0.4256	1.626	5000
0.4255	1.646	5000
0.4255	1.666	5000
0.4254	1.686	5000
0.4254	1.706	5000
0.4253	1.725	5000
0.4252	1.745	5000
0.4252	1.765	5000
0.4251	1.784	5000
0.4251	1.804	5000
0.425	1.824	5000
0.425	1.844	5000
0.4249	1.863	5000
0.4248	1.883	5000
0.4248	1.903	5000
0.4247	1.923	5000
0.4247	1.943	5000
0.4246	1.962	5000
0.4246	1.982	5000
0.4245	2.002	5000
0.4501	0.04516	5000
0.4501	0.06512	5000
0.4501	0.08485	5000
0.45	0.1046	5000
0.4499	0.1243	5000
0.4499	0.1442	5000

est_theta0	est_theta1	iterations
0.4498	0.164	5000
0.4498	0.1836	5000
0.4497	0.2033	5000
0.4497	0.2232	5000
0.4496	0.2429	5000
0.4495	0.2626	5000
0.4495	0.2825	5000
0.4494	0.3021	5000
0.4494	0.322	5000
0.4493	0.3417	5000
0.4493	0.3615	5000
0.4492	0.3812	5000
0.4492	0.401	5000
0.4491	0.4208	5000
0.4491	0.4406	5000
0.449	0.4604	5000
0.4489	0.4801	5000
0.4489	0.4997	5000
0.4488	0.5196	5000
0.4488	0.5394	5000
0.4487	0.5592	5000
0.4487	0.5789	5000
0.4486	0.5987	5000
0.4486	0.6185	5000
0.4485	0.6383	5000
0.4485	0.658	5000
0.4484	0.6777	5000
0.4484	0.6975	5000
0.4483	0.7171	5000
0.4482	0.737	5000
0.4482	0.7567	5000
0.4481	0.7765	5000
0.4481	0.7962	5000
0.448	0.816	5000
0.4479	0.8357	5000
0.4479	0.8555	5000
0.4478	0.8753	5000
0.4478	0.8951	5000
0.4477	0.9149	5000
0.4477	0.9347	5000
0.4476	0.9543	5000
0.4476	0.9741	5000
0.4475	0.994	5000
0.4474	1.014	5000
0.4474	1.033	5000
0.4474	1.053	5000
0.4473	1.073	5000
0.4472	1.093	5000
0.4472	1.112	5000
0.4471	1.132	5000
0.4471	1.152	5000
0.447	1.172	5000

est_theta0	est_theta1	iterations
0.447	1.191	5000
0.4469	1.211	5000
0.4469	1.231	5000
0.4468	1.251	5000
0.4468	1.271	5000
0.4467	1.29	5000
0.4466	1.31	5000
0.4466	1.33	5000
0.4465	1.35	5000
0.4465	1.369	5000
0.4464	1.389	5000
0.4464	1.409	5000
0.4463	1.429	5000
0.4463	1.448	5000
0.4462	1.468	5000
0.4461	1.488	5000
0.4461	1.508	5000
0.446	1.528	5000
0.446	1.547	5000
0.4459	1.567	5000
0.4459	1.587	5000
0.4458	1.607	5000
0.4457	1.626	5000
0.4457	1.646	5000
0.4457	1.666	5000
0.4456	1.686	5000
0.4455	1.705	5000
0.4455	1.725	5000
0.4454	1.745	5000
0.4454	1.765	5000
0.4453	1.784	5000
0.4453	1.804	5000
0.4452	1.824	5000
0.4452	1.844	5000
0.4451	1.863	5000
0.445	1.883	5000
0.445	1.903	5000
0.4449	1.923	5000
0.4449	1.943	5000
0.4448	1.962	5000
0.4448	1.982	5000
0.4447	2.002	5000
0.4704	0.04526	5000
0.4703	0.0651	5000
0.4702	0.08477	5000
0.4702	0.1046	5000
0.4701	0.1242	5000
0.4701	0.1441	5000
0.47	0.1638	5000
0.47	0.1835	5000
0.4699	0.2032	5000
0.4699	0.2232	5000

est_theta0	est_theta1	iterations
0.4698	0.243	5000
0.4698	0.2627	5000
0.4697	0.2824	5000
0.4696	0.3021	5000
0.4696	0.3219	5000
0.4695	0.3417	5000
0.4695	0.3614	5000
0.4694	0.3811	5000
0.4693	0.4009	5000
0.4693	0.4206	5000
0.4693	0.4405	5000
0.4692	0.4603	5000
0.4692	0.4801	5000
0.4691	0.4998	5000
0.469	0.5195	5000
0.469	0.5393	5000
0.4689	0.559	5000
0.4689	0.5788	5000
0.4688	0.5986	5000
0.4688	0.6183	5000
0.4687	0.6381	5000
0.4686	0.6579	5000
0.4686	0.6777	5000
0.4685	0.6974	5000
0.4685	0.7172	5000
0.4684	0.7369	5000
0.4684	0.7566	5000
0.4683	0.7765	5000
0.4683	0.7962	5000
0.4682	0.816	5000
0.4681	0.8356	5000
0.4681	0.8555	5000
0.4681	0.8753	5000
0.468	0.8951	5000
0.4679	0.9147	5000
0.4679	0.9345	5000
0.4678	0.9543	5000
0.4678	0.9742	5000
0.4677	0.9939	5000
0.4677	1.014	5000
0.4676	1.033	5000
0.4675	1.053	5000
0.4675	1.073	5000
0.4674	1.093	5000
0.4674	1.113	5000
0.4673	1.132	5000
0.4673	1.152	5000
0.4672	1.172	5000
0.4672	1.191	5000
0.4671	1.211	5000
0.467	1.231	5000
0.467	1.251	5000

est_theta0	est_theta1	iterations
0.4669	1.27	5000
0.4669	1.29	5000
0.4668	1.31	5000
0.4668	1.33	5000
0.4667	1.35	5000
0.4667	1.369	5000
0.4666	1.389	5000
0.4666	1.409	5000
0.4665	1.429	5000
0.4664	1.448	5000
0.4664	1.468	5000
0.4663	1.488	5000
0.4663	1.508	5000
0.4662	1.527	5000
0.4662	1.547	5000
0.4661	1.567	5000
0.4661	1.587	5000
0.466	1.606	5000
0.466	1.626	5000
0.4659	1.646	5000
0.4658	1.666	5000
0.4658	1.685	5000
0.4657	1.705	5000
0.4657	1.725	5000
0.4656	1.745	5000
0.4656	1.764	5000
0.4655	1.784	5000
0.4654	1.804	5000
0.4654	1.824	5000
0.4654	1.844	5000
0.4653	1.863	5000
0.4652	1.883	5000
0.4652	1.903	5000
0.4651	1.923	5000
0.4651	1.943	5000
0.465	1.962	5000
0.465	1.982	5000
0.4649	2.002	5000
0.4905	0.0452	5000
0.4905	0.06497	5000
0.4904	0.08462	5000
0.4904	0.1044	5000
0.4903	0.1243	5000
0.4903	0.144	5000
0.4902	0.1637	5000
0.4902	0.1835	5000
0.4901	0.2033	5000
0.49	0.223	5000
0.49	0.2428	5000
0.4899	0.2625	5000
0.4899	0.2822	5000
0.4899	0.3023	5000

est_theta0	est_theta1	iterations
0.4898	0.3218	5000
0.4897	0.3416	5000
0.4897	0.3613	5000
0.4896	0.3811	5000
0.4896	0.4009	5000
0.4895	0.4206	5000
0.4894	0.4404	5000
0.4894	0.4602	5000
0.4893	0.4799	5000
0.4893	0.4997	5000
0.4892	0.5194	5000
0.4892	0.5394	5000
0.4891	0.5589	5000
0.4891	0.5788	5000
0.489	0.5985	5000
0.489	0.6183	5000
0.4889	0.6382	5000
0.4888	0.6579	5000
0.4888	0.6775	5000
0.4887	0.6974	5000
0.4887	0.7171	5000
0.4886	0.737	5000
0.4886	0.7567	5000
0.4885	0.7765	5000
0.4885	0.7962	5000
0.4884	0.816	5000
0.4883	0.8356	5000
0.4883	0.8555	5000
0.4882	0.8752	5000
0.4882	0.8949	5000
0.4881	0.9146	5000
0.4881	0.9345	5000
0.488	0.9542	5000
0.488	0.974	5000
0.4879	0.9939	5000
0.4879	1.014	5000
0.4878	1.033	5000
0.4877	1.053	5000
0.4877	1.073	5000
0.4876	1.093	5000
0.4876	1.112	5000
0.4875	1.132	5000
0.4875	1.152	5000
0.4874	1.172	5000
0.4873	1.191	5000
0.4873	1.211	5000
0.4872	1.231	5000
0.4872	1.251	5000
0.4871	1.27	5000
0.4871	1.29	5000
0.487	1.31	5000
0.487	1.33	5000

est_theta0	est_theta1	iterations
0.4869	1.35	5000
0.4869	1.369	5000
0.4868	1.389	5000
0.4867	1.409	5000
0.4867	1.429	5000
0.4866	1.448	5000
0.4866	1.468	5000
0.4865	1.488	5000
0.4865	1.508	5000
0.4864	1.527	5000
0.4864	1.547	5000
0.4863	1.567	5000
0.4863	1.587	5000
0.4862	1.606	5000
0.4861	1.626	5000
0.4861	1.646	5000
0.486	1.666	5000
0.486	1.686	5000
0.4859	1.705	5000
0.4859	1.725	5000
0.4858	1.745	5000
0.4858	1.764	5000
0.4857	1.784	5000
0.4856	1.804	5000
0.4856	1.824	5000
0.4855	1.844	5000
0.4855	1.863	5000
0.4854	1.883	5000
0.4854	1.903	5000
0.4853	1.923	5000
0.4853	1.942	5000
0.4852	1.962	5000
0.4852	1.982	5000
0.4851	2.002	5000
0.5107	0.0451	5000
0.5107	0.0648	5000
0.5106	0.08458	5000
0.5106	0.1044	5000
0.5105	0.1242	5000
0.5105	0.144	5000
0.5104	0.1635	5000
0.5103	0.1834	5000
0.5103	0.2032	5000
0.5102	0.2229	5000
0.5102	0.2427	5000
0.5101	0.2625	5000
0.5101	0.2822	5000
0.51	0.302	5000
0.51	0.3217	5000
0.5099	0.3415	5000
0.5098	0.3612	5000
0.5098	0.381	5000

est_theta0	est_theta1	iterations
0.5097	0.4007	5000
0.5097	0.4206	5000
0.5096	0.4404	5000
0.5096	0.4602	5000
0.5095	0.4798	5000
0.5095	0.4997	5000
0.5094	0.5195	5000
0.5094	0.5392	5000
0.5093	0.5589	5000
0.5092	0.5786	5000
0.5092	0.5984	5000
0.5092	0.6183	5000
0.5091	0.6379	5000
0.5091	0.658	5000
0.509	0.6775	5000
0.5089	0.6972	5000
0.5089	0.717	5000
0.5088	0.7366	5000
0.5087	0.7565	5000
0.5087	0.7763	5000
0.5086	0.796	5000
0.5086	0.8159	5000
0.5085	0.8356	5000
0.5085	0.8554	5000
0.5084	0.8752	5000
0.5084	0.895	5000
0.5083	0.9147	5000
0.5083	0.9344	5000
0.5082	0.9542	5000
0.5081	0.9739	5000
0.5081	0.9937	5000
0.508	1.013	5000
0.508	1.033	5000
0.5079	1.053	5000
0.5079	1.073	5000
0.5078	1.092	5000
0.5078	1.112	5000
0.5077	1.132	5000
0.5076	1.152	5000
0.5076	1.172	5000
0.5075	1.191	5000
0.5075	1.211	5000
0.5074	1.231	5000
0.5074	1.251	5000
0.5073	1.27	5000
0.5073	1.29	5000
0.5072	1.31	5000
0.5071	1.33	5000
0.5071	1.349	5000
0.5071	1.369	5000
0.507	1.389	5000
0.5069	1.409	5000

est_theta0	est_theta1	iterations
0.5069	1.428	5000
0.5068	1.448	5000
0.5068	1.468	5000
0.5067	1.488	5000
0.5067	1.508	5000
0.5066	1.527	5000
0.5066	1.547	5000
0.5065	1.567	5000
0.5065	1.587	5000
0.5064	1.606	5000
0.5063	1.626	5000
0.5063	1.646	5000
0.5062	1.666	5000
0.5062	1.685	5000
0.5061	1.705	5000
0.5061	1.725	5000
0.506	1.745	5000
0.5059	1.764	5000
0.5059	1.784	5000
0.5059	1.804	5000
0.5058	1.824	5000
0.5057	1.843	5000
0.5057	1.863	5000
0.5056	1.883	5000
0.5056	1.903	5000
0.5055	1.923	5000
0.5055	1.942	5000
0.5054	1.962	5000
0.5053	1.982	5000
0.5053	2.002	5000
0.5309	0.04514	5000
0.5309	0.06487	5000
0.5308	0.08457	5000
0.5307	0.1042	5000
0.5307	0.1241	5000
0.5307	0.144	5000
0.5306	0.1637	5000
0.5306	0.1834	5000
0.5305	0.2031	5000
0.5304	0.2229	5000
0.5304	0.2427	5000
0.5303	0.2625	5000
0.5303	0.2823	5000
0.5302	0.3019	5000
0.5302	0.3218	5000
0.5301	0.3415	5000
0.53	0.3611	5000
0.53	0.3809	5000
0.5299	0.4008	5000
0.5299	0.4205	5000
0.5298	0.4404	5000
0.5297	0.4599	5000

est_theta0	est_theta1	iterations
0.5297	0.4799	5000
0.5297	0.4995	5000
0.5296	0.5194	5000
0.5296	0.5391	5000
0.5295	0.5589	5000
0.5295	0.5787	5000
0.5294	0.5983	5000
0.5293	0.6182	5000
0.5293	0.638	5000
0.5292	0.6577	5000
0.5292	0.6774	5000
0.5291	0.6972	5000
0.5291	0.717	5000
0.529	0.7368	5000
0.5289	0.7565	5000
0.5289	0.7763	5000
0.5289	0.7962	5000
0.5288	0.8158	5000
0.5287	0.8356	5000
0.5287	0.8555	5000
0.5286	0.875	5000
0.5285	0.8946	5000
0.5285	0.9146	5000
0.5285	0.9344	5000
0.5284	0.9541	5000
0.5284	0.974	5000
0.5283	0.9938	5000
0.5282	1.013	5000
0.5282	1.033	5000
0.5281	1.053	5000
0.5281	1.073	5000
0.528	1.092	5000
0.528	1.112	5000
0.5279	1.132	5000
0.5279	1.152	5000
0.5278	1.171	5000
0.5277	1.191	5000
0.5277	1.211	5000
0.5276	1.231	5000
0.5276	1.251	5000
0.5275	1.27	5000
0.5275	1.29	5000
0.5274	1.31	5000
0.5273	1.33	5000
0.5273	1.349	5000
0.5272	1.369	5000
0.5272	1.389	5000
0.5271	1.409	5000
0.5271	1.428	5000
0.527	1.448	5000
0.527	1.468	5000
0.5269	1.488	5000

est_theta0	est_theta1	iterations
0.5269	1.507	5000
0.5268	1.527	5000
0.5267	1.547	5000
0.5267	1.567	5000
0.5266	1.586	5000
0.5266	1.606	5000
0.5265	1.626	5000
0.5265	1.646	5000
0.5264	1.665	5000
0.5264	1.685	5000
0.5263	1.705	5000
0.5263	1.725	5000
0.5262	1.745	5000
0.5262	1.764	5000
0.5261	1.784	5000
0.526	1.804	5000
0.526	1.824	5000
0.5259	1.843	5000
0.5259	1.863	5000
0.5258	1.883	5000
0.5258	1.903	5000
0.5257	1.922	5000
0.5257	1.942	5000
0.5256	1.962	5000
0.5255	1.982	5000
0.5255	2.002	5000
0.5511	0.04497	5000
0.5511	0.06479	5000
0.551	0.0845	5000
0.551	0.1043	5000
0.5509	0.124	5000
0.5508	0.1437	5000
0.5508	0.1635	5000
0.5507	0.1833	5000
0.5507	0.203	5000
0.5506	0.2228	5000
0.5506	0.2427	5000
0.5505	0.2623	5000
0.5505	0.282	5000
0.5504	0.3019	5000
0.5504	0.3217	5000
0.5503	0.3414	5000
0.5502	0.3612	5000
0.5502	0.381	5000
0.5501	0.4006	5000
0.5501	0.4205	5000
0.55	0.4403	5000
0.55	0.46	5000
0.5499	0.4797	5000
0.5498	0.4994	5000
0.5498	0.5193	5000
0.5497	0.5391	5000

est_theta0	est_theta1	iterations
0.5497	0.5588	5000
0.5496	0.5785	5000
0.5496	0.5984	5000
0.5495	0.6181	5000
0.5495	0.6378	5000
0.5494	0.6575	5000
0.5494	0.6774	5000
0.5493	0.6971	5000
0.5493	0.7169	5000
0.5492	0.7366	5000
0.5491	0.7565	5000
0.5491	0.7762	5000
0.549	0.7959	5000
0.549	0.8157	5000
0.5489	0.8355	5000
0.5489	0.8551	5000
0.5488	0.875	5000
0.5488	0.8948	5000
0.5487	0.9146	5000
0.5486	0.9343	5000
0.5486	0.9539	5000
0.5485	0.9738	5000
0.5485	0.9936	5000
0.5484	1.013	5000
0.5484	1.033	5000
0.5483	1.053	5000
0.5483	1.073	5000
0.5482	1.092	5000
0.5481	1.112	5000
0.5481	1.132	5000
0.548	1.152	5000
0.548	1.171	5000
0.5479	1.191	5000
0.5479	1.211	5000
0.5478	1.231	5000
0.5478	1.251	5000
0.5477	1.27	5000
0.5477	1.29	5000
0.5476	1.31	5000
0.5475	1.329	5000
0.5475	1.349	5000
0.5474	1.369	5000
0.5474	1.389	5000
0.5473	1.409	5000
0.5473	1.428	5000
0.5472	1.448	5000
0.5472	1.468	5000
0.5471	1.488	5000
0.5471	1.507	5000
0.547	1.527	5000
0.547	1.547	5000
0.5469	1.567	5000

est_theta0	est_theta1	iterations
0.5468	1.586	5000
0.5468	1.606	5000
0.5467	1.626	5000
0.5467	1.646	5000
0.5466	1.665	5000
0.5465	1.685	5000
0.5465	1.705	5000
0.5464	1.725	5000
0.5464	1.745	5000
0.5463	1.764	5000
0.5463	1.784	5000
0.5462	1.804	5000
0.5462	1.824	5000
0.5461	1.843	5000
0.5461	1.863	5000
0.546	1.883	5000
0.546	1.903	5000
0.5459	1.922	5000
0.5458	1.942	5000
0.5458	1.962	5000
0.5457	1.982	5000
0.5457	2.001	5000
0.5713	0.0449	5000
0.5713	0.06464	5000
0.5712	0.08436	5000
0.5712	0.1043	5000
0.5711	0.1239	5000
0.571	0.1437	5000
0.571	0.1635	5000
0.5709	0.1833	5000
0.5709	0.203	5000
0.5708	0.2227	5000
0.5708	0.2425	5000
0.5707	0.2623	5000
0.5706	0.282	5000
0.5706	0.3018	5000
0.5705	0.3215	5000
0.5705	0.3414	5000
0.5704	0.3612	5000
0.5704	0.3808	5000
0.5703	0.4006	5000
0.5703	0.4205	5000
0.5702	0.4401	5000
0.5702	0.46	5000
0.5701	0.4796	5000
0.57	0.4995	5000
0.57	0.5192	5000
0.5699	0.5389	5000
0.5699	0.5588	5000
0.5698	0.5786	5000
0.5698	0.5984	5000
0.5697	0.618	5000

est_theta0	est_theta1	iterations
0.5697	0.638	5000
0.5696	0.6576	5000
0.5696	0.6773	5000
0.5695	0.697	5000
0.5694	0.7167	5000
0.5694	0.7365	5000
0.5693	0.7564	5000
0.5693	0.7761	5000
0.5692	0.7959	5000
0.5692	0.8156	5000
0.5691	0.8353	5000
0.569	0.8551	5000
0.569	0.8749	5000
0.5689	0.8946	5000
0.5689	0.9144	5000
0.5688	0.9342	5000
0.5688	0.954	5000
0.5687	0.9737	5000
0.5687	0.9935	5000
0.5686	1.013	5000
0.5686	1.033	5000
0.5685	1.053	5000
0.5685	1.073	5000
0.5684	1.092	5000
0.5684	1.112	5000
0.5683	1.132	5000
0.5682	1.152	5000
0.5682	1.171	5000
0.5681	1.191	5000
0.5681	1.211	5000
0.568	1.231	5000
0.568	1.25	5000
0.5679	1.27	5000
0.5678	1.29	5000
0.5678	1.31	5000
0.5677	1.329	5000
0.5677	1.349	5000
0.5676	1.369	5000
0.5676	1.389	5000
0.5675	1.409	5000
0.5675	1.428	5000
0.5674	1.448	5000
0.5674	1.468	5000
0.5673	1.488	5000
0.5672	1.507	5000
0.5672	1.527	5000
0.5671	1.547	5000
0.5671	1.567	5000
0.567	1.586	5000
0.567	1.606	5000
0.5669	1.626	5000
0.5669	1.646	5000

est_theta0	est_theta1	iterations
0.5668	1.665	5000
0.5667	1.685	5000
0.5667	1.705	5000
0.5666	1.725	5000
0.5666	1.745	5000
0.5665	1.764	5000
0.5665	1.784	5000
0.5664	1.804	5000
0.5664	1.824	5000
0.5663	1.843	5000
0.5663	1.863	5000
0.5662	1.883	5000
0.5661	1.903	5000
0.5661	1.922	5000
0.566	1.942	5000
0.566	1.962	5000
0.5659	1.982	5000
0.5659	2.001	5000
0.5915	0.04493	5000
0.5914	0.06464	5000
0.5914	0.0844	5000
0.5913	0.1041	5000
0.5913	0.1238	5000
0.5912	0.1436	5000
0.5912	0.1633	5000
0.5911	0.1831	5000
0.5911	0.2031	5000
0.591	0.2226	5000
0.591	0.2425	5000
0.5909	0.2622	5000
0.5909	0.2821	5000
0.5908	0.3018	5000
0.5907	0.3215	5000
0.5907	0.3413	5000
0.5906	0.361	5000
0.5906	0.3809	5000
0.5905	0.4006	5000
0.5905	0.4204	5000
0.5904	0.44	5000
0.5904	0.4599	5000
0.5903	0.4796	5000
0.5902	0.4994	5000
0.5902	0.5191	5000
0.5901	0.5388	5000
0.5901	0.5586	5000
0.59	0.5786	5000
0.59	0.5983	5000
0.5899	0.6179	5000
0.5899	0.6377	5000
0.5898	0.6576	5000
0.5897	0.6772	5000
0.5897	0.697	5000

est_theta0	est_theta1	iterations
0.5896	0.7166	5000
0.5896	0.7365	5000
0.5895	0.7562	5000
0.5895	0.7761	5000
0.5894	0.7958	5000
0.5894	0.8157	5000
0.5893	0.8353	5000
0.5892	0.8551	5000
0.5892	0.8748	5000
0.5891	0.8947	5000
0.5891	0.9144	5000
0.589	0.9342	5000
0.589	0.9541	5000
0.5889	0.9737	5000
0.5889	0.9934	5000
0.5888	1.013	5000
0.5887	1.033	5000
0.5887	1.053	5000
0.5887	1.073	5000
0.5886	1.092	5000
0.5885	1.112	5000
0.5885	1.132	5000
0.5884	1.152	5000
0.5884	1.171	5000
0.5883	1.191	5000
0.5883	1.211	5000
0.5882	1.231	5000
0.5882	1.25	5000
0.5881	1.27	5000
0.588	1.29	5000
0.588	1.31	5000
0.5879	1.329	5000
0.5879	1.349	5000
0.5878	1.369	5000
0.5878	1.389	5000
0.5877	1.409	5000
0.5877	1.428	5000
0.5876	1.448	5000
0.5876	1.468	5000
0.5875	1.488	5000
0.5874	1.507	5000
0.5874	1.527	5000
0.5873	1.547	5000
0.5873	1.567	5000
0.5872	1.586	5000
0.5872	1.606	5000
0.5871	1.626	5000
0.5871	1.646	5000
0.587	1.665	5000
0.5869	1.685	5000
0.5869	1.705	5000
0.5868	1.725	5000

est_theta0	est_theta1	iterations
0.5868	1.744	5000
0.5867	1.764	5000
0.5867	1.784	5000
0.5866	1.804	5000
0.5865	1.823	5000
0.5865	1.843	5000
0.5865	1.863	5000
0.5864	1.883	5000
0.5864	1.903	5000
0.5863	1.922	5000
0.5862	1.942	5000
0.5861	1.962	5000
0.5861	1.981	5000
0.5861	2.001	5000
0.6117	0.04469	5000
0.6116	0.06448	5000
0.6116	0.08431	5000
0.6115	0.1041	5000
0.6115	0.1239	5000
0.6114	0.1436	5000
0.6114	0.1634	5000
0.6113	0.1831	5000
0.6112	0.2029	5000
0.6112	0.2227	5000
0.6111	0.2423	5000
0.6111	0.2621	5000
0.611	0.282	5000
0.611	0.3017	5000
0.6109	0.3214	5000
0.6109	0.3413	5000
0.6108	0.361	5000
0.6108	0.3808	5000
0.6107	0.4006	5000
0.6106	0.4202	5000
0.6106	0.4401	5000
0.6105	0.4597	5000
0.6105	0.4796	5000
0.6104	0.4994	5000
0.6104	0.519	5000
0.6103	0.5389	5000
0.6103	0.5586	5000
0.6102	0.5784	5000
0.6101	0.598	5000
0.6101	0.6179	5000
0.61	0.6376	5000
0.61	0.6575	5000
0.6099	0.6771	5000
0.6099	0.6971	5000
0.6098	0.7167	5000
0.6098	0.7366	5000
0.6097	0.7562	5000
0.6097	0.776	5000

est_theta0	est_theta1	iterations
0.6096	0.7957	5000
0.6095	0.8154	5000
0.6095	0.8353	5000
0.6094	0.8551	5000
0.6094	0.8748	5000
0.6093	0.8946	5000
0.6093	0.9142	5000
0.6092	0.9341	5000
0.6092	0.9538	5000
0.6091	0.9736	5000
0.6091	0.9934	5000
0.609	1.013	5000
0.6089	1.033	5000
0.6089	1.052	5000
0.6088	1.072	5000
0.6088	1.092	5000
0.6087	1.112	5000
0.6087	1.132	5000
0.6086	1.151	5000
0.6086	1.171	5000
0.6085	1.191	5000
0.6084	1.211	5000
0.6084	1.23	5000
0.6084	1.25	5000
0.6083	1.27	5000
0.6082	1.29	5000
0.6082	1.31	5000
0.6081	1.329	5000
0.6081	1.349	5000
0.608	1.369	5000
0.608	1.389	5000
0.6079	1.408	5000
0.6079	1.428	5000
0.6078	1.448	5000
0.6077	1.468	5000
0.6077	1.487	5000
0.6076	1.507	5000
0.6076	1.527	5000
0.6075	1.547	5000
0.6075	1.566	5000
0.6074	1.586	5000
0.6074	1.606	5000
0.6073	1.626	5000
0.6073	1.646	5000
0.6072	1.665	5000
0.6071	1.685	5000
0.6071	1.705	5000
0.607	1.725	5000
0.607	1.744	5000
0.6069	1.764	5000
0.6068	1.784	5000
0.6068	1.804	5000

est_theta0	est_theta1	iterations
0.6067	1.823	5000
0.6067	1.843	5000
0.6067	1.863	5000
0.6066	1.883	5000
0.6066	1.903	5000
0.6065	1.922	5000
0.6064	1.942	5000
0.6064	1.962	5000
0.6063	1.982	5000
0.6063	2.001	5000
0.6319	0.04474	5000
0.6318	0.06447	5000
0.6318	0.08417	5000
0.6317	0.1039	5000
0.6317	0.1238	5000
0.6316	0.1435	5000
0.6316	0.1633	5000
0.6315	0.1831	5000
0.6315	0.2029	5000
0.6314	0.2226	5000
0.6313	0.2423	5000
0.6313	0.2622	5000
0.6312	0.2818	5000
0.6312	0.3016	5000
0.6311	0.3214	5000
0.6311	0.3412	5000
0.631	0.361	5000
0.6309	0.3806	5000
0.6309	0.4004	5000
0.6309	0.4203	5000
0.6308	0.4399	5000
0.6307	0.4598	5000
0.6307	0.4795	5000
0.6306	0.4993	5000
0.6306	0.519	5000
0.6305	0.5387	5000
0.6304	0.5584	5000
0.6304	0.5783	5000
0.6304	0.5981	5000
0.6303	0.6179	5000
0.6302	0.6375	5000
0.6302	0.6572	5000
0.6301	0.6771	5000
0.6301	0.697	5000
0.63	0.7166	5000
0.63	0.7364	5000
0.6299	0.7562	5000
0.6299	0.776	5000
0.6298	0.7957	5000
0.6297	0.8155	5000
0.6297	0.8353	5000
0.6296	0.8548	5000

est_theta0	est_theta1	iterations
0.6296	0.875	5000
0.6295	0.8945	5000
0.6295	0.9143	5000
0.6294	0.934	5000
0.6294	0.9538	5000
0.6293	0.9736	5000
0.6292	0.9932	5000
0.6292	1.013	5000
0.6291	1.033	5000
0.6291	1.053	5000
0.629	1.072	5000
0.629	1.092	5000
0.6289	1.112	5000
0.6289	1.132	5000
0.6288	1.152	5000
0.6288	1.171	5000
0.6287	1.191	5000
0.6286	1.211	5000
0.6286	1.23	5000
0.6285	1.25	5000
0.6285	1.27	5000
0.6284	1.29	5000
0.6284	1.309	5000
0.6283	1.329	5000
0.6283	1.349	5000
0.6282	1.369	5000
0.6281	1.388	5000
0.6281	1.408	5000
0.628	1.428	5000
0.628	1.448	5000
0.6279	1.468	5000
0.6279	1.487	5000
0.6278	1.507	5000
0.6278	1.527	5000
0.6277	1.547	5000
0.6277	1.566	5000
0.6276	1.586	5000
0.6275	1.606	5000
0.6275	1.626	5000
0.6274	1.645	5000
0.6274	1.665	5000
0.6273	1.685	5000
0.6273	1.705	5000
0.6272	1.724	5000
0.6272	1.744	5000
0.6271	1.764	5000
0.6271	1.784	5000
0.627	1.803	5000
0.6269	1.823	5000
0.6269	1.843	5000
0.6268	1.863	5000
0.6268	1.883	5000

est_theta0	est_theta1	iterations
0.6267	1.902	5000
0.6267	1.922	5000
0.6266	1.942	5000
0.6266	1.962	5000
0.6265	1.981	5000
0.6265	2.001	5000
0.6521	0.04459	5000
0.652	0.06446	5000
0.652	0.08426	5000
0.6519	0.104	5000
0.6518	0.1236	5000
0.6518	0.1434	5000
0.6517	0.1631	5000
0.6517	0.183	5000
0.6516	0.2028	5000
0.6516	0.2226	5000
0.6515	0.2422	5000
0.6515	0.2621	5000
0.6514	0.2819	5000
0.6514	0.3016	5000
0.6513	0.3213	5000
0.6513	0.3412	5000
0.6512	0.361	5000
0.6512	0.3807	5000
0.6511	0.4004	5000
0.651	0.4201	5000
0.651	0.4399	5000
0.6509	0.4596	5000
0.6509	0.4794	5000
0.6508	0.4992	5000
0.6508	0.5191	5000
0.6507	0.5386	5000
0.6506	0.5585	5000
0.6506	0.5783	5000
0.6505	0.598	5000
0.6505	0.6178	5000
0.6504	0.6374	5000
0.6504	0.6572	5000
0.6503	0.6772	5000
0.6503	0.6967	5000
0.6502	0.7165	5000
0.6502	0.7364	5000
0.6501	0.756	5000
0.65	0.7759	5000
0.65	0.7956	5000
0.65	0.8155	5000
0.6499	0.835	5000
0.6498	0.8549	5000
0.6498	0.8747	5000
0.6497	0.8945	5000
0.6497	0.9143	5000
0.6496	0.9339	5000

est_theta0	est_theta1	iterations
0.6496	0.9537	5000
0.6495	0.9734	5000
0.6494	0.9933	5000
0.6494	1.013	5000
0.6493	1.033	5000
0.6493	1.053	5000
0.6492	1.072	5000
0.6491	1.092	5000
0.6491	1.112	5000
0.6491	1.132	5000
0.649	1.151	5000
0.649	1.171	5000
0.6489	1.191	5000
0.6488	1.211	5000
0.6488	1.23	5000
0.6487	1.25	5000
0.6487	1.27	5000
0.6486	1.29	5000
0.6486	1.309	5000
0.6485	1.329	5000
0.6485	1.349	5000
0.6484	1.369	5000
0.6483	1.388	5000
0.6483	1.408	5000
0.6482	1.428	5000
0.6482	1.448	5000
0.6481	1.468	5000
0.6481	1.487	5000
0.648	1.507	5000
0.648	1.527	5000
0.6479	1.547	5000
0.6478	1.566	5000
0.6478	1.586	5000
0.6477	1.606	5000
0.6477	1.626	5000
0.6476	1.645	5000
0.6476	1.665	5000
0.6475	1.685	5000
0.6475	1.705	5000
0.6474	1.724	5000
0.6474	1.744	5000
0.6473	1.764	5000
0.6473	1.784	5000
0.6472	1.804	5000
0.6471	1.823	5000
0.6471	1.843	5000
0.647	1.863	5000
0.647	1.883	5000
0.6469	1.902	5000
0.6469	1.922	5000
0.6468	1.942	5000
0.6467	1.962	5000

est_theta0	est_theta1	iterations
0.6467	1.981	5000
0.6467	2.001	5000
0.6723	0.0447	5000
0.6722	0.06432	5000
0.6721	0.08406	5000
0.6721	0.1039	5000
0.6721	0.1236	5000
0.672	0.1433	5000
0.6719	0.1631	5000
0.6719	0.1829	5000
0.6718	0.2026	5000
0.6718	0.2225	5000
0.6717	0.2421	5000
0.6717	0.2619	5000
0.6716	0.2816	5000
0.6716	0.3015	5000
0.6715	0.3213	5000
0.6715	0.3411	5000
0.6714	0.3607	5000
0.6713	0.3806	5000
0.6713	0.4002	5000
0.6712	0.4201	5000
0.6712	0.4398	5000
0.6711	0.4596	5000
0.6711	0.4794	5000
0.671	0.4992	5000
0.6709	0.5189	5000
0.6709	0.5387	5000
0.6708	0.5584	5000
0.6708	0.5782	5000
0.6707	0.5979	5000
0.6707	0.6178	5000
0.6706	0.6373	5000
0.6706	0.6572	5000
0.6705	0.677	5000
0.6705	0.6969	5000
0.6704	0.7165	5000
0.6703	0.7362	5000
0.6703	0.756	5000
0.6703	0.7759	5000
0.6702	0.7956	5000
0.6701	0.8152	5000
0.6701	0.8352	5000
0.67	0.8549	5000
0.67	0.8746	5000
0.6699	0.8944	5000
0.6699	0.9141	5000
0.6698	0.934	5000
0.6697	0.9536	5000
0.6697	0.9736	5000
0.6696	0.9932	5000
0.6696	1.013	5000

est_theta0	est_theta1	iterations
0.6695	1.033	5000
0.6695	1.052	5000
0.6694	1.072	5000
0.6693	1.092	5000
0.6693	1.112	5000
0.6692	1.131	5000
0.6692	1.151	5000
0.6691	1.171	5000
0.6691	1.191	5000
0.669	1.211	5000
0.669	1.23	5000
0.6689	1.25	5000
0.6689	1.27	5000
0.6688	1.289	5000
0.6688	1.309	5000
0.6687	1.329	5000
0.6686	1.349	5000
0.6686	1.369	5000
0.6685	1.388	5000
0.6685	1.408	5000
0.6684	1.428	5000
0.6684	1.448	5000
0.6683	1.467	5000
0.6683	1.487	5000
0.6682	1.507	5000
0.6682	1.527	5000
0.6681	1.547	5000
0.668	1.566	5000
0.668	1.586	5000
0.6679	1.606	5000
0.6679	1.626	5000
0.6678	1.645	5000
0.6678	1.665	5000
0.6677	1.685	5000
0.6677	1.705	5000
0.6676	1.724	5000
0.6676	1.744	5000
0.6675	1.764	5000
0.6674	1.784	5000
0.6674	1.804	5000
0.6673	1.823	5000
0.6673	1.843	5000
0.6672	1.863	5000
0.6671	1.882	5000
0.6671	1.902	5000
0.6671	1.922	5000
0.667	1.942	5000
0.667	1.962	5000
0.6669	1.981	5000
0.6668	2.001	5000
0.6925	0.04453	5000
0.6924	0.06419	5000

est_theta0	est_theta1	iterations
0.6923	0.08397	5000
0.6923	0.1038	5000
0.6922	0.1236	5000
0.6922	0.1434	5000
0.6921	0.163	5000
0.6921	0.183	5000
0.692	0.2027	5000
0.692	0.2224	5000
0.6919	0.2422	5000
0.6918	0.2617	5000
0.6918	0.2816	5000
0.6917	0.3014	5000
0.6917	0.3212	5000
0.6916	0.3409	5000
0.6916	0.3605	5000
0.6915	0.3804	5000
0.6915	0.4002	5000
0.6914	0.4199	5000
0.6914	0.4398	5000
0.6913	0.4594	5000
0.6912	0.4792	5000
0.6912	0.499	5000
0.6911	0.5188	5000
0.6911	0.5386	5000
0.691	0.5584	5000
0.691	0.578	5000
0.6909	0.5979	5000
0.6909	0.6176	5000
0.6908	0.6376	5000
0.6907	0.6571	5000
0.6907	0.677	5000
0.6907	0.6967	5000
0.6906	0.7163	5000
0.6905	0.7361	5000
0.6905	0.7559	5000
0.6904	0.7758	5000
0.6904	0.7955	5000
0.6903	0.8153	5000
0.6903	0.835	5000
0.6902	0.8549	5000
0.6901	0.8745	5000
0.6901	0.8943	5000
0.69	0.9141	5000
0.69	0.9339	5000
0.6899	0.9535	5000
0.6899	0.9734	5000
0.6898	0.9931	5000
0.6898	1.013	5000
0.6897	1.033	5000
0.6897	1.053	5000
0.6896	1.072	5000
0.6896	1.092	5000

est_theta0	est_theta1	iterations
0.6895	1.112	5000
0.6894	1.131	5000
0.6894	1.151	5000
0.6893	1.171	5000
0.6893	1.191	5000
0.6892	1.211	5000
0.6892	1.23	5000
0.6891	1.25	5000
0.689	1.27	5000
0.689	1.289	5000
0.6889	1.309	5000
0.6889	1.329	5000
0.6888	1.349	5000
0.6888	1.369	5000
0.6887	1.388	5000
0.6887	1.408	5000
0.6886	1.428	5000
0.6886	1.448	5000
0.6885	1.467	5000
0.6884	1.487	5000
0.6884	1.507	5000
0.6883	1.527	5000
0.6883	1.547	5000
0.6882	1.566	5000
0.6882	1.586	5000
0.6881	1.606	5000
0.6881	1.626	5000
0.688	1.645	5000
0.688	1.665	5000
0.6879	1.685	5000
0.6879	1.705	5000
0.6878	1.724	5000
0.6877	1.744	5000
0.6877	1.764	5000
0.6876	1.784	5000
0.6876	1.803	5000
0.6875	1.823	5000
0.6875	1.843	5000
0.6874	1.863	5000
0.6874	1.883	5000
0.6873	1.902	5000
0.6872	1.922	5000
0.6872	1.942	5000
0.6871	1.962	5000
0.6871	1.981	5000
0.687	2.001	5000
0.7127	0.04444	5000
0.7126	0.06418	5000
0.7126	0.08408	5000
0.7125	0.1038	5000
0.7124	0.1235	5000
0.7124	0.1433	5000

est_theta0	est_theta1	iterations
0.7123	0.163	5000
0.7123	0.1828	5000
0.7122	0.2026	5000
0.7122	0.2224	5000
0.7121	0.242	5000
0.712	0.2618	5000
0.712	0.2815	5000
0.7119	0.3013	5000
0.7119	0.3212	5000
0.7118	0.3409	5000
0.7118	0.3606	5000
0.7117	0.3804	5000
0.7117	0.4002	5000
0.7116	0.42	5000
0.7116	0.4397	5000
0.7115	0.4595	5000
0.7115	0.4794	5000
0.7114	0.499	5000
0.7113	0.5188	5000
0.7113	0.5385	5000
0.7112	0.5582	5000
0.7112	0.578	5000
0.7111	0.5978	5000
0.7111	0.6177	5000
0.711	0.6373	5000
0.711	0.6572	5000
0.7109	0.6768	5000
0.7108	0.6966	5000
0.7108	0.7164	5000
0.7107	0.7361	5000
0.7107	0.756	5000
0.7106	0.7756	5000
0.7106	0.7955	5000
0.7105	0.8152	5000
0.7105	0.8352	5000
0.7104	0.8548	5000
0.7103	0.8744	5000
0.7103	0.8942	5000
0.7102	0.914	5000
0.7102	0.9338	5000
0.7101	0.9536	5000
0.7101	0.9732	5000
0.71	0.9931	5000
0.71	1.013	5000
0.7099	1.032	5000
0.7098	1.052	5000
0.7098	1.072	5000
0.7097	1.092	5000
0.7097	1.112	5000
0.7096	1.131	5000
0.7096	1.151	5000
0.7095	1.171	5000

est_theta0	est_theta1	iterations
0.7095	1.191	5000
0.7094	1.211	5000
0.7093	1.23	5000
0.7093	1.25	5000
0.7092	1.27	5000
0.7092	1.289	5000
0.7091	1.309	5000
0.7091	1.329	5000
0.709	1.349	5000
0.709	1.369	5000
0.7089	1.388	5000
0.7089	1.408	5000
0.7088	1.428	5000
0.7088	1.448	5000
0.7087	1.467	5000
0.7086	1.487	5000
0.7086	1.507	5000
0.7085	1.527	5000
0.7085	1.547	5000
0.7084	1.566	5000
0.7084	1.586	5000
0.7083	1.606	5000
0.7083	1.625	5000
0.7082	1.645	5000
0.7081	1.665	5000
0.7081	1.685	5000
0.708	1.705	5000
0.708	1.724	5000
0.7079	1.744	5000
0.7079	1.764	5000
0.7078	1.784	5000
0.7078	1.803	5000
0.7077	1.823	5000
0.7077	1.843	5000
0.7076	1.863	5000
0.7075	1.882	5000
0.7075	1.902	5000
0.7074	1.922	5000
0.7074	1.942	5000
0.7073	1.961	5000
0.7073	1.981	5000
0.7072	2.001	5000
0.7328	0.04445	5000
0.7328	0.06418	5000
0.7327	0.08373	5000
0.7327	0.1038	5000
0.7326	0.1234	5000
0.7326	0.1432	5000
0.7325	0.163	5000
0.7325	0.1827	5000
0.7324	0.2026	5000
0.7323	0.2222	5000

est_theta0	est_theta1	iterations
0.7323	0.2419	5000
0.7322	0.2617	5000
0.7322	0.2815	5000
0.7321	0.3013	5000
0.7321	0.321	5000
0.732	0.3409	5000
0.732	0.3606	5000
0.7319	0.3803	5000
0.7319	0.4	5000
0.7318	0.4199	5000
0.7318	0.4397	5000
0.7317	0.4593	5000
0.7316	0.4791	5000
0.7316	0.499	5000
0.7315	0.5187	5000
0.7315	0.5385	5000
0.7314	0.5581	5000
0.7314	0.5781	5000
0.7313	0.5977	5000
0.7313	0.6175	5000
0.7312	0.6373	5000
0.7311	0.657	5000
0.7311	0.6768	5000
0.731	0.6966	5000
0.731	0.7163	5000
0.7309	0.7361	5000
0.7309	0.7559	5000
0.7308	0.7757	5000
0.7307	0.7952	5000
0.7307	0.815	5000
0.7306	0.8349	5000
0.7306	0.8546	5000
0.7305	0.8743	5000
0.7305	0.8942	5000
0.7304	0.9139	5000
0.7304	0.9338	5000
0.7303	0.9535	5000
0.7303	0.9732	5000
0.7302	0.993	5000
0.7301	1.013	5000
0.7301	1.032	5000
0.73	1.052	5000
0.73	1.072	5000
0.7299	1.092	5000
0.7299	1.111	5000
0.7298	1.131	5000
0.7298	1.151	5000
0.7297	1.171	5000
0.7297	1.191	5000
0.7296	1.211	5000
0.7296	1.23	5000
0.7295	1.25	5000

est_theta0	est_theta1	iterations
0.7294	1.27	5000
0.7294	1.289	5000
0.7293	1.309	5000
0.7293	1.329	5000
0.7292	1.349	5000
0.7292	1.368	5000
0.7291	1.388	5000
0.7291	1.408	5000
0.729	1.428	5000
0.729	1.448	5000
0.7289	1.467	5000
0.7288	1.487	5000
0.7288	1.507	5000
0.7287	1.527	5000
0.7287	1.546	5000
0.7286	1.566	5000
0.7286	1.586	5000
0.7285	1.606	5000
0.7285	1.625	5000
0.7284	1.645	5000
0.7283	1.665	5000
0.7283	1.685	5000
0.7282	1.704	5000
0.7282	1.724	5000
0.7281	1.744	5000
0.7281	1.764	5000
0.728	1.783	5000
0.728	1.803	5000
0.7279	1.823	5000
0.7278	1.843	5000
0.7278	1.863	5000
0.7277	1.882	5000
0.7277	1.902	5000
0.7276	1.922	5000
0.7276	1.942	5000
0.7275	1.961	5000
0.7275	1.981	5000
0.7274	2.001	5000
0.753	0.04421	5000
0.753	0.0641	5000
0.7529	0.08387	5000
0.7529	0.1035	5000
0.7528	0.1233	5000
0.7528	0.1431	5000
0.7527	0.1627	5000
0.7527	0.1826	5000
0.7526	0.2025	5000
0.7526	0.2222	5000
0.7525	0.2418	5000
0.7524	0.2617	5000
0.7524	0.2815	5000
0.7523	0.3013	5000

est_theta0	est_theta1	iterations
0.7523	0.3209	5000
0.7522	0.3407	5000
0.7522	0.3607	5000
0.7521	0.3803	5000
0.752	0.4	5000
0.752	0.4199	5000
0.7519	0.4396	5000
0.7519	0.4593	5000
0.7518	0.4791	5000
0.7518	0.4989	5000
0.7517	0.5185	5000
0.7517	0.5384	5000
0.7516	0.5581	5000
0.7515	0.5778	5000
0.7515	0.5976	5000
0.7514	0.6174	5000
0.7514	0.6371	5000
0.7513	0.657	5000
0.7513	0.6768	5000
0.7512	0.6965	5000
0.7512	0.7162	5000
0.7511	0.736	5000
0.7511	0.7558	5000
0.751	0.7755	5000
0.751	0.7953	5000
0.7509	0.8151	5000
0.7509	0.8349	5000
0.7508	0.8546	5000
0.7507	0.8743	5000
0.7507	0.8941	5000
0.7506	0.9139	5000
0.7506	0.9336	5000
0.7505	0.9533	5000
0.7504	0.9731	5000
0.7504	0.9929	5000
0.7503	1.013	5000
0.7503	1.032	5000
0.7503	1.052	5000
0.7502	1.072	5000
0.7501	1.092	5000
0.7501	1.111	5000
0.75	1.131	5000
0.75	1.151	5000
0.7499	1.171	5000
0.7499	1.191	5000
0.7498	1.21	5000
0.7497	1.23	5000
0.7497	1.25	5000
0.7496	1.27	5000
0.7496	1.289	5000
0.7495	1.309	5000
0.7495	1.329	5000

est_theta0	est_theta1	iterations
0.7494	1.349	5000
0.7494	1.368	5000
0.7493	1.388	5000
0.7492	1.408	5000
0.7492	1.428	5000
0.7491	1.447	5000
0.7491	1.467	5000
0.749	1.487	5000
0.749	1.507	5000
0.7489	1.526	5000
0.7489	1.546	5000
0.7488	1.566	5000
0.7488	1.586	5000
0.7487	1.605	5000
0.7486	1.625	5000
0.7486	1.645	5000
0.7485	1.665	5000
0.7485	1.685	5000
0.7484	1.704	5000
0.7484	1.724	5000
0.7483	1.744	5000
0.7483	1.764	5000
0.7482	1.783	5000
0.7482	1.803	5000
0.7481	1.823	5000
0.748	1.843	5000
0.748	1.862	5000
0.7479	1.882	5000
0.7479	1.902	5000
0.7478	1.922	5000
0.7478	1.942	5000
0.7477	1.961	5000
0.7477	1.981	5000
0.7476	2.001	5000
0.7732	0.04424	5000
0.7732	0.06395	5000
0.7731	0.08377	5000
0.7731	0.1035	5000
0.773	0.1233	5000
0.773	0.1431	5000
0.7729	0.1628	5000
0.7728	0.1825	5000
0.7728	0.2023	5000
0.7727	0.2222	5000
0.7727	0.2419	5000
0.7726	0.2616	5000
0.7726	0.2815	5000
0.7725	0.3012	5000
0.7725	0.3209	5000
0.7724	0.3407	5000
0.7723	0.3604	5000
0.7723	0.3802	5000

est_theta0	est_theta1	iterations
0.7722	0.4	5000
0.7722	0.4196	5000
0.7721	0.4395	5000
0.7721	0.4593	5000
0.772	0.4789	5000
0.772	0.4988	5000
0.7719	0.5186	5000
0.7719	0.5384	5000
0.7718	0.558	5000
0.7718	0.5779	5000
0.7717	0.5977	5000
0.7716	0.6173	5000
0.7716	0.6372	5000
0.7715	0.6569	5000
0.7715	0.6767	5000
0.7714	0.6964	5000
0.7714	0.7163	5000
0.7713	0.736	5000
0.7713	0.7558	5000
0.7712	0.7755	5000
0.7711	0.7952	5000
0.7711	0.8149	5000
0.771	0.8348	5000
0.771	0.8545	5000
0.7709	0.8743	5000
0.7709	0.8941	5000
0.7708	0.9138	5000
0.7708	0.9336	5000
0.7707	0.9532	5000
0.7707	0.9731	5000
0.7706	0.9928	5000
0.7706	1.013	5000
0.7705	1.032	5000
0.7704	1.052	5000
0.7704	1.072	5000
0.7703	1.092	5000
0.7702	1.111	5000
0.7702	1.131	5000
0.7702	1.151	5000
0.7701	1.171	5000
0.77	1.191	5000
0.77	1.21	5000
0.7699	1.23	5000
0.7699	1.25	5000
0.7698	1.27	5000
0.7698	1.289	5000
0.7697	1.309	5000
0.7697	1.329	5000
0.7696	1.349	5000
0.7695	1.368	5000
0.7695	1.388	5000
0.7694	1.408	5000

est_theta0	est_theta1	iterations
0.7694	1.428	5000
0.7693	1.447	5000
0.7693	1.467	5000
0.7692	1.487	5000
0.7692	1.507	5000
0.7691	1.526	5000
0.7691	1.546	5000
0.769	1.566	5000
0.769	1.586	5000
0.7689	1.605	5000
0.7688	1.625	5000
0.7688	1.645	5000
0.7687	1.665	5000
0.7687	1.685	5000
0.7686	1.704	5000
0.7686	1.724	5000
0.7685	1.744	5000
0.7685	1.764	5000
0.7684	1.783	5000
0.7683	1.803	5000
0.7683	1.823	5000
0.7682	1.843	5000
0.7682	1.862	5000
0.7681	1.882	5000
0.7681	1.902	5000
0.768	1.922	5000
0.7679	1.941	5000
0.7679	1.961	5000
0.7679	1.981	5000
0.7678	2.001	5000
0.7934	0.04429	5000
0.7934	0.06409	5000
0.7933	0.08364	5000
0.7932	0.1033	5000
0.7932	0.1232	5000
0.7932	0.1431	5000
0.7931	0.1627	5000
0.793	0.1826	5000
0.793	0.2022	5000
0.7929	0.222	5000
0.7929	0.2419	5000
0.7928	0.2615	5000
0.7928	0.2813	5000
0.7927	0.3011	5000
0.7927	0.321	5000
0.7926	0.3406	5000
0.7926	0.3605	5000
0.7925	0.38	5000
0.7924	0.3998	5000
0.7924	0.4196	5000
0.7923	0.4395	5000
0.7923	0.4591	5000

est_theta0	est_theta1	iterations
0.7922	0.479	5000
0.7922	0.4988	5000
0.7921	0.5185	5000
0.7921	0.5383	5000
0.792	0.558	5000
0.7919	0.5776	5000
0.7919	0.5974	5000
0.7918	0.6173	5000
0.7918	0.637	5000
0.7917	0.6568	5000
0.7917	0.6766	5000
0.7916	0.6964	5000
0.7915	0.716	5000
0.7915	0.7358	5000
0.7914	0.7556	5000
0.7914	0.7754	5000
0.7913	0.7952	5000
0.7913	0.815	5000
0.7912	0.8348	5000
0.7912	0.8543	5000
0.7911	0.8742	5000
0.7911	0.894	5000
0.791	0.9137	5000
0.7909	0.9334	5000
0.7909	0.9533	5000
0.7908	0.973	5000
0.7908	0.9928	5000
0.7907	1.013	5000
0.7907	1.032	5000
0.7906	1.052	5000
0.7906	1.072	5000
0.7905	1.092	5000
0.7905	1.111	5000
0.7904	1.131	5000
0.7903	1.151	5000
0.7903	1.171	5000
0.7902	1.191	5000
0.7902	1.21	5000
0.7901	1.23	5000
0.7901	1.25	5000
0.79	1.27	5000
0.79	1.289	5000
0.7899	1.309	5000
0.7899	1.329	5000
0.7898	1.349	5000
0.7897	1.368	5000
0.7897	1.388	5000
0.7896	1.408	5000
0.7896	1.427	5000
0.7895	1.447	5000
0.7895	1.467	5000
0.7894	1.487	5000

est_theta0	est_theta1	iterations
0.7894	1.507	5000
0.7893	1.526	5000
0.7892	1.546	5000
0.7892	1.566	5000
0.7891	1.586	5000
0.7891	1.606	5000
0.789	1.625	5000
0.789	1.645	5000
0.7889	1.665	5000
0.7889	1.684	5000
0.7888	1.704	5000
0.7887	1.724	5000
0.7887	1.744	5000
0.7887	1.764	5000
0.7886	1.783	5000
0.7885	1.803	5000
0.7885	1.823	5000
0.7884	1.843	5000
0.7884	1.862	5000
0.7883	1.882	5000
0.7883	1.902	5000
0.7882	1.922	5000
0.7881	1.941	5000
0.7881	1.961	5000
0.788	1.981	5000
0.788	2.001	5000
0.8136	0.04411	5000
0.8136	0.06383	5000
0.8135	0.08352	5000
0.8135	0.1034	5000
0.8134	0.1232	5000
0.8133	0.1429	5000
0.8133	0.1627	5000
0.8132	0.1824	5000
0.8132	0.2023	5000
0.8131	0.2221	5000
0.8131	0.2417	5000
0.813	0.2615	5000
0.8129	0.2813	5000
0.8129	0.301	5000
0.8129	0.3209	5000
0.8128	0.3405	5000
0.8127	0.3604	5000
0.8127	0.3801	5000
0.8126	0.3999	5000
0.8126	0.4197	5000
0.8125	0.4395	5000
0.8125	0.4592	5000
0.8124	0.4789	5000
0.8124	0.4987	5000
0.8123	0.5185	5000
0.8122	0.5382	5000

est_theta0	est_theta1	iterations
0.8122	0.5581	5000
0.8121	0.5776	5000
0.8121	0.5975	5000
0.812	0.6172	5000
0.812	0.637	5000
0.8119	0.6568	5000
0.8119	0.6766	5000
0.8118	0.6964	5000
0.8117	0.716	5000
0.8117	0.7358	5000
0.8116	0.7555	5000
0.8116	0.7753	5000
0.8115	0.7952	5000
0.8115	0.8149	5000
0.8114	0.8347	5000
0.8114	0.8544	5000
0.8113	0.8742	5000
0.8112	0.8938	5000
0.8112	0.9136	5000
0.8111	0.9334	5000
0.8111	0.9531	5000
0.811	0.9731	5000
0.811	0.9927	5000
0.8109	1.012	5000
0.8109	1.032	5000
0.8108	1.052	5000
0.8108	1.072	5000
0.8107	1.092	5000
0.8107	1.111	5000
0.8106	1.131	5000
0.8105	1.151	5000
0.8105	1.171	5000
0.8104	1.19	5000
0.8104	1.21	5000
0.8103	1.23	5000
0.8103	1.25	5000
0.8102	1.269	5000
0.8101	1.289	5000
0.8101	1.309	5000
0.81	1.329	5000
0.81	1.348	5000
0.8099	1.368	5000
0.8099	1.388	5000
0.8098	1.408	5000
0.8098	1.428	5000
0.8097	1.447	5000
0.8097	1.467	5000
0.8096	1.487	5000
0.8095	1.506	5000
0.8095	1.526	5000
0.8094	1.546	5000
0.8094	1.566	5000

est_theta0	est_theta1	iterations
0.8093	1.586	5000
0.8093	1.605	5000
0.8092	1.625	5000
0.8092	1.645	5000
0.8091	1.665	5000
0.8091	1.684	5000
0.809	1.704	5000
0.8089	1.724	5000
0.8089	1.744	5000
0.8088	1.764	5000
0.8088	1.783	5000
0.8087	1.803	5000
0.8087	1.823	5000
0.8086	1.842	5000
0.8086	1.862	5000
0.8085	1.882	5000
0.8085	1.902	5000
0.8084	1.921	5000
0.8083	1.941	5000
0.8083	1.961	5000
0.8082	1.981	5000
0.8082	2.001	5000
0.8338	0.04408	5000
0.8337	0.06377	5000
0.8337	0.08351	5000
0.8336	0.1033	5000
0.8336	0.1232	5000
0.8335	0.1428	5000
0.8335	0.1626	5000
0.8334	0.1824	5000
0.8334	0.2022	5000
0.8333	0.222	5000
0.8333	0.2417	5000
0.8332	0.2614	5000
0.8331	0.2811	5000
0.8331	0.3009	5000
0.833	0.3207	5000
0.833	0.3405	5000
0.8329	0.3603	5000
0.8329	0.38	5000
0.8328	0.3998	5000
0.8328	0.4196	5000
0.8327	0.4393	5000
0.8326	0.459	5000
0.8326	0.4788	5000
0.8325	0.4986	5000
0.8325	0.5183	5000
0.8324	0.5381	5000
0.8323	0.5577	5000
0.8323	0.5777	5000
0.8323	0.5973	5000
0.8322	0.6172	5000

est_theta0	est_theta1	iterations
0.8322	0.637	5000
0.8321	0.6567	5000
0.832	0.6764	5000
0.832	0.6963	5000
0.8319	0.716	5000
0.8319	0.7357	5000
0.8318	0.7556	5000
0.8318	0.7753	5000
0.8317	0.7951	5000
0.8317	0.8148	5000
0.8316	0.8345	5000
0.8315	0.8543	5000
0.8315	0.8742	5000
0.8314	0.8939	5000
0.8314	0.9138	5000
0.8313	0.9333	5000
0.8313	0.9531	5000
0.8312	0.9728	5000
0.8312	0.9926	5000
0.8311	1.012	5000
0.8311	1.032	5000
0.831	1.052	5000
0.831	1.072	5000
0.8309	1.091	5000
0.8308	1.111	5000
0.8308	1.131	5000
0.8307	1.151	5000
0.8307	1.171	5000
0.8306	1.19	5000
0.8306	1.21	5000
0.8305	1.23	5000
0.8304	1.25	5000
0.8304	1.269	5000
0.8304	1.289	5000
0.8303	1.309	5000
0.8302	1.329	5000
0.8302	1.348	5000
0.8301	1.368	5000
0.8301	1.388	5000
0.83	1.408	5000
0.83	1.427	5000
0.8299	1.447	5000
0.8298	1.467	5000
0.8298	1.487	5000
0.8298	1.507	5000
0.8297	1.526	5000
0.8296	1.546	5000
0.8296	1.566	5000
0.8295	1.586	5000
0.8295	1.605	5000
0.8294	1.625	5000
0.8293	1.645	5000

est_theta0	est_theta1	iterations
0.8293	1.664	5000
0.8293	1.684	5000
0.8292	1.704	5000
0.8291	1.724	5000
0.8291	1.744	5000
0.829	1.763	5000
0.829	1.783	5000
0.8289	1.803	5000
0.8289	1.823	5000
0.8288	1.843	5000
0.8288	1.862	5000
0.8287	1.882	5000
0.8287	1.902	5000
0.8286	1.922	5000
0.8285	1.941	5000
0.8285	1.961	5000
0.8284	1.981	5000
0.8284	2.001	5000
0.854	0.04405	5000
0.8539	0.06362	5000
0.8539	0.08357	5000
0.8538	0.1033	5000
0.8538	0.1231	5000
0.8537	0.1428	5000
0.8537	0.1626	5000
0.8536	0.1823	5000
0.8536	0.202	5000
0.8535	0.222	5000
0.8535	0.2417	5000
0.8534	0.2615	5000
0.8533	0.2811	5000
0.8533	0.3008	5000
0.8532	0.3207	5000
0.8532	0.3404	5000
0.8531	0.3602	5000
0.8531	0.3799	5000
0.853	0.3997	5000
0.8529	0.4195	5000
0.8529	0.4392	5000
0.8528	0.459	5000
0.8528	0.4788	5000
0.8527	0.4986	5000
0.8527	0.5183	5000
0.8526	0.5381	5000
0.8526	0.5579	5000
0.8525	0.5777	5000
0.8525	0.5974	5000
0.8524	0.6172	5000
0.8523	0.6369	5000
0.8523	0.6567	5000
0.8522	0.6764	5000
0.8522	0.6961	5000

est_theta0	est_theta1	iterations
0.8521	0.716	5000
0.8521	0.7357	5000
0.852	0.7554	5000
0.852	0.7752	5000
0.8519	0.795	5000
0.8519	0.8148	5000
0.8518	0.8346	5000
0.8518	0.8543	5000
0.8517	0.8741	5000
0.8516	0.8938	5000
0.8516	0.9136	5000
0.8515	0.9334	5000
0.8515	0.953	5000
0.8514	0.9727	5000
0.8513	0.9925	5000
0.8513	1.012	5000
0.8513	1.032	5000
0.8512	1.052	5000
0.8512	1.072	5000
0.8511	1.091	5000
0.851	1.111	5000
0.851	1.131	5000
0.8509	1.151	5000
0.8509	1.17	5000
0.8508	1.19	5000
0.8508	1.21	5000
0.8507	1.23	5000
0.8506	1.25	5000
0.8506	1.269	5000
0.8505	1.289	5000
0.8505	1.309	5000
0.8504	1.329	5000
0.8504	1.348	5000
0.8503	1.368	5000
0.8503	1.388	5000
0.8502	1.408	5000
0.8502	1.427	5000
0.8501	1.447	5000
0.85	1.467	5000
0.85	1.487	5000
0.8499	1.506	5000
0.8499	1.526	5000
0.8498	1.546	5000
0.8498	1.566	5000
0.8497	1.585	5000
0.8497	1.605	5000
0.8496	1.625	5000
0.8496	1.645	5000
0.8495	1.665	5000
0.8494	1.684	5000
0.8494	1.704	5000
0.8493	1.724	5000

est_theta0	est_theta1	iterations
0.8493	1.744	5000
0.8492	1.763	5000
0.8492	1.783	5000
0.8491	1.803	5000
0.849	1.823	5000
0.849	1.842	5000
0.8489	1.862	5000
0.8489	1.882	5000
0.8488	1.902	5000
0.8488	1.921	5000
0.8487	1.941	5000
0.8487	1.961	5000
0.8486	1.981	5000
0.8486	2	5000
0.8742	0.04389	5000
0.8741	0.06371	5000
0.8741	0.08358	5000
0.874	0.1033	5000
0.874	0.123	5000
0.8739	0.1426	5000
0.8739	0.1625	5000
0.8738	0.1823	5000
0.8737	0.202	5000
0.8737	0.2216	5000
0.8736	0.2416	5000
0.8736	0.2614	5000
0.8735	0.281	5000
0.8735	0.3008	5000
0.8734	0.3207	5000
0.8734	0.3404	5000
0.8733	0.3598	5000
0.8733	0.38	5000
0.8732	0.3998	5000
0.8731	0.4195	5000
0.8731	0.4392	5000
0.873	0.4589	5000
0.873	0.4787	5000
0.8729	0.4984	5000
0.8729	0.5183	5000
0.8728	0.538	5000
0.8728	0.5577	5000
0.8727	0.5776	5000
0.8726	0.5973	5000
0.8726	0.6171	5000
0.8725	0.6368	5000
0.8725	0.6567	5000
0.8724	0.6763	5000
0.8724	0.6961	5000
0.8723	0.7159	5000
0.8723	0.7356	5000
0.8722	0.7555	5000
0.8721	0.775	5000

est_theta0	est_theta1	iterations
0.8721	0.7948	5000
0.8721	0.8147	5000
0.872	0.8344	5000
0.8719	0.8543	5000
0.8719	0.874	5000
0.8718	0.8936	5000
0.8718	0.9134	5000
0.8717	0.9333	5000
0.8717	0.953	5000
0.8716	0.9727	5000
0.8716	0.9926	5000
0.8715	1.012	5000
0.8715	1.032	5000
0.8714	1.052	5000
0.8713	1.072	5000
0.8713	1.091	5000
0.8712	1.111	5000
0.8712	1.131	5000
0.8711	1.151	5000
0.8711	1.17	5000
0.871	1.19	5000
0.8709	1.21	5000
0.8709	1.23	5000
0.8708	1.249	5000
0.8708	1.269	5000
0.8707	1.289	5000
0.8707	1.309	5000
0.8706	1.328	5000
0.8706	1.348	5000
0.8705	1.368	5000
0.8704	1.388	5000
0.8704	1.408	5000
0.8703	1.427	5000
0.8703	1.447	5000
0.8702	1.467	5000
0.8702	1.487	5000
0.8701	1.506	5000
0.8701	1.526	5000
0.87	1.546	5000
0.87	1.566	5000
0.8699	1.585	5000
0.8699	1.605	5000
0.8698	1.625	5000
0.8698	1.645	5000
0.8697	1.664	5000
0.8696	1.684	5000
0.8696	1.704	5000
0.8695	1.724	5000
0.8695	1.743	5000
0.8694	1.763	5000
0.8694	1.783	5000
0.8693	1.803	5000

est_theta0	est_theta1	iterations
0.8692	1.822	5000
0.8692	1.842	5000
0.8691	1.862	5000
0.8691	1.882	5000
0.869	1.902	5000
0.869	1.921	5000
0.8689	1.941	5000
0.8689	1.961	5000
0.8688	1.981	5000
0.8688	2	5000
0.8944	0.04401	5000
0.8943	0.06366	5000
0.8943	0.0834	5000
0.8942	0.1032	5000
0.8942	0.1229	5000
0.8941	0.1426	5000
0.8941	0.1624	5000
0.894	0.1821	5000
0.8939	0.2019	5000
0.8939	0.2216	5000
0.8938	0.2414	5000
0.8938	0.2613	5000
0.8937	0.281	5000
0.8937	0.3008	5000
0.8936	0.3206	5000
0.8936	0.3403	5000
0.8935	0.3601	5000
0.8934	0.3797	5000
0.8934	0.3997	5000
0.8933	0.4193	5000
0.8933	0.439	5000
0.8932	0.4588	5000
0.8932	0.4785	5000
0.8931	0.4984	5000
0.8931	0.5181	5000
0.893	0.5379	5000
0.8929	0.5576	5000
0.8929	0.5774	5000
0.8928	0.5972	5000
0.8928	0.617	5000
0.8927	0.6367	5000
0.8927	0.6564	5000
0.8926	0.6763	5000
0.8926	0.696	5000
0.8925	0.7158	5000
0.8925	0.7355	5000
0.8924	0.7553	5000
0.8923	0.7751	5000
0.8923	0.7949	5000
0.8923	0.8147	5000
0.8922	0.8344	5000
0.8921	0.8543	5000

est_theta0	est_theta1	iterations
0.8921	0.8738	5000
0.892	0.8937	5000
0.892	0.9135	5000
0.8919	0.9332	5000
0.8919	0.953	5000
0.8918	0.9728	5000
0.8917	0.9924	5000
0.8917	1.012	5000
0.8916	1.032	5000
0.8916	1.052	5000
0.8915	1.072	5000
0.8915	1.091	5000
0.8914	1.111	5000
0.8914	1.131	5000
0.8913	1.151	5000
0.8912	1.17	5000
0.8912	1.19	5000
0.8912	1.21	5000
0.8911	1.23	5000
0.891	1.249	5000
0.891	1.269	5000
0.8909	1.289	5000
0.8909	1.309	5000
0.8908	1.328	5000
0.8908	1.348	5000
0.8907	1.368	5000
0.8906	1.388	5000
0.8906	1.408	5000
0.8905	1.427	5000
0.8905	1.447	5000
0.8904	1.467	5000
0.8904	1.487	5000
0.8903	1.506	5000
0.8902	1.526	5000
0.8902	1.546	5000
0.8902	1.566	5000
0.8901	1.585	5000
0.89	1.605	5000
0.89	1.625	5000
0.8899	1.645	5000
0.8899	1.664	5000
0.8898	1.684	5000
0.8898	1.704	5000
0.8897	1.724	5000
0.8897	1.744	5000
0.8896	1.763	5000
0.8895	1.783	5000
0.8895	1.803	5000
0.8894	1.823	5000
0.8894	1.842	5000
0.8893	1.862	5000
0.8893	1.882	5000

est_theta0	est_theta1	iterations
0.8892	1.902	5000
0.8892	1.921	5000
0.8891	1.941	5000
0.8891	1.961	5000
0.889	1.981	5000
0.8889	2	5000
0.9146	0.04372	5000
0.9145	0.0636	5000
0.9145	0.08337	5000
0.9144	0.1031	5000
0.9144	0.1229	5000
0.9143	0.1426	5000
0.9143	0.1624	5000
0.9142	0.1821	5000
0.9141	0.2019	5000
0.9141	0.2215	5000
0.914	0.2415	5000
0.914	0.2611	5000
0.9139	0.2808	5000
0.9139	0.3007	5000
0.9138	0.3206	5000
0.9137	0.3402	5000
0.9137	0.3601	5000
0.9136	0.3798	5000
0.9136	0.3996	5000
0.9135	0.4193	5000
0.9135	0.4391	5000
0.9134	0.4588	5000
0.9134	0.4787	5000
0.9133	0.4983	5000
0.9132	0.518	5000
0.9132	0.5378	5000
0.9131	0.5576	5000
0.9131	0.5773	5000
0.913	0.5971	5000
0.913	0.6169	5000
0.9129	0.6366	5000
0.9129	0.6564	5000
0.9128	0.6763	5000
0.9128	0.6959	5000
0.9127	0.7157	5000
0.9127	0.7356	5000
0.9126	0.7552	5000
0.9125	0.775	5000
0.9125	0.7948	5000
0.9124	0.8146	5000
0.9124	0.8344	5000
0.9123	0.8541	5000
0.9123	0.8738	5000
0.9122	0.8936	5000
0.9122	0.9133	5000
0.9121	0.9331	5000

est_theta0	est_theta1	iterations
0.9121	0.953	5000
0.912	0.9725	5000
0.9119	0.9925	5000
0.9119	1.012	5000
0.9118	1.032	5000
0.9118	1.052	5000
0.9117	1.072	5000
0.9117	1.091	5000
0.9116	1.111	5000
0.9115	1.131	5000
0.9115	1.15	5000
0.9114	1.17	5000
0.9114	1.19	5000
0.9113	1.21	5000
0.9113	1.23	5000
0.9112	1.249	5000
0.9112	1.269	5000
0.9111	1.289	5000
0.9111	1.309	5000
0.911	1.328	5000
0.9109	1.348	5000
0.9109	1.368	5000
0.9108	1.388	5000
0.9108	1.407	5000
0.9107	1.427	5000
0.9107	1.447	5000
0.9106	1.467	5000
0.9106	1.486	5000
0.9105	1.506	5000
0.9105	1.526	5000
0.9104	1.546	5000
0.9103	1.565	5000
0.9103	1.585	5000
0.9102	1.605	5000
0.9102	1.625	5000
0.9101	1.645	5000
0.91	1.664	5000
0.91	1.684	5000
0.91	1.704	5000
0.9099	1.724	5000
0.9098	1.743	5000
0.9098	1.763	5000
0.9097	1.783	5000
0.9097	1.803	5000
0.9096	1.822	5000
0.9096	1.842	5000
0.9095	1.862	5000
0.9095	1.882	5000
0.9094	1.901	5000
0.9094	1.921	5000
0.9093	1.941	5000
0.9092	1.961	5000

est_theta0	est_theta1	iterations
0.9092	1.98	5000
0.9091	2	5000
0.9348	0.04376	5000
0.9347	0.06348	5000
0.9347	0.08324	5000
0.9346	0.1031	5000
0.9346	0.1229	5000
0.9345	0.1425	5000
0.9344	0.1623	5000
0.9344	0.1821	5000
0.9343	0.2018	5000
0.9343	0.2216	5000
0.9342	0.2415	5000
0.9342	0.2611	5000
0.9341	0.2808	5000
0.9341	0.3007	5000
0.934	0.3204	5000
0.9339	0.3402	5000
0.9339	0.3598	5000
0.9338	0.3797	5000
0.9338	0.3995	5000
0.9337	0.4193	5000
0.9337	0.439	5000
0.9336	0.4588	5000
0.9335	0.4784	5000
0.9335	0.4982	5000
0.9334	0.518	5000
0.9334	0.5378	5000
0.9333	0.5576	5000
0.9333	0.5774	5000
0.9332	0.5972	5000
0.9332	0.6169	5000
0.9331	0.6368	5000
0.9331	0.6564	5000
0.933	0.6761	5000
0.933	0.6959	5000
0.9329	0.7155	5000
0.9328	0.7355	5000
0.9328	0.7553	5000
0.9327	0.7749	5000
0.9327	0.7948	5000
0.9326	0.8144	5000
0.9326	0.8342	5000
0.9325	0.8541	5000
0.9325	0.8738	5000
0.9324	0.8936	5000
0.9323	0.9132	5000
0.9323	0.9331	5000
0.9323	0.9529	5000
0.9322	0.9727	5000
0.9321	0.9923	5000
0.9321	1.012	5000

est_theta0	est_theta1	iterations
0.932	1.032	5000
0.932	1.052	5000
0.9319	1.071	5000
0.9319	1.091	5000
0.9318	1.111	5000
0.9317	1.131	5000
0.9317	1.15	5000
0.9316	1.17	5000
0.9316	1.19	5000
0.9315	1.21	5000
0.9315	1.229	5000
0.9314	1.249	5000
0.9314	1.269	5000
0.9313	1.289	5000
0.9312	1.309	5000
0.9312	1.328	5000
0.9311	1.348	5000
0.9311	1.368	5000
0.931	1.388	5000
0.931	1.407	5000
0.9309	1.427	5000
0.9309	1.447	5000
0.9308	1.467	5000
0.9308	1.486	5000
0.9307	1.506	5000
0.9306	1.526	5000
0.9306	1.546	5000
0.9305	1.565	5000
0.9305	1.585	5000
0.9304	1.605	5000
0.9304	1.625	5000
0.9303	1.645	5000
0.9303	1.664	5000
0.9302	1.684	5000
0.9302	1.704	5000
0.9301	1.724	5000
0.93	1.743	5000
0.93	1.763	5000
0.9299	1.783	5000
0.9299	1.803	5000
0.9298	1.822	5000
0.9298	1.842	5000
0.9297	1.862	5000
0.9297	1.882	5000
0.9296	1.901	5000
0.9295	1.921	5000
0.9295	1.941	5000
0.9294	1.961	5000
0.9294	1.981	5000
0.9293	2	5000
0.9549	0.04359	5000
0.9549	0.06332	5000

est_theta0	est_theta1	iterations
0.9549	0.0832	5000
0.9548	0.1029	5000
0.9547	0.1226	5000
0.9547	0.1425	5000
0.9546	0.1623	5000
0.9546	0.1821	5000
0.9545	0.2018	5000
0.9545	0.2216	5000
0.9544	0.2414	5000
0.9544	0.261	5000
0.9543	0.2808	5000
0.9542	0.3005	5000
0.9542	0.3203	5000
0.9541	0.3401	5000
0.9541	0.3599	5000
0.954	0.3796	5000
0.954	0.3994	5000
0.9539	0.4193	5000
0.9539	0.439	5000
0.9538	0.4587	5000
0.9537	0.4784	5000
0.9537	0.4981	5000
0.9537	0.518	5000
0.9536	0.5378	5000
0.9535	0.5575	5000
0.9535	0.5773	5000
0.9534	0.5971	5000
0.9533	0.6166	5000
0.9533	0.6365	5000
0.9532	0.6563	5000
0.9532	0.6761	5000
0.9532	0.6959	5000
0.9531	0.7157	5000
0.953	0.7354	5000
0.953	0.7551	5000
0.9529	0.7748	5000
0.9529	0.7947	5000
0.9528	0.8144	5000
0.9527	0.8341	5000
0.9527	0.8538	5000
0.9526	0.8736	5000
0.9526	0.8934	5000
0.9525	0.9132	5000
0.9525	0.933	5000
0.9524	0.9528	5000
0.9524	0.9724	5000
0.9523	0.9922	5000
0.9523	1.012	5000
0.9522	1.032	5000
0.9522	1.052	5000
0.9521	1.071	5000
0.952	1.091	5000

est_theta0	est_theta1	iterations
0.952	1.111	5000
0.9519	1.131	5000
0.9519	1.15	5000
0.9518	1.17	5000
0.9518	1.19	5000
0.9517	1.21	5000
0.9517	1.229	5000
0.9516	1.249	5000
0.9516	1.269	5000
0.9515	1.289	5000
0.9514	1.308	5000
0.9514	1.328	5000
0.9513	1.348	5000
0.9513	1.368	5000
0.9512	1.388	5000
0.9512	1.407	5000
0.9511	1.427	5000
0.9511	1.447	5000
0.951	1.466	5000
0.951	1.486	5000
0.9509	1.506	5000
0.9508	1.526	5000
0.9508	1.545	5000
0.9507	1.565	5000
0.9507	1.585	5000
0.9506	1.605	5000
0.9506	1.625	5000
0.9505	1.644	5000
0.9505	1.664	5000
0.9504	1.684	5000
0.9503	1.704	5000
0.9503	1.723	5000
0.9502	1.743	5000
0.9502	1.763	5000
0.9501	1.783	5000
0.9501	1.802	5000
0.95	1.822	5000
0.9499	1.842	5000
0.9499	1.862	5000
0.9498	1.882	5000
0.9498	1.901	5000
0.9497	1.921	5000
0.9497	1.941	5000
0.9496	1.961	5000
0.9496	1.98	5000
0.9495	2	5000
0.9751	0.04358	5000
0.9751	0.06335	5000
0.975	0.08321	5000
0.975	0.103	5000
0.9749	0.1226	5000
0.9749	0.1424	5000

est_theta0	est_theta1	iterations
0.9748	0.1622	5000
0.9748	0.182	5000
0.9747	0.2017	5000
0.9747	0.2215	5000
0.9746	0.2412	5000
0.9745	0.261	5000
0.9745	0.2808	5000
0.9745	0.3006	5000
0.9744	0.3204	5000
0.9743	0.3401	5000
0.9743	0.3598	5000
0.9742	0.3794	5000
0.9742	0.3994	5000
0.9741	0.419	5000
0.9741	0.4389	5000
0.974	0.4586	5000
0.9739	0.4784	5000
0.9739	0.4981	5000
0.9738	0.5179	5000
0.9738	0.5377	5000
0.9737	0.5574	5000
0.9737	0.5771	5000
0.9736	0.5969	5000
0.9735	0.6167	5000
0.9735	0.6364	5000
0.9734	0.6561	5000
0.9734	0.6761	5000
0.9733	0.6959	5000
0.9733	0.7156	5000
0.9732	0.7352	5000
0.9732	0.7551	5000
0.9731	0.7747	5000
0.9731	0.7945	5000
0.973	0.8142	5000
0.9729	0.8341	5000
0.9729	0.8538	5000
0.9728	0.8736	5000
0.9728	0.8933	5000
0.9727	0.9131	5000
0.9727	0.9329	5000
0.9726	0.9527	5000
0.9726	0.9725	5000
0.9725	0.9922	5000
0.9725	1.012	5000
0.9724	1.032	5000
0.9723	1.052	5000
0.9723	1.071	5000
0.9723	1.091	5000
0.9722	1.111	5000
0.9721	1.131	5000
0.9721	1.15	5000
0.972	1.17	5000

est_theta0	est_theta1	iterations
0.972	1.19	5000
0.9719	1.21	5000
0.9719	1.229	5000
0.9718	1.249	5000
0.9717	1.269	5000
0.9717	1.289	5000
0.9716	1.308	5000
0.9716	1.328	5000
0.9715	1.348	5000
0.9715	1.368	5000
0.9714	1.387	5000
0.9714	1.407	5000
0.9713	1.427	5000
0.9713	1.447	5000
0.9712	1.466	5000
0.9711	1.486	5000
0.9711	1.506	5000
0.971	1.526	5000
0.971	1.546	5000
0.9709	1.565	5000
0.9709	1.585	5000
0.9708	1.605	5000
0.9708	1.625	5000
0.9707	1.644	5000
0.9707	1.664	5000
0.9706	1.684	5000
0.9705	1.704	5000
0.9705	1.723	5000
0.9704	1.743	5000
0.9704	1.763	5000
0.9703	1.783	5000
0.9703	1.803	5000
0.9702	1.822	5000
0.9702	1.842	5000
0.9701	1.862	5000
0.97	1.881	5000
0.97	1.901	5000
0.9699	1.921	5000
0.9699	1.941	5000
0.9698	1.96	5000
0.9698	1.98	5000
0.9697	2	5000
0.9953	0.04354	5000
0.9953	0.06325	5000
0.9952	0.08291	5000
0.9952	0.103	5000
0.9951	0.1225	5000
0.9951	0.1425	5000
0.995	0.1621	5000
0.995	0.182	5000
0.9949	0.2016	5000
0.9949	0.2216	5000

est_theta0	est_theta1	iterations
0.9948	0.241	5000
0.9947	0.2609	5000
0.9947	0.2807	5000
0.9946	0.3005	5000
0.9946	0.3202	5000
0.9945	0.3399	5000
0.9945	0.3598	5000
0.9944	0.3796	5000
0.9944	0.3994	5000
0.9943	0.419	5000
0.9942	0.4388	5000
0.9942	0.4586	5000
0.9941	0.4783	5000
0.9941	0.4981	5000
0.994	0.5178	5000
0.994	0.5376	5000
0.9939	0.5574	5000
0.9939	0.5771	5000
0.9938	0.597	5000
0.9937	0.6165	5000
0.9937	0.6365	5000
0.9936	0.6561	5000
0.9936	0.676	5000
0.9935	0.6957	5000
0.9935	0.7155	5000
0.9934	0.7352	5000
0.9934	0.755	5000
0.9933	0.7747	5000
0.9933	0.7945	5000
0.9932	0.8143	5000
0.9932	0.8341	5000
0.9931	0.8539	5000
0.9931	0.8737	5000
0.993	0.8933	5000
0.9929	0.9131	5000
0.9929	0.9329	5000
0.9928	0.9526	5000
0.9928	0.9725	5000
0.9927	0.9921	5000
0.9926	1.012	5000
0.9926	1.032	5000
0.9925	1.051	5000
0.9925	1.071	5000
0.9924	1.091	5000
0.9924	1.111	5000
0.9923	1.131	5000
0.9923	1.15	5000
0.9922	1.17	5000
0.9922	1.19	5000
0.9921	1.21	5000
0.9921	1.229	5000
0.992	1.249	5000

est_theta0	est_theta1	iterations
0.9919	1.269	5000
0.9919	1.289	5000
0.9918	1.308	5000
0.9918	1.328	5000
0.9917	1.348	5000
0.9917	1.368	5000
0.9916	1.387	5000
0.9916	1.407	5000
0.9915	1.427	5000
0.9914	1.447	5000
0.9914	1.466	5000
0.9913	1.486	5000
0.9913	1.506	5000
0.9912	1.526	5000
0.9912	1.546	5000
0.9911	1.565	5000
0.9911	1.585	5000
0.991	1.605	5000
0.991	1.625	5000
0.9909	1.644	5000
0.9908	1.664	5000
0.9908	1.684	5000
0.9907	1.704	5000
0.9907	1.723	5000
0.9906	1.743	5000
0.9906	1.763	5000
0.9905	1.783	5000
0.9904	1.802	5000
0.9904	1.822	5000
0.9903	1.842	5000
0.9903	1.862	5000
0.9902	1.881	5000
0.9902	1.901	5000
0.9901	1.921	5000
0.9901	1.941	5000
0.99	1.961	5000
0.99	1.98	5000
0.9899	2	5000
1.016	0.04353	5000
1.015	0.06334	5000
1.015	0.08304	5000
1.015	0.1027	5000
1.015	0.1226	5000
1.015	0.1423	5000
1.015	0.1621	5000
1.015	0.1817	5000
1.015	0.2017	5000
1.015	0.2213	5000
1.015	0.2413	5000
1.015	0.2608	5000
1.015	0.2807	5000
1.015	0.3003	5000

est_theta0	est_theta1	iterations
1.015	0.3201	5000
1.015	0.3399	5000
1.015	0.3596	5000
1.015	0.3794	5000
1.015	0.3992	5000
1.014	0.4188	5000
1.014	0.4386	5000
1.014	0.4585	5000
1.014	0.4782	5000
1.014	0.498	5000
1.014	0.5178	5000
1.014	0.5375	5000
1.014	0.5573	5000
1.014	0.5771	5000
1.014	0.5968	5000
1.014	0.6165	5000
1.014	0.6363	5000
1.014	0.6561	5000
1.014	0.6758	5000
1.014	0.6956	5000
1.014	0.7154	5000
1.014	0.7351	5000
1.014	0.7549	5000
1.013	0.7746	5000
1.013	0.7946	5000
1.013	0.8142	5000
1.013	0.8339	5000
1.013	0.8538	5000
1.013	0.8734	5000
1.013	0.8933	5000
1.013	0.9131	5000
1.013	0.9327	5000
1.013	0.9525	5000
1.013	0.9724	5000
1.013	0.992	5000
1.013	1.012	5000
1.013	1.032	5000
1.013	1.051	5000
1.013	1.071	5000
1.013	1.091	5000
1.013	1.111	5000
1.013	1.13	5000
1.012	1.15	5000
1.012	1.17	5000
1.012	1.19	5000
1.012	1.21	5000
1.012	1.229	5000
1.012	1.249	5000
1.012	1.269	5000
1.012	1.288	5000
1.012	1.308	5000
1.012	1.328	5000

est_theta0	est_theta1	iterations
1.012	1.348	5000
1.012	1.368	5000
1.012	1.387	5000
1.012	1.407	5000
1.012	1.427	5000
1.012	1.447	5000
1.012	1.466	5000
1.012	1.486	5000
1.011	1.506	5000
1.011	1.526	5000
1.011	1.546	5000
1.011	1.565	5000
1.011	1.585	5000
1.011	1.605	5000
1.011	1.624	5000
1.011	1.644	5000
1.011	1.664	5000
1.011	1.684	5000
1.011	1.703	5000
1.011	1.723	5000
1.011	1.743	5000
1.011	1.763	5000
1.011	1.783	5000
1.011	1.802	5000
1.011	1.822	5000
1.011	1.842	5000
1.01	1.862	5000
1.01	1.881	5000
1.01	1.901	5000
1.01	1.921	5000
1.01	1.941	5000
1.01	1.96	5000
1.01	1.98	5000
1.01	2	5000
1.036	0.04344	5000
1.036	0.06316	5000
1.036	0.08288	5000
1.036	0.1026	5000
1.036	0.1225	5000
1.035	0.1421	5000
1.035	0.162	5000
1.035	0.1817	5000
1.035	0.2015	5000
1.035	0.2212	5000
1.035	0.2411	5000
1.035	0.2609	5000
1.035	0.2806	5000
1.035	0.3004	5000
1.035	0.32	5000
1.035	0.3398	5000
1.035	0.3597	5000
1.035	0.3792	5000

est_theta0	est_theta1	iterations
1.035	0.3991	5000
1.035	0.4189	5000
1.035	0.4387	5000
1.035	0.4585	5000
1.035	0.4782	5000
1.034	0.498	5000
1.034	0.5176	5000
1.034	0.5374	5000
1.034	0.5572	5000
1.034	0.5769	5000
1.034	0.5968	5000
1.034	0.6165	5000
1.034	0.6362	5000
1.034	0.6561	5000
1.034	0.6759	5000
1.034	0.6955	5000
1.034	0.7153	5000
1.034	0.7351	5000
1.034	0.7549	5000
1.034	0.7748	5000
1.034	0.7944	5000
1.034	0.8141	5000
1.034	0.8338	5000
1.033	0.8537	5000
1.033	0.8735	5000
1.033	0.8932	5000
1.033	0.9129	5000
1.033	0.9327	5000
1.033	0.9526	5000
1.033	0.9722	5000
1.033	0.9921	5000
1.033	1.012	5000
1.033	1.031	5000
1.033	1.051	5000
1.033	1.071	5000
1.033	1.091	5000
1.033	1.111	5000
1.033	1.13	5000
1.033	1.15	5000
1.033	1.17	5000
1.033	1.19	5000
1.032	1.209	5000
1.032	1.229	5000
1.032	1.249	5000
1.032	1.269	5000
1.032	1.288	5000
1.032	1.308	5000
1.032	1.328	5000
1.032	1.348	5000
1.032	1.367	5000
1.032	1.387	5000
1.032	1.407	5000

est_theta0	est_theta1	iterations
1.032	1.427	5000
1.032	1.446	5000
1.032	1.466	5000
1.032	1.486	5000
1.032	1.506	5000
1.032	1.526	5000
1.032	1.545	5000
1.031	1.565	5000
1.031	1.585	5000
1.031	1.604	5000
1.031	1.624	5000
1.031	1.644	5000
1.031	1.664	5000
1.031	1.684	5000
1.031	1.703	5000
1.031	1.723	5000
1.031	1.743	5000
1.031	1.763	5000
1.031	1.782	5000
1.031	1.802	5000
1.031	1.822	5000
1.031	1.842	5000
1.031	1.862	5000
1.031	1.881	5000
1.031	1.901	5000
1.031	1.921	5000
1.03	1.941	5000
1.03	1.96	5000
1.03	1.98	5000
1.03	2	5000
1.056	0.04329	5000
1.056	0.0631	5000
1.056	0.08271	5000
1.056	0.1025	5000
1.056	0.1222	5000
1.056	0.1424	5000
1.056	0.162	5000
1.056	0.1816	5000
1.055	0.2015	5000
1.055	0.2211	5000
1.055	0.241	5000
1.055	0.2606	5000
1.055	0.2805	5000
1.055	0.3003	5000
1.055	0.3201	5000
1.055	0.3399	5000
1.055	0.3595	5000
1.055	0.3794	5000
1.055	0.3991	5000
1.055	0.4187	5000
1.055	0.4386	5000
1.055	0.4584	5000

est_theta0	est_theta1	iterations
1.055	0.4781	5000
1.055	0.498	5000
1.055	0.5176	5000
1.055	0.5374	5000
1.054	0.5572	5000
1.054	0.577	5000
1.054	0.5967	5000
1.054	0.6165	5000
1.054	0.6362	5000
1.054	0.6558	5000
1.054	0.6757	5000
1.054	0.6955	5000
1.054	0.7152	5000
1.054	0.735	5000
1.054	0.7547	5000
1.054	0.7746	5000
1.054	0.7944	5000
1.054	0.8141	5000
1.054	0.8338	5000
1.054	0.8537	5000
1.054	0.8734	5000
1.054	0.8931	5000
1.053	0.9129	5000
1.053	0.9328	5000
1.053	0.9524	5000
1.053	0.9723	5000
1.053	0.992	5000
1.053	1.012	5000
1.053	1.032	5000
1.053	1.051	5000
1.053	1.071	5000
1.053	1.091	5000
1.053	1.111	5000
1.053	1.13	5000
1.053	1.15	5000
1.053	1.17	5000
1.053	1.19	5000
1.053	1.209	5000
1.053	1.229	5000
1.053	1.249	5000
1.052	1.268	5000
1.052	1.288	5000
1.052	1.308	5000
1.052	1.328	5000
1.052	1.348	5000
1.052	1.367	5000
1.052	1.387	5000
1.052	1.407	5000
1.052	1.427	5000
1.052	1.446	5000
1.052	1.466	5000
1.052	1.486	5000

est_theta0	est_theta1	iterations
1.052	1.506	5000
1.052	1.526	5000
1.052	1.545	5000
1.052	1.565	5000
1.052	1.585	5000
1.052	1.605	5000
1.052	1.624	5000
1.051	1.644	5000
1.051	1.664	5000
1.051	1.684	5000
1.051	1.703	5000
1.051	1.723	5000
1.051	1.743	5000
1.051	1.763	5000
1.051	1.782	5000
1.051	1.802	5000
1.051	1.822	5000
1.051	1.842	5000
1.051	1.862	5000
1.051	1.881	5000
1.051	1.901	5000
1.051	1.921	5000
1.051	1.941	5000
1.051	1.96	5000
1.051	1.98	5000
1.05	2	5000
1.076	0.04345	5000
1.076	0.06298	5000
1.076	0.08279	5000
1.076	0.1025	5000
1.076	0.1223	5000
1.076	0.1421	5000
1.076	0.1618	5000
1.076	0.1816	5000
1.076	0.2013	5000
1.076	0.2209	5000
1.076	0.2409	5000
1.076	0.2607	5000
1.075	0.2806	5000
1.075	0.3002	5000
1.075	0.3198	5000
1.075	0.3396	5000
1.075	0.3595	5000
1.075	0.3792	5000
1.075	0.399	5000
1.075	0.4189	5000
1.075	0.4384	5000
1.075	0.4583	5000
1.075	0.4782	5000
1.075	0.4979	5000
1.075	0.5176	5000
1.075	0.5374	5000

est_theta0	est_theta1	iterations
1.075	0.5572	5000
1.075	0.577	5000
1.075	0.5965	5000
1.075	0.6164	5000
1.074	0.6362	5000
1.074	0.6559	5000
1.074	0.6756	5000
1.074	0.6954	5000
1.074	0.7153	5000
1.074	0.735	5000
1.074	0.7547	5000
1.074	0.7745	5000
1.074	0.7942	5000
1.074	0.8139	5000
1.074	0.8338	5000
1.074	0.8536	5000
1.074	0.8733	5000
1.074	0.8931	5000
1.074	0.9127	5000
1.074	0.9327	5000
1.074	0.9525	5000
1.074	0.9721	5000
1.073	0.992	5000
1.073	1.012	5000
1.073	1.031	5000
1.073	1.051	5000
1.073	1.071	5000
1.073	1.091	5000
1.073	1.11	5000
1.073	1.13	5000
1.073	1.15	5000
1.073	1.17	5000
1.073	1.189	5000
1.073	1.209	5000
1.073	1.229	5000
1.073	1.249	5000
1.073	1.269	5000
1.073	1.288	5000
1.073	1.308	5000
1.073	1.328	5000
1.072	1.348	5000
1.072	1.367	5000
1.072	1.387	5000
1.072	1.407	5000
1.072	1.427	5000
1.072	1.446	5000
1.072	1.466	5000
1.072	1.486	5000
1.072	1.506	5000
1.072	1.525	5000
1.072	1.545	5000
1.072	1.565	5000

est_theta0	est_theta1	iterations
1.072	1.585	5000
1.072	1.605	5000
1.072	1.624	5000
1.072	1.644	5000
1.072	1.664	5000
1.072	1.684	5000
1.071	1.703	5000
1.071	1.723	5000
1.071	1.743	5000
1.071	1.763	5000
1.071	1.782	5000
1.071	1.802	5000
1.071	1.822	5000
1.071	1.842	5000
1.071	1.861	5000
1.071	1.881	5000
1.071	1.901	5000
1.071	1.921	5000
1.071	1.941	5000
1.071	1.96	5000
1.071	1.98	5000
1.071	2	5000
1.096	0.04331	5000
1.096	0.06282	5000
1.096	0.08261	5000
1.096	0.1026	5000
1.096	0.1223	5000
1.096	0.142	5000
1.096	0.1618	5000
1.096	0.1817	5000
1.096	0.2014	5000
1.096	0.221	5000
1.096	0.2409	5000
1.096	0.2607	5000
1.096	0.2803	5000
1.096	0.3	5000
1.096	0.32	5000
1.095	0.3396	5000
1.095	0.3594	5000
1.095	0.3792	5000
1.095	0.3988	5000
1.095	0.4187	5000
1.095	0.4385	5000
1.095	0.4582	5000
1.095	0.4781	5000
1.095	0.4978	5000
1.095	0.5174	5000
1.095	0.5372	5000
1.095	0.557	5000
1.095	0.5768	5000
1.095	0.5965	5000
1.095	0.6163	5000

est_theta0	est_theta1	iterations
1.095	0.636	5000
1.095	0.6558	5000
1.095	0.6756	5000
1.094	0.6954	5000
1.094	0.7152	5000
1.094	0.7349	5000
1.094	0.7547	5000
1.094	0.7744	5000
1.094	0.7942	5000
1.094	0.814	5000
1.094	0.8337	5000
1.094	0.8534	5000
1.094	0.8733	5000
1.094	0.8931	5000
1.094	0.9128	5000
1.094	0.9324	5000
1.094	0.9521	5000
1.094	0.9721	5000
1.094	0.9919	5000
1.094	1.012	5000
1.094	1.031	5000
1.093	1.051	5000
1.093	1.071	5000
1.093	1.091	5000
1.093	1.11	5000
1.093	1.13	5000
1.093	1.15	5000
1.093	1.17	5000
1.093	1.19	5000
1.093	1.209	5000
1.093	1.229	5000
1.093	1.249	5000
1.093	1.269	5000
1.093	1.288	5000
1.093	1.308	5000
1.093	1.328	5000
1.093	1.347	5000
1.093	1.367	5000
1.093	1.387	5000
1.093	1.407	5000
1.092	1.426	5000
1.092	1.446	5000
1.092	1.466	5000
1.092	1.486	5000
1.092	1.506	5000
1.092	1.526	5000
1.092	1.545	5000
1.092	1.565	5000
1.092	1.585	5000
1.092	1.604	5000
1.092	1.624	5000
1.092	1.644	5000

est_theta0	est_theta1	iterations
1.092	1.664	5000
1.092	1.684	5000
1.092	1.703	5000
1.092	1.723	5000
1.092	1.743	5000
1.092	1.763	5000
1.091	1.782	5000
1.091	1.802	5000
1.091	1.822	5000
1.091	1.842	5000
1.091	1.861	5000
1.091	1.881	5000
1.091	1.901	5000
1.091	1.921	5000
1.091	1.94	5000
1.091	1.96	5000
1.091	1.98	5000
1.091	2	5000
1.117	0.04322	5000
1.116	0.06292	5000
1.116	0.08289	5000
1.116	0.1025	5000
1.116	0.1223	5000
1.116	0.1419	5000
1.116	0.1618	5000
1.116	0.1815	5000
1.116	0.2013	5000
1.116	0.2209	5000
1.116	0.2407	5000
1.116	0.2604	5000
1.116	0.2802	5000
1.116	0.3001	5000
1.116	0.32	5000
1.116	0.3396	5000
1.116	0.3592	5000
1.116	0.3791	5000
1.116	0.3988	5000
1.115	0.4186	5000
1.115	0.4383	5000
1.115	0.4581	5000
1.115	0.4779	5000
1.115	0.4977	5000
1.115	0.5174	5000
1.115	0.5372	5000
1.115	0.5569	5000
1.115	0.5768	5000
1.115	0.5964	5000
1.115	0.6162	5000
1.115	0.636	5000
1.115	0.6558	5000
1.115	0.6755	5000
1.115	0.6952	5000

est_theta0	est_theta1	iterations
1.115	0.715	5000
1.115	0.7348	5000
1.115	0.7547	5000
1.114	0.7743	5000
1.114	0.7941	5000
1.114	0.8139	5000
1.114	0.8337	5000
1.114	0.8533	5000
1.114	0.8733	5000
1.114	0.893	5000
1.114	0.9127	5000
1.114	0.9325	5000
1.114	0.9522	5000
1.114	0.9719	5000
1.114	0.9917	5000
1.114	1.012	5000
1.114	1.031	5000
1.114	1.051	5000
1.114	1.071	5000
1.114	1.091	5000
1.114	1.11	5000
1.113	1.13	5000
1.113	1.15	5000
1.113	1.17	5000
1.113	1.189	5000
1.113	1.209	5000
1.113	1.229	5000
1.113	1.249	5000
1.113	1.269	5000
1.113	1.288	5000
1.113	1.308	5000
1.113	1.328	5000
1.113	1.348	5000
1.113	1.367	5000
1.113	1.387	5000
1.113	1.407	5000
1.113	1.427	5000
1.113	1.446	5000
1.113	1.466	5000
1.112	1.486	5000
1.112	1.506	5000
1.112	1.525	5000
1.112	1.545	5000
1.112	1.565	5000
1.112	1.585	5000
1.112	1.604	5000
1.112	1.624	5000
1.112	1.644	5000
1.112	1.664	5000
1.112	1.684	5000
1.112	1.703	5000
1.112	1.723	5000

est_theta0	est_theta1	iterations
1.112	1.743	5000
1.112	1.762	5000
1.112	1.782	5000
1.112	1.802	5000
1.112	1.822	5000
1.112	1.842	5000
1.111	1.861	5000
1.111	1.881	5000
1.111	1.901	5000
1.111	1.921	5000
1.111	1.94	5000
1.111	1.96	5000
1.111	1.98	5000
1.111	1.999	5000
1.137	0.04318	5000
1.137	0.06279	5000
1.137	0.08265	5000
1.137	0.1024	5000
1.136	0.1222	5000
1.136	0.142	5000
1.136	0.1617	5000
1.136	0.1814	5000
1.136	0.2012	5000
1.136	0.2209	5000
1.136	0.2408	5000
1.136	0.2604	5000
1.136	0.2803	5000
1.136	0.3	5000
1.136	0.3199	5000
1.136	0.3395	5000
1.136	0.3593	5000
1.136	0.3791	5000
1.136	0.3989	5000
1.136	0.4186	5000
1.136	0.4384	5000
1.136	0.4581	5000
1.135	0.4778	5000
1.135	0.4975	5000
1.135	0.5174	5000
1.135	0.5372	5000
1.135	0.5571	5000
1.135	0.5766	5000
1.135	0.5964	5000
1.135	0.6162	5000
1.135	0.6358	5000
1.135	0.6558	5000
1.135	0.6755	5000
1.135	0.6953	5000
1.135	0.715	5000
1.135	0.7349	5000
1.135	0.7545	5000
1.135	0.7743	5000

est_theta0	est_theta1	iterations
1.135	0.7942	5000
1.135	0.8139	5000
1.134	0.8335	5000
1.134	0.8533	5000
1.134	0.873	5000
1.134	0.8928	5000
1.134	0.9126	5000
1.134	0.9325	5000
1.134	0.9523	5000
1.134	0.972	5000
1.134	0.9916	5000
1.134	1.011	5000
1.134	1.031	5000
1.134	1.051	5000
1.134	1.071	5000
1.134	1.091	5000
1.134	1.11	5000
1.134	1.13	5000
1.134	1.15	5000
1.134	1.17	5000
1.134	1.189	5000
1.133	1.209	5000
1.133	1.229	5000
1.133	1.249	5000
1.133	1.268	5000
1.133	1.288	5000
1.133	1.308	5000
1.133	1.328	5000
1.133	1.347	5000
1.133	1.367	5000
1.133	1.387	5000
1.133	1.407	5000
1.133	1.426	5000
1.133	1.446	5000
1.133	1.466	5000
1.133	1.486	5000
1.133	1.505	5000
1.133	1.525	5000
1.132	1.545	5000
1.132	1.565	5000
1.132	1.585	5000
1.132	1.604	5000
1.132	1.624	5000
1.132	1.644	5000
1.132	1.664	5000
1.132	1.683	5000
1.132	1.703	5000
1.132	1.723	5000
1.132	1.743	5000
1.132	1.762	5000
1.132	1.782	5000
1.132	1.802	5000

est_theta0	est_theta1	iterations
1.132	1.822	5000
1.132	1.841	5000
1.132	1.861	5000
1.132	1.881	5000
1.132	1.901	5000
1.131	1.921	5000
1.131	1.94	5000
1.131	1.96	5000
1.131	1.98	5000
1.131	2	5000
1.157	0.04306	5000
1.157	0.06268	5000
1.157	0.08254	5000
1.157	0.1023	5000
1.157	0.1221	5000
1.157	0.1418	5000
1.157	0.1616	5000
1.156	0.1813	5000
1.156	0.2011	5000
1.156	0.2208	5000
1.156	0.2406	5000
1.156	0.2605	5000
1.156	0.2803	5000
1.156	0.3	5000
1.156	0.3197	5000
1.156	0.3395	5000
1.156	0.3592	5000
1.156	0.379	5000
1.156	0.3988	5000
1.156	0.4185	5000
1.156	0.4382	5000
1.156	0.4579	5000
1.156	0.4778	5000
1.156	0.4977	5000
1.156	0.5174	5000
1.156	0.5371	5000
1.155	0.5569	5000
1.155	0.5766	5000
1.155	0.5964	5000
1.155	0.6161	5000
1.155	0.6361	5000
1.155	0.6556	5000
1.155	0.6754	5000
1.155	0.6951	5000
1.155	0.715	5000
1.155	0.7347	5000
1.155	0.7546	5000
1.155	0.7743	5000
1.155	0.7939	5000
1.155	0.8139	5000
1.155	0.8336	5000
1.155	0.8533	5000

est_theta0	est_theta1	iterations
1.155	0.8732	5000
1.155	0.8929	5000
1.154	0.9127	5000
1.154	0.9323	5000
1.154	0.9521	5000
1.154	0.9718	5000
1.154	0.9916	5000
1.154	1.011	5000
1.154	1.031	5000
1.154	1.051	5000
1.154	1.071	5000
1.154	1.09	5000
1.154	1.11	5000
1.154	1.13	5000
1.154	1.15	5000
1.154	1.17	5000
1.154	1.189	5000
1.154	1.209	5000
1.154	1.229	5000
1.154	1.248	5000
1.153	1.268	5000
1.153	1.288	5000
1.153	1.308	5000
1.153	1.328	5000
1.153	1.347	5000
1.153	1.367	5000
1.153	1.387	5000
1.153	1.407	5000
1.153	1.426	5000
1.153	1.446	5000
1.153	1.466	5000
1.153	1.486	5000
1.153	1.505	5000
1.153	1.525	5000
1.153	1.545	5000
1.153	1.565	5000
1.153	1.585	5000
1.153	1.604	5000
1.152	1.624	5000
1.152	1.644	5000
1.152	1.664	5000
1.152	1.683	5000
1.152	1.703	5000
1.152	1.723	5000
1.152	1.743	5000
1.152	1.762	5000
1.152	1.782	5000
1.152	1.802	5000
1.152	1.822	5000
1.152	1.842	5000
1.152	1.861	5000
1.152	1.881	5000

est_theta0	est_theta1	iterations
1.152	1.901	5000
1.152	1.92	5000
1.152	1.94	5000
1.152	1.96	5000
1.151	1.98	5000
1.151	2	5000
1.177	0.04305	5000
1.177	0.06274	5000
1.177	0.08248	5000
1.177	0.1021	5000
1.177	0.122	5000
1.177	0.1419	5000
1.177	0.1615	5000
1.177	0.1814	5000
1.177	0.2011	5000
1.177	0.2209	5000
1.177	0.2405	5000
1.176	0.2602	5000
1.176	0.28	5000
1.176	0.2999	5000
1.176	0.3195	5000
1.176	0.3394	5000
1.176	0.3591	5000
1.176	0.3789	5000
1.176	0.3986	5000
1.176	0.4184	5000
1.176	0.4382	5000
1.176	0.458	5000
1.176	0.4778	5000
1.176	0.4976	5000
1.176	0.5173	5000
1.176	0.537	5000
1.176	0.5568	5000
1.176	0.5765	5000
1.176	0.5963	5000
1.175	0.6161	5000
1.175	0.6358	5000
1.175	0.6556	5000
1.175	0.6754	5000
1.175	0.6952	5000
1.175	0.7149	5000
1.175	0.7346	5000
1.175	0.7544	5000
1.175	0.7742	5000
1.175	0.7939	5000
1.175	0.8137	5000
1.175	0.8334	5000
1.175	0.8531	5000
1.175	0.873	5000
1.175	0.8927	5000
1.175	0.9126	5000
1.175	0.9324	5000

est_theta0	est_theta1	iterations
1.175	0.9521	5000
1.174	0.9718	5000
1.174	0.9916	5000
1.174	1.011	5000
1.174	1.031	5000
1.174	1.051	5000
1.174	1.071	5000
1.174	1.09	5000
1.174	1.11	5000
1.174	1.13	5000
1.174	1.15	5000
1.174	1.169	5000
1.174	1.189	5000
1.174	1.209	5000
1.174	1.229	5000
1.174	1.248	5000
1.174	1.268	5000
1.174	1.288	5000
1.174	1.308	5000
1.173	1.327	5000
1.173	1.347	5000
1.173	1.367	5000
1.173	1.387	5000
1.173	1.407	5000
1.173	1.426	5000
1.173	1.446	5000
1.173	1.466	5000
1.173	1.486	5000
1.173	1.505	5000
1.173	1.525	5000
1.173	1.545	5000
1.173	1.565	5000
1.173	1.585	5000
1.173	1.604	5000
1.173	1.624	5000
1.173	1.644	5000
1.173	1.664	5000
1.173	1.683	5000
1.172	1.703	5000
1.172	1.723	5000
1.172	1.743	5000
1.172	1.762	5000
1.172	1.782	5000
1.172	1.802	5000
1.172	1.822	5000
1.172	1.841	5000
1.172	1.861	5000
1.172	1.881	5000
1.172	1.901	5000
1.172	1.92	5000
1.172	1.94	5000
1.172	1.96	5000

est_theta0	est_theta1	iterations
1.172	1.98	5000
1.172	1.999	5000
1.197	0.04283	5000
1.197	0.0626	5000
1.197	0.08259	5000
1.197	0.1022	5000
1.197	0.1219	5000
1.197	0.1416	5000
1.197	0.1615	5000
1.197	0.1813	5000
1.197	0.201	5000
1.197	0.2208	5000
1.197	0.2405	5000
1.197	0.2604	5000
1.197	0.2799	5000
1.197	0.2997	5000
1.196	0.3195	5000
1.196	0.3394	5000
1.196	0.3592	5000
1.196	0.3789	5000
1.196	0.3986	5000
1.196	0.4184	5000
1.196	0.4382	5000
1.196	0.4578	5000
1.196	0.4777	5000
1.196	0.4973	5000
1.196	0.5171	5000
1.196	0.537	5000
1.196	0.5567	5000
1.196	0.5765	5000
1.196	0.5962	5000
1.196	0.616	5000
1.196	0.6357	5000
1.196	0.6556	5000
1.195	0.6753	5000
1.195	0.695	5000
1.195	0.7147	5000
1.195	0.7346	5000
1.195	0.7543	5000
1.195	0.7742	5000
1.195	0.7938	5000
1.195	0.8136	5000
1.195	0.8334	5000
1.195	0.8531	5000
1.195	0.873	5000
1.195	0.8927	5000
1.195	0.9125	5000
1.195	0.9323	5000
1.195	0.952	5000
1.195	0.9717	5000
1.195	0.9915	5000
1.195	1.011	5000

est_theta0	est_theta1	iterations
1.195	1.031	5000
1.194	1.051	5000
1.194	1.071	5000
1.194	1.09	5000
1.194	1.11	5000
1.194	1.13	5000
1.194	1.15	5000
1.194	1.169	5000
1.194	1.189	5000
1.194	1.209	5000
1.194	1.229	5000
1.194	1.248	5000
1.194	1.268	5000
1.194	1.288	5000
1.194	1.308	5000
1.194	1.327	5000
1.194	1.347	5000
1.194	1.367	5000
1.194	1.387	5000
1.193	1.406	5000
1.193	1.426	5000
1.193	1.446	5000
1.193	1.466	5000
1.193	1.485	5000
1.193	1.505	5000
1.193	1.525	5000
1.193	1.545	5000
1.193	1.565	5000
1.193	1.584	5000
1.193	1.604	5000
1.193	1.624	5000
1.193	1.644	5000
1.193	1.663	5000
1.193	1.683	5000
1.193	1.703	5000
1.193	1.723	5000
1.193	1.742	5000
1.192	1.762	5000
1.192	1.782	5000
1.192	1.802	5000
1.192	1.821	5000
1.192	1.841	5000
1.192	1.861	5000
1.192	1.881	5000
1.192	1.901	5000
1.192	1.92	5000
1.192	1.94	5000
1.192	1.96	5000
1.192	1.98	5000
1.192	1.999	5000
1.217	0.0427	5000
1.217	0.06258	5000

est_theta0	est_theta1	iterations
1.217	0.08227	5000
1.217	0.1021	5000
1.217	0.1218	5000
1.217	0.1418	5000
1.217	0.1614	5000
1.217	0.1811	5000
1.217	0.2009	5000
1.217	0.2207	5000
1.217	0.2404	5000
1.217	0.2601	5000
1.217	0.28	5000
1.217	0.2998	5000
1.217	0.3196	5000
1.217	0.3394	5000
1.217	0.3589	5000
1.217	0.3789	5000
1.216	0.3986	5000
1.216	0.4183	5000
1.216	0.4382	5000
1.216	0.458	5000
1.216	0.4776	5000
1.216	0.4974	5000
1.216	0.5172	5000
1.216	0.5369	5000
1.216	0.5566	5000
1.216	0.5765	5000
1.216	0.5961	5000
1.216	0.6159	5000
1.216	0.6358	5000
1.216	0.6555	5000
1.216	0.6752	5000
1.216	0.6951	5000
1.216	0.7148	5000
1.216	0.7346	5000
1.215	0.7542	5000
1.215	0.774	5000
1.215	0.7937	5000
1.215	0.8135	5000
1.215	0.8333	5000
1.215	0.853	5000
1.215	0.873	5000
1.215	0.8927	5000
1.215	0.9124	5000
1.215	0.9321	5000
1.215	0.952	5000
1.215	0.9717	5000
1.215	0.9914	5000
1.215	1.011	5000
1.215	1.031	5000
1.215	1.051	5000
1.215	1.071	5000
1.215	1.09	5000

est_theta0	est_theta1	iterations
1.214	1.11	5000
1.214	1.13	5000
1.214	1.15	5000
1.214	1.169	5000
1.214	1.189	5000
1.214	1.209	5000
1.214	1.229	5000
1.214	1.248	5000
1.214	1.268	5000
1.214	1.288	5000
1.214	1.308	5000
1.214	1.327	5000
1.214	1.347	5000
1.214	1.367	5000
1.214	1.387	5000
1.214	1.407	5000
1.214	1.426	5000
1.214	1.446	5000
1.214	1.466	5000
1.213	1.486	5000
1.213	1.505	5000
1.213	1.525	5000
1.213	1.545	5000
1.213	1.564	5000
1.213	1.584	5000
1.213	1.604	5000
1.213	1.624	5000
1.213	1.644	5000
1.213	1.663	5000
1.213	1.683	5000
1.213	1.703	5000
1.213	1.723	5000
1.213	1.742	5000
1.213	1.762	5000
1.213	1.782	5000
1.213	1.802	5000
1.212	1.821	5000
1.212	1.841	5000
1.212	1.861	5000
1.212	1.881	5000
1.212	1.901	5000
1.212	1.92	5000
1.212	1.94	5000
1.212	1.96	0
1.212	1.98	5000
1.212	1.999	5000
1.238	0.04276	5000
1.238	0.06245	5000
1.238	0.0823	5000
1.237	0.102	5000
1.237	0.1219	5000
1.237	0.1415	5000

est_theta0	est_theta1	iterations
1.237	0.1614	5000
1.237	0.181	5000
1.237	0.2009	5000
1.237	0.2207	5000
1.237	0.2404	5000
1.237	0.2602	5000
1.237	0.2799	5000
1.237	0.2996	5000
1.237	0.3196	5000
1.237	0.339	5000
1.237	0.3591	5000
1.237	0.3787	5000
1.237	0.3985	5000
1.237	0.4183	5000
1.237	0.4379	5000
1.236	0.4578	5000
1.236	0.4775	5000
1.236	0.4973	5000
1.236	0.5171	5000
1.236	0.5369	5000
1.236	0.5566	5000
1.236	0.5763	5000
1.236	0.596	5000
1.236	0.6158	5000
1.236	0.6356	5000
1.236	0.6554	5000
1.236	0.6752	5000
1.236	0.695	5000
1.236	0.7147	5000
1.236	0.7344	5000
1.236	0.7542	5000
1.236	0.7739	5000
1.236	0.7938	5000
1.236	0.8136	5000
1.235	0.8332	5000
1.235	0.853	5000
1.235	0.8728	5000
1.235	0.8926	5000
1.235	0.9123	5000
1.235	0.932	5000
1.235	0.9519	5000
1.235	0.9717	5000
1.235	0.9914	5000
1.235	1.011	5000
1.235	1.031	5000
1.235	1.051	5000
1.235	1.07	5000
1.235	1.09	5000
1.235	1.11	5000
1.235	1.13	5000
1.235	1.149	5000
1.235	1.169	5000

est_theta0	est_theta1	iterations
1.234	1.189	5000
1.234	1.209	5000
1.234	1.228	5000
1.234	1.248	5000
1.234	1.268	5000
1.234	1.288	5000
1.234	1.308	5000
1.234	1.327	5000
1.234	1.347	5000
1.234	1.367	5000
1.234	1.387	5000
1.234	1.406	5000
1.234	1.426	5000
1.234	1.446	5000
1.234	1.466	5000
1.234	1.485	5000
1.234	1.505	5000
1.234	1.525	5000
1.233	1.545	5000
1.233	1.564	5000
1.233	1.584	5000
1.233	1.604	5000
1.233	1.624	5000
1.233	1.644	5000
1.233	1.663	5000
1.233	1.683	5000
1.233	1.703	5000
1.233	1.723	5000
1.233	1.742	5000
1.233	1.762	5000
1.233	1.782	5000
1.233	1.802	5000
1.233	1.821	5000
1.233	1.841	5000
1.233	1.861	5000
1.233	1.881	5000
1.232	1.9	5000
1.232	1.92	5000
1.232	1.94	5000
1.232	1.96	5000
1.232	1.98	5000
1.232	1.999	5000
1.258	0.0426	5000
1.258	0.06234	5000
1.258	0.08213	5000
1.258	0.102	5000
1.258	0.1217	5000
1.258	0.1415	5000
1.258	0.1613	5000
1.257	0.181	5000
1.257	0.2008	5000
1.257	0.2205	5000

est_theta0	est_theta1	iterations
1.257	0.2404	5000
1.257	0.2601	5000
1.257	0.2798	5000
1.257	0.2996	5000
1.257	0.3193	5000
1.257	0.339	5000
1.257	0.3589	5000
1.257	0.3785	5000
1.257	0.3984	5000
1.257	0.4181	5000
1.257	0.4381	5000
1.257	0.4577	5000
1.257	0.4774	5000
1.257	0.4973	5000
1.257	0.517	5000
1.256	0.5367	5000
1.256	0.5567	5000
1.256	0.5763	5000
1.256	0.5961	5000
1.256	0.6158	5000
1.256	0.6356	5000
1.256	0.6552	5000
1.256	0.675	5000
1.256	0.6949	5000
1.256	0.7147	5000
1.256	0.7342	5000
1.256	0.7542	5000
1.256	0.7739	5000
1.256	0.7937	5000
1.256	0.8136	5000
1.256	0.8332	5000
1.256	0.8529	5000
1.256	0.8726	5000
1.255	0.8924	5000
1.255	0.9121	5000
1.255	0.9321	5000
1.255	0.9517	5000
1.255	0.9717	5000
1.255	0.9913	5000
1.255	1.011	5000
1.255	1.031	5000
1.255	1.05	5000
1.255	1.07	5000
1.255	1.09	5000
1.255	1.11	5000
1.255	1.13	5000
1.255	1.149	5000
1.255	1.169	5000
1.255	1.189	5000
1.255	1.209	5000
1.255	1.229	5000
1.255	1.248	5000

est_theta0	est_theta1	iterations
1.254	1.268	5000
1.254	1.288	5000
1.254	1.308	5000
1.254	1.327	5000
1.254	1.347	5000
1.254	1.367	5000
1.254	1.387	5000
1.254	1.406	5000
1.254	1.426	5000
1.254	1.446	5000
1.254	1.466	5000
1.254	1.485	5000
1.254	1.505	5000
1.254	1.525	5000
1.254	1.545	5000
1.254	1.564	5000
1.254	1.584	5000
1.253	1.604	5000
1.253	1.624	5000
1.253	1.644	5000
1.253	1.663	5000
1.253	1.683	5000
1.253	1.703	5000
1.253	1.723	5000
1.253	1.742	5000
1.253	1.762	5000
1.253	1.782	5000
1.253	1.802	5000
1.253	1.821	5000
1.253	1.841	5000
1.253	1.861	5000
1.253	1.881	5000
1.253	1.9	5000
1.253	1.92	5000
1.253	1.94	5000
1.252	1.96	5000
1.252	1.979	5000
1.252	1.999	5000
1.278	0.04266	5000
1.278	0.06227	5000
1.278	0.08221	5000
1.278	0.1019	5000
1.278	0.1217	5000
1.278	0.1414	5000
1.278	0.1613	5000
1.278	0.1809	5000
1.278	0.2007	5000
1.278	0.2204	5000
1.277	0.2402	5000
1.277	0.26	5000
1.277	0.2798	5000
1.277	0.2996	5000

est_theta0	est_theta1	iterations
1.277	0.3193	5000
1.277	0.3389	5000
1.277	0.3588	5000
1.277	0.3786	5000
1.277	0.3984	5000
1.277	0.4182	5000
1.277	0.4379	5000
1.277	0.4577	5000
1.277	0.4774	5000
1.277	0.4971	5000
1.277	0.5169	5000
1.277	0.5365	5000
1.277	0.5564	5000
1.277	0.5762	5000
1.276	0.596	5000
1.276	0.6157	5000
1.276	0.6356	5000
1.276	0.6551	5000
1.276	0.6751	5000
1.276	0.6948	5000
1.276	0.7145	5000
1.276	0.7344	5000
1.276	0.7542	5000
1.276	0.7738	5000
1.276	0.7935	5000
1.276	0.8134	5000
1.276	0.8334	5000
1.276	0.8529	5000
1.276	0.8726	5000
1.276	0.8925	5000
1.276	0.9122	5000
1.276	0.932	5000
1.276	0.9517	5000
1.275	0.9716	5000
1.275	0.9913	5000
1.275	1.011	5000
1.275	1.031	5000
1.275	1.051	5000
1.275	1.07	5000
1.275	1.09	5000
1.275	1.11	5000
1.275	1.13	5000
1.275	1.149	5000
1.275	1.169	5000
1.275	1.189	5000
1.275	1.209	5000
1.275	1.228	5000
1.275	1.248	5000
1.275	1.268	5000
1.275	1.288	5000
1.275	1.307	5000
1.274	1.327	5000

est_theta0	est_theta1	iterations
1.274	1.347	5000
1.274	1.367	5000
1.274	1.386	5000
1.274	1.406	5000
1.274	1.426	5000
1.274	1.446	5000
1.274	1.466	5000
1.274	1.485	5000
1.274	1.505	5000
1.274	1.525	5000
1.274	1.545	5000
1.274	1.564	5000
1.274	1.584	5000
1.274	1.604	5000
1.274	1.624	5000
1.274	1.643	5000
1.274	1.663	5000
1.273	1.683	5000
1.273	1.703	5000
1.273	1.722	5000
1.273	1.742	5000
1.273	1.762	5000
1.273	1.782	5000
1.273	1.802	5000
1.273	1.821	5000
1.273	1.841	5000
1.273	1.861	5000
1.273	1.88	5000
1.273	1.9	5000
1.273	1.92	5000
1.273	1.94	5000
1.273	1.959	5000
1.273	1.979	5000
1.273	1.999	5000
1.298	0.04262	5000
1.298	0.06231	5000
1.298	0.08218	5000
1.298	0.1019	5000
1.298	0.1216	5000
1.298	0.1414	5000
1.298	0.1611	5000
1.298	0.181	5000
1.298	0.2007	5000
1.298	0.2204	5000
1.298	0.2401	5000
1.298	0.2599	5000
1.298	0.2797	5000
1.298	0.2995	5000
1.297	0.3192	5000
1.297	0.339	5000
1.297	0.3588	5000
1.297	0.3786	5000

est_theta0	est_theta1	iterations
1.297	0.3983	5000
1.297	0.4179	5000
1.297	0.4379	5000
1.297	0.4573	5000
1.297	0.4773	5000
1.297	0.4972	5000
1.297	0.5169	5000
1.297	0.5366	5000
1.297	0.5564	5000
1.297	0.5761	5000
1.297	0.5959	5000
1.297	0.6156	5000
1.297	0.6354	5000
1.297	0.6551	5000
1.296	0.6749	5000
1.296	0.6948	5000
1.296	0.7144	5000
1.296	0.7342	5000
1.296	0.754	5000
1.296	0.7739	5000
1.296	0.7937	5000
1.296	0.8133	5000
1.296	0.833	5000
1.296	0.8528	5000
1.296	0.8727	5000
1.296	0.8923	5000
1.296	0.912	5000
1.296	0.9319	5000
1.296	0.9517	5000
1.296	0.9714	5000
1.296	0.9911	5000
1.296	1.011	5000
1.295	1.031	5000
1.295	1.05	5000
1.295	1.07	5000
1.295	1.09	5000
1.295	1.11	5000
1.295	1.129	5000
1.295	1.149	5000
1.295	1.169	5000
1.295	1.189	5000
1.295	1.208	5000
1.295	1.228	5000
1.295	1.248	5000
1.295	1.268	5000
1.295	1.288	5000
1.295	1.307	5000
1.295	1.327	5000
1.295	1.347	5000
1.295	1.367	5000
1.294	1.386	5000
1.294	1.406	5000

est_theta0	est_theta1	iterations
1.294	1.426	5000
1.294	1.446	5000
1.294	1.466	5000
1.294	1.485	5000
1.294	1.505	5000
1.294	1.525	5000
1.294	1.544	5000
1.294	1.564	5000
1.294	1.584	5000
1.294	1.604	5000
1.294	1.624	5000
1.294	1.643	5000
1.294	1.663	5000
1.294	1.683	5000
1.294	1.702	5000
1.294	1.722	5000
1.293	1.742	5000
1.293	1.762	5000
1.293	1.782	5000
1.293	1.801	5000
1.293	1.821	5000
1.293	1.841	5000
1.293	1.861	5000
1.293	1.88	5000
1.293	1.9	5000
1.293	1.92	5000
1.293	1.94	5000
1.293	1.96	5000
1.293	1.979	5000
1.293	1.999	5000
1.318	0.04254	5000
1.318	0.06223	5000
1.318	0.08198	5000
1.318	0.1018	5000
1.318	0.1215	5000
1.318	0.1413	5000
1.318	0.1612	5000
1.318	0.1809	5000
1.318	0.2006	5000
1.318	0.2204	5000
1.318	0.24	5000
1.318	0.2599	5000
1.318	0.2797	5000
1.318	0.2993	5000
1.318	0.3191	5000
1.318	0.339	5000
1.318	0.3586	5000
1.317	0.3784	5000
1.317	0.3982	5000
1.317	0.418	5000
1.317	0.4378	5000
1.317	0.4576	5000

est_theta0	est_theta1	iterations
1.317	0.4774	5000
1.317	0.4971	5000
1.317	0.5169	5000
1.317	0.5365	5000
1.317	0.5562	5000
1.317	0.5763	5000
1.317	0.5958	5000
1.317	0.6157	5000
1.317	0.6355	5000
1.317	0.6551	5000
1.317	0.6749	5000
1.317	0.6947	5000
1.317	0.7144	5000
1.316	0.7341	5000
1.316	0.754	5000
1.316	0.7738	5000
1.316	0.7935	5000
1.316	0.8132	5000
1.316	0.833	5000
1.316	0.8528	5000
1.316	0.8726	5000
1.316	0.8923	5000
1.316	0.912	5000
1.316	0.9318	5000
1.316	0.9517	5000
1.316	0.9713	5000
1.316	0.9912	5000
1.316	1.011	5000
1.316	1.031	5000
1.316	1.05	5000
1.316	1.07	5000
1.315	1.09	5000
1.315	1.11	5000
1.315	1.129	5000
1.315	1.149	5000
1.315	1.169	5000
1.315	1.189	5000
1.315	1.209	5000
1.315	1.228	5000
1.315	1.248	5000
1.315	1.268	5000
1.315	1.288	5000
1.315	1.308	5000
1.315	1.327	5000
1.315	1.347	5000
1.315	1.367	5000
1.315	1.386	5000
1.315	1.406	5000
1.315	1.426	5000
1.315	1.446	5000
1.314	1.465	5000
1.314	1.485	5000

est_theta0	est_theta1	iterations
1.314	1.505	5000
1.314	1.525	5000
1.314	1.545	5000
1.314	1.564	5000
1.314	1.584	5000
1.314	1.604	5000
1.314	1.623	5000
1.314	1.643	5000
1.314	1.663	5000
1.314	1.683	5000
1.314	1.703	5000
1.314	1.722	5000
1.314	1.742	5000
1.314	1.762	5000
1.314	1.782	5000
1.314	1.801	5000
1.313	1.821	5000
1.313	1.841	5000
1.313	1.861	5000
1.313	1.88	5000
1.313	1.9	5000
1.313	1.92	5000
1.313	1.94	5000
1.313	1.959	5000
1.313	1.979	5000
1.313	1.999	5000
1.339	0.04252	5000
1.339	0.06222	5000
1.339	0.08208	5000
1.338	0.1017	5000
1.338	0.1214	5000
1.338	0.1413	5000
1.338	0.1611	5000
1.338	0.1808	5000
1.338	0.2004	5000
1.338	0.2203	5000
1.338	0.2402	5000
1.338	0.2599	5000
1.338	0.2795	5000
1.338	0.2993	5000
1.338	0.319	5000
1.338	0.339	5000
1.338	0.3587	5000
1.338	0.3786	5000
1.338	0.3982	5000
1.338	0.4179	5000
1.337	0.4376	5000
1.337	0.4574	5000
1.337	0.4774	5000
1.337	0.497	5000
1.337	0.5166	5000
1.337	0.5366	5000

est_theta0	est_theta1	iterations
1.337	0.5564	5000
1.337	0.576	5000
1.337	0.5957	5000
1.337	0.6155	5000
1.337	0.6354	5000
1.337	0.6551	5000
1.337	0.6749	5000
1.337	0.6947	5000
1.337	0.7144	5000
1.337	0.7342	5000
1.337	0.7539	5000
1.337	0.7737	5000
1.337	0.7934	5000
1.336	0.8133	5000
1.336	0.8329	5000
1.336	0.8528	5000
1.336	0.8724	5000
1.336	0.8923	5000
1.336	0.912	5000
1.336	0.9317	5000
1.336	0.9515	5000
1.336	0.9713	5000
1.336	0.9911	5000
1.336	1.011	5000
1.336	1.031	5000
1.336	1.05	5000
1.336	1.07	5000
1.336	1.09	5000
1.336	1.11	5000
1.336	1.129	5000
1.336	1.149	5000
1.335	1.169	5000
1.335	1.189	5000
1.335	1.208	5000
1.335	1.228	5000
1.335	1.248	5000
1.335	1.268	5000
1.335	1.287	5000
1.335	1.307	5000
1.335	1.327	5000
1.335	1.347	5000
1.335	1.367	5000
1.335	1.386	5000
1.335	1.406	5000
1.335	1.426	5000
1.335	1.446	5000
1.335	1.465	5000
1.335	1.485	5000
1.335	1.505	5000
1.334	1.524	5000
1.334	1.544	5000
1.334	1.564	5000

est_theta0	est_theta1	iterations
1.334	1.584	5000
1.334	1.604	5000
1.334	1.623	5000
1.334	1.643	5000
1.334	1.663	5000
1.334	1.683	5000
1.334	1.703	5000
1.334	1.722	5000
1.334	1.742	5000
1.334	1.762	5000
1.334	1.781	5000
1.334	1.801	5000
1.334	1.821	5000
1.334	1.841	5000
1.334	1.861	5000
1.334	1.88	5000
1.333	1.9	5000
1.333	1.92	5000
1.333	1.94	5000
1.333	1.959	5000
1.333	1.979	5000
1.333	1.999	5000
1.359	0.04238	5000
1.359	0.06208	5000
1.359	0.08195	5000
1.359	0.1016	5000
1.359	0.1214	5000
1.359	0.1412	5000
1.358	0.161	5000
1.358	0.1807	5000
1.358	0.2005	5000
1.358	0.2203	5000
1.358	0.24	5000
1.358	0.2598	5000
1.358	0.2796	5000
1.358	0.2994	5000
1.358	0.3191	5000
1.358	0.3387	5000
1.358	0.3586	5000
1.358	0.3783	5000
1.358	0.3979	5000
1.358	0.4178	5000
1.358	0.4375	5000
1.358	0.4575	5000
1.358	0.4772	5000
1.358	0.4969	5000
1.357	0.5167	5000
1.357	0.5365	5000
1.357	0.5563	5000
1.357	0.5758	5000
1.357	0.5957	5000
1.357	0.6155	5000

est_theta0	est_theta1	iterations
1.357	0.6352	5000
1.357	0.655	5000
1.357	0.6747	5000
1.357	0.6946	5000
1.357	0.7143	5000
1.357	0.734	5000
1.357	0.754	5000
1.357	0.7736	5000
1.357	0.7933	5000
1.357	0.8132	5000
1.357	0.8331	5000
1.357	0.8528	5000
1.357	0.8725	5000
1.356	0.8922	5000
1.356	0.9119	5000
1.356	0.9317	5000
1.356	0.9516	5000
1.356	0.9712	5000
1.356	0.991	5000
1.356	1.011	5000
1.356	1.031	5000
1.356	1.05	5000
1.356	1.07	5000
1.356	1.09	5000
1.356	1.11	5000
1.356	1.129	5000
1.356	1.149	5000
1.356	1.169	5000
1.356	1.189	5000
1.356	1.208	5000
1.356	1.228	5000
1.355	1.248	5000
1.355	1.268	5000
1.355	1.287	5000
1.355	1.307	5000
1.355	1.327	5000
1.355	1.347	5000
1.355	1.366	5000
1.355	1.386	5000
1.355	1.406	5000
1.355	1.426	5000
1.355	1.445	5000
1.355	1.465	5000
1.355	1.485	5000
1.355	1.505	5000
1.355	1.524	5000
1.355	1.544	5000
1.355	1.564	5000
1.355	1.584	5000
1.354	1.604	5000
1.354	1.623	5000
1.354	1.643	5000

est_theta0	est_theta1	iterations
1.354	1.663	5000
1.354	1.683	5000
1.354	1.702	5000
1.354	1.722	5000
1.354	1.742	5000
1.354	1.762	5000
1.354	1.782	5000
1.354	1.801	5000
1.354	1.821	5000
1.354	1.841	5000
1.354	1.861	5000
1.354	1.88	5000
1.354	1.9	5000
1.354	1.92	5000
1.354	1.94	5000
1.353	1.959	5000
1.353	1.979	5000
1.353	1.999	5000
1.379	0.04225	5000
1.379	0.06206	5000
1.379	0.08185	5000
1.379	0.1017	5000
1.379	0.1213	5000
1.379	0.1411	5000
1.379	0.1609	5000
1.379	0.1807	5000
1.379	0.2005	5000
1.378	0.2201	5000
1.378	0.2398	5000
1.378	0.2598	5000
1.378	0.2796	5000
1.378	0.2992	5000
1.378	0.3191	5000
1.378	0.3387	5000
1.378	0.3585	5000
1.378	0.3782	5000
1.378	0.3979	5000
1.378	0.4178	5000
1.378	0.4376	5000
1.378	0.4573	5000
1.378	0.477	5000
1.378	0.4968	5000
1.378	0.5165	5000
1.378	0.5364	5000
1.378	0.5561	5000
1.378	0.5759	5000
1.377	0.5956	5000
1.377	0.6154	5000
1.377	0.6351	5000
1.377	0.655	5000
1.377	0.6748	5000
1.377	0.6944	5000

est_theta0	est_theta1	iterations
1.377	0.7142	5000
1.377	0.734	5000
1.377	0.7537	5000
1.377	0.7736	5000
1.377	0.7932	5000
1.377	0.813	5000
1.377	0.8328	5000
1.377	0.8526	5000
1.377	0.8724	5000
1.377	0.8921	5000
1.377	0.9119	5000
1.377	0.9317	5000
1.376	0.9514	5000
1.376	0.9713	5000
1.376	0.9909	5000
1.376	1.011	5000
1.376	1.03	5000
1.376	1.05	5000
1.376	1.07	5000
1.376	1.09	5000
1.376	1.109	5000
1.376	1.129	5000
1.376	1.149	5000
1.376	1.169	5000
1.376	1.189	5000
1.376	1.208	5000
1.376	1.228	5000
1.376	1.248	5000
1.376	1.268	5000
1.376	1.287	5000
1.375	1.307	5000
1.375	1.327	5000
1.375	1.347	5000
1.375	1.366	5000
1.375	1.386	5000
1.375	1.406	5000
1.375	1.426	5000
1.375	1.445	5000
1.375	1.465	5000
1.375	1.485	5000
1.375	1.505	5000
1.375	1.524	5000
1.375	1.544	5000
1.375	1.564	5000
1.375	1.584	5000
1.375	1.604	5000
1.375	1.623	5000
1.375	1.643	5000
1.374	1.663	5000
1.374	1.683	5000
1.374	1.702	5000
1.374	1.722	5000

est_theta0	est_theta1	iterations
1.374	1.742	5000
1.374	1.762	5000
1.374	1.781	5000
1.374	1.801	5000
1.374	1.821	5000
1.374	1.841	5000
1.374	1.86	5000
1.374	1.88	5000
1.374	1.9	5000
1.374	1.92	5000
1.374	1.94	5000
1.374	1.959	5000
1.374	1.979	5000
1.374	1.999	5000
1.399	0.04226	5000
1.399	0.06199	5000
1.399	0.0818	5000
1.399	0.1016	5000
1.399	0.1213	5000
1.399	0.141	5000
1.399	0.1607	5000
1.399	0.1806	5000
1.399	0.2004	5000
1.399	0.22	5000
1.399	0.2398	5000
1.399	0.2597	5000
1.399	0.2793	5000
1.398	0.2991	5000
1.398	0.3189	5000
1.398	0.3386	5000
1.398	0.3585	5000
1.398	0.3783	5000
1.398	0.3979	5000
1.398	0.4176	5000
1.398	0.4375	5000
1.398	0.4573	5000
1.398	0.4769	5000
1.398	0.4968	5000
1.398	0.5165	5000
1.398	0.5363	5000
1.398	0.556	5000
1.398	0.5758	5000
1.398	0.5955	5000
1.398	0.6154	5000
1.398	0.6351	5000
1.397	0.6547	5000
1.397	0.6748	5000
1.397	0.6943	5000
1.397	0.7142	5000
1.397	0.7338	5000
1.397	0.7538	5000
1.397	0.7734	5000

est_theta0	est_theta1	iterations
1.397	0.7933	5000
1.397	0.813	5000
1.397	0.8327	5000
1.397	0.8524	5000
1.397	0.8723	5000
1.397	0.892	5000
1.397	0.9118	5000
1.397	0.9315	5000
1.397	0.9513	5000
1.397	0.9711	5000
1.397	0.9909	5000
1.396	1.01	5000
1.396	1.03	5000
1.396	1.05	5000
1.396	1.07	5000
1.396	1.09	5000
1.396	1.11	5000
1.396	1.129	5000
1.396	1.149	5000
1.396	1.169	5000
1.396	1.188	5000
1.396	1.208	5000
1.396	1.228	5000
1.396	1.248	5000
1.396	1.267	5000
1.396	1.287	5000
1.396	1.307	5000
1.396	1.327	5000
1.396	1.347	5000
1.396	1.366	5000
1.395	1.386	5000
1.395	1.406	5000
1.395	1.426	5000
1.395	1.445	5000
1.395	1.465	5000
1.395	1.485	5000
1.395	1.505	5000
1.395	1.525	5000
1.395	1.544	5000
1.395	1.564	5000
1.395	1.584	5000
1.395	1.604	5000
1.395	1.623	5000
1.395	1.643	5000
1.395	1.663	5000
1.395	1.683	5000
1.395	1.702	5000
1.395	1.722	5000
1.394	1.742	5000
1.394	1.762	5000
1.394	1.781	5000
1.394	1.801	5000

est_theta0	est_theta1	iterations
1.394	1.821	5000
1.394	1.841	5000
1.394	1.86	5000
1.394	1.88	5000
1.394	1.9	5000
1.394	1.92	5000
1.394	1.939	5000
1.394	1.959	5000
1.394	1.979	5000
1.394	1.999	5000
1.419	0.04216	5000
1.419	0.06182	5000
1.419	0.08159	5000
1.419	0.1015	5000
1.419	0.1212	5000
1.419	0.1411	5000
1.419	0.1608	5000
1.419	0.1805	5000
1.419	0.2002	5000
1.419	0.2202	5000
1.419	0.2396	5000
1.419	0.2595	5000
1.419	0.2792	5000
1.419	0.2991	5000
1.419	0.3188	5000
1.419	0.3387	5000
1.418	0.3584	5000
1.418	0.3782	5000
1.418	0.3979	5000
1.418	0.4176	5000
1.418	0.4374	5000
1.418	0.4572	5000
1.418	0.477	5000
1.418	0.4968	5000
1.418	0.5164	5000
1.418	0.5362	5000
1.418	0.556	5000
1.418	0.5758	5000
1.418	0.5956	5000
1.418	0.6153	5000
1.418	0.635	5000
1.418	0.6548	5000
1.418	0.6747	5000
1.418	0.6944	5000
1.418	0.7141	5000
1.417	0.7337	5000
1.417	0.7535	5000
1.417	0.7733	5000
1.417	0.7932	5000
1.417	0.8129	5000
1.417	0.8327	5000
1.417	0.8525	5000

est_theta0	est_theta1	iterations
1.417	0.8722	5000
1.417	0.8921	5000
1.417	0.9118	5000
1.417	0.9315	5000
1.417	0.9512	5000
1.417	0.971	5000
1.417	0.9909	5000
1.417	1.01	5000
1.417	1.03	5000
1.417	1.05	5000
1.417	1.07	5000
1.416	1.09	5000
1.416	1.109	5000
1.416	1.129	5000
1.416	1.149	5000
1.416	1.169	5000
1.416	1.188	5000
1.416	1.208	5000
1.416	1.228	5000
1.416	1.248	5000
1.416	1.267	5000
1.416	1.287	5000
1.416	1.307	5000
1.416	1.327	5000
1.416	1.347	5000
1.416	1.366	5000
1.416	1.386	5000
1.416	1.406	5000
1.416	1.426	5000
1.415	1.445	5000
1.415	1.465	5000
1.415	1.485	5000
1.415	1.505	5000
1.415	1.524	5000
1.415	1.544	5000
1.415	1.564	5000
1.415	1.584	5000
1.415	1.603	5000
1.415	1.623	5000
1.415	1.643	5000
1.415	1.663	5000
1.415	1.682	5000
1.415	1.702	5000
1.415	1.722	5000
1.415	1.742	5000
1.415	1.761	5000
1.415	1.781	5000
1.414	1.801	5000
1.414	1.821	5000
1.414	1.841	5000
1.414	1.86	5000
1.414	1.88	5000

est_theta0	est_theta1	iterations
1.414	1.9	5000
1.414	1.92	5000
1.414	1.939	5000
1.414	1.959	5000
1.414	1.979	5000
1.414	1.999	5000
1.44	0.04219	5000
1.44	0.06187	5000
1.439	0.08159	5000
1.439	0.1015	5000
1.439	0.1212	5000
1.439	0.141	5000
1.439	0.1608	5000
1.439	0.1804	5000
1.439	0.2003	5000
1.439	0.2199	5000
1.439	0.2396	5000
1.439	0.2594	5000
1.439	0.2793	5000
1.439	0.2991	5000
1.439	0.319	5000
1.439	0.3386	5000
1.439	0.3584	5000
1.439	0.3781	5000
1.439	0.3979	5000
1.439	0.4176	5000
1.438	0.4374	5000
1.438	0.457	5000
1.438	0.4769	5000
1.438	0.4967	5000
1.438	0.5165	5000
1.438	0.5362	5000
1.438	0.5559	5000
1.438	0.5758	5000
1.438	0.5956	5000
1.438	0.6152	5000
1.438	0.6349	5000
1.438	0.6548	5000
1.438	0.6745	5000
1.438	0.6943	5000
1.438	0.714	5000
1.438	0.7339	5000
1.438	0.7535	5000
1.438	0.7733	5000
1.437	0.7931	5000
1.437	0.8128	5000
1.437	0.8327	5000
1.437	0.8523	5000
1.437	0.8721	5000
1.437	0.8918	5000
1.437	0.9117	5000
1.437	0.9315	5000

est_theta0	est_theta1	iterations
1.437	0.9513	5000
1.437	0.971	5000
1.437	0.9906	5000
1.437	1.011	5000
1.437	1.03	5000
1.437	1.05	5000
1.437	1.07	5000
1.437	1.089	5000
1.437	1.109	5000
1.437	1.129	5000
1.436	1.149	5000
1.436	1.169	5000
1.436	1.188	5000
1.436	1.208	5000
1.436	1.228	5000
1.436	1.248	5000
1.436	1.267	5000
1.436	1.287	5000
1.436	1.307	5000
1.436	1.327	5000
1.436	1.346	5000
1.436	1.366	5000
1.436	1.386	5000
1.436	1.406	5000
1.436	1.425	5000
1.436	1.445	5000
1.436	1.465	5000
1.436	1.485	5000
1.435	1.504	5000
1.435	1.524	5000
1.435	1.544	5000
1.435	1.564	5000
1.435	1.584	5000
1.435	1.603	5000
1.435	1.623	5000
1.435	1.643	5000
1.435	1.663	5000
1.435	1.682	5000
1.435	1.702	5000
1.435	1.722	5000
1.435	1.742	5000
1.435	1.761	5000
1.435	1.781	5000
1.435	1.801	5000
1.435	1.821	5000
1.435	1.841	5000
1.434	1.86	5000
1.434	1.88	5000
1.434	1.9	5000
1.434	1.92	5000
1.434	1.939	5000
1.434	1.959	5000

est_theta0	est_theta1	iterations
1.434	1.979	5000
1.434	1.999	5000
1.46	0.04207	5000
1.46	0.06177	5000
1.46	0.08164	5000
1.46	0.1012	5000
1.46	0.1211	5000
1.459	0.1409	5000
1.459	0.1607	5000
1.459	0.1804	5000
1.459	0.2002	5000
1.459	0.22	5000
1.459	0.2397	5000
1.459	0.2593	5000
1.459	0.2793	5000
1.459	0.299	5000
1.459	0.3188	5000
1.459	0.3385	5000
1.459	0.3582	5000
1.459	0.378	5000
1.459	0.3979	5000
1.459	0.4175	5000
1.459	0.4373	5000
1.459	0.4569	5000
1.459	0.4769	5000
1.458	0.4965	5000
1.458	0.5164	5000
1.458	0.5361	5000
1.458	0.5559	5000
1.458	0.5758	5000
1.458	0.5954	5000
1.458	0.6152	5000
1.458	0.635	5000
1.458	0.6546	5000
1.458	0.6744	5000
1.458	0.6942	5000
1.458	0.714	5000
1.458	0.7338	5000
1.458	0.7535	5000
1.458	0.7733	5000
1.458	0.793	5000
1.458	0.8128	5000
1.458	0.8326	5000
1.458	0.8523	5000
1.457	0.8721	5000
1.457	0.8919	5000
1.457	0.9115	5000
1.457	0.9313	5000
1.457	0.9512	5000
1.457	0.9708	5000
1.457	0.9907	5000
1.457	1.01	5000

est_theta0	est_theta1	iterations
1.457	1.03	5000
1.457	1.05	5000
1.457	1.07	5000
1.457	1.09	5000
1.457	1.109	5000
1.457	1.129	5000
1.457	1.149	5000
1.457	1.169	5000
1.457	1.188	5000
1.457	1.208	5000
1.456	1.228	5000
1.456	1.248	5000
1.456	1.267	5000
1.456	1.287	5000
1.456	1.307	5000
1.456	1.327	5000
1.456	1.346	5000
1.456	1.366	5000
1.456	1.386	5000
1.456	1.406	5000
1.456	1.425	5000
1.456	1.445	5000
1.456	1.465	5000
1.456	1.485	5000
1.456	1.505	5000
1.456	1.524	5000
1.456	1.544	5000
1.456	1.564	5000
1.455	1.584	5000
1.455	1.603	5000
1.455	1.623	5000
1.455	1.643	5000
1.455	1.663	5000
1.455	1.682	5000
1.455	1.702	5000
1.455	1.722	5000
1.455	1.742	5000
1.455	1.761	5000
1.455	1.781	5000
1.455	1.801	5000
1.455	1.821	5000
1.455	1.84	5000
1.455	1.86	5000
1.455	1.88	5000
1.455	1.9	5000
1.455	1.919	5000
1.454	1.939	5000
1.454	1.959	5000
1.454	1.979	5000
1.454	1.999	5000
1.48	0.0419	5000
1.48	0.06164	5000

est_theta0	est_theta1	iterations
1.48	0.08149	5000
1.48	0.1014	5000
1.48	0.121	5000
1.48	0.1408	5000
1.48	0.1605	5000
1.48	0.1803	5000
1.48	0.2001	5000
1.479	0.2197	5000
1.479	0.2395	5000
1.479	0.2594	5000
1.479	0.2791	5000
1.479	0.2989	5000
1.479	0.3187	5000
1.479	0.3384	5000
1.479	0.3583	5000
1.479	0.3779	5000
1.479	0.3977	5000
1.479	0.4175	5000
1.479	0.4372	5000
1.479	0.4569	5000
1.479	0.4766	5000
1.479	0.4966	5000
1.479	0.5164	5000
1.479	0.5358	5000
1.479	0.5559	5000
1.478	0.5756	5000
1.478	0.5954	5000
1.478	0.6151	5000
1.478	0.6349	5000
1.478	0.6547	5000
1.478	0.6743	5000
1.478	0.6942	5000
1.478	0.7139	5000
1.478	0.7335	5000
1.478	0.7535	5000
1.478	0.7731	5000
1.478	0.7929	5000
1.478	0.8127	5000
1.478	0.8326	5000
1.478	0.8523	5000
1.478	0.8721	5000
1.478	0.8917	5000
1.478	0.9114	5000
1.477	0.9314	5000
1.477	0.9511	5000
1.477	0.9708	5000
1.477	0.9906	5000
1.477	1.01	5000
1.477	1.03	5000
1.477	1.05	5000
1.477	1.07	5000
1.477	1.089	5000

est_theta0	est_theta1	iterations
1.477	1.109	5000
1.477	1.129	5000
1.477	1.149	5000
1.477	1.168	5000
1.477	1.188	5000
1.477	1.208	5000
1.477	1.228	5000
1.477	1.247	5000
1.477	1.267	5000
1.476	1.287	5000
1.476	1.307	5000
1.476	1.326	5000
1.476	1.346	5000
1.476	1.366	5000
1.476	1.386	5000
1.476	1.406	5000
1.476	1.425	5000
1.476	1.445	5000
1.476	1.465	5000
1.476	1.485	5000
1.476	1.505	5000
1.476	1.524	5000
1.476	1.544	5000
1.476	1.564	5000
1.476	1.584	5000
1.476	1.603	5000
1.476	1.623	5000
1.476	1.643	5000
1.475	1.663	5000
1.475	1.682	5000
1.475	1.702	5000
1.475	1.722	5000
1.475	1.742	5000
1.475	1.761	5000
1.475	1.781	5000
1.475	1.801	5000
1.475	1.821	5000
1.475	1.841	5000
1.475	1.86	5000
1.475	1.88	5000
1.475	1.9	5000
1.475	1.919	5000
1.475	1.939	5000
1.475	1.959	5000
1.475	1.979	5000
1.475	1.999	5000
1.5	0.04184	5000
1.5	0.06176	5000
1.5	0.08146	5000
1.5	0.1011	5000
1.5	0.121	5000
1.5	0.1408	5000

est_theta0	est_theta1	iterations
1.5	0.1606	5000
1.5	0.1803	5000
1.5	0.2001	5000
1.5	0.2198	5000
1.5	0.2395	5000
1.5	0.2594	5000
1.499	0.279	5000
1.499	0.2988	5000
1.499	0.3186	5000
1.499	0.3383	5000
1.499	0.3582	5000
1.499	0.3779	5000
1.499	0.3976	5000
1.499	0.4174	5000
1.499	0.4372	5000
1.499	0.4569	5000
1.499	0.4766	5000
1.499	0.4965	5000
1.499	0.5163	5000
1.499	0.5359	5000
1.499	0.5558	5000
1.499	0.5756	5000
1.499	0.5952	5000
1.499	0.615	5000
1.498	0.6347	5000
1.498	0.6546	5000
1.498	0.6743	5000
1.498	0.6941	5000
1.498	0.7138	5000
1.498	0.7336	5000
1.498	0.7534	5000
1.498	0.7731	5000
1.498	0.7928	5000
1.498	0.8127	5000
1.498	0.8324	5000
1.498	0.8521	5000
1.498	0.872	5000
1.498	0.8917	5000
1.498	0.9114	5000
1.498	0.9312	5000
1.498	0.951	5000
1.498	0.9707	5000
1.498	0.9906	5000
1.497	1.01	5000
1.497	1.03	5000
1.497	1.05	5000
1.497	1.07	5000
1.497	1.089	5000
1.497	1.109	5000
1.497	1.129	5000
1.497	1.149	5000
1.497	1.168	5000

est_theta0	est_theta1	iterations
1.497	1.188	5000
1.497	1.208	5000
1.497	1.228	5000
1.497	1.248	5000
1.497	1.267	5000
1.497	1.287	5000
1.497	1.307	5000
1.497	1.327	5000
1.497	1.346	5000
1.496	1.366	5000
1.496	1.386	5000
1.496	1.405	5000
1.496	1.425	5000
1.496	1.445	5000
1.496	1.465	5000
1.496	1.485	5000
1.496	1.504	5000
1.496	1.524	5000
1.496	1.544	5000
1.496	1.564	5000
1.496	1.583	5000
1.496	1.603	5000
1.496	1.623	5000
1.496	1.643	5000
1.496	1.663	5000
1.496	1.682	5000
1.496	1.702	5000
1.495	1.722	5000
1.495	1.741	5000
1.495	1.761	5000
1.495	1.781	5000
1.495	1.801	5000
1.495	1.821	5000
1.495	1.84	5000
1.495	1.86	5000
1.495	1.88	5000
1.495	1.9	5000
1.495	1.919	5000
1.495	1.939	5000
1.495	1.959	5000
1.495	1.979	5000
1.495	1.998	5000
1.52	0.04173	5000
1.52	0.06173	5000
1.52	0.08134	5000
1.52	0.1011	5000
1.52	0.121	5000
1.52	0.1406	5000
1.52	0.1604	5000
1.52	0.1803	5000
1.52	0.1999	5000
1.52	0.2196	5000

est_theta0	est_theta1	iterations
1.52	0.2396	5000
1.52	0.2593	5000
1.52	0.2791	5000
1.52	0.2988	5000
1.52	0.3185	5000
1.52	0.3383	5000
1.519	0.358	5000
1.519	0.3779	5000
1.519	0.3976	5000
1.519	0.4175	5000
1.519	0.4371	5000
1.519	0.4568	5000
1.519	0.4766	5000
1.519	0.4963	5000
1.519	0.5162	5000
1.519	0.5359	5000
1.519	0.5557	5000
1.519	0.5754	5000
1.519	0.5952	5000
1.519	0.615	5000
1.519	0.6347	5000
1.519	0.6545	5000
1.519	0.6743	5000
1.519	0.694	5000
1.518	0.7138	5000
1.518	0.7334	5000
1.518	0.7534	5000
1.518	0.7731	5000
1.518	0.7929	5000
1.518	0.8126	5000
1.518	0.8324	5000
1.518	0.852	5000
1.518	0.8718	5000
1.518	0.8916	5000
1.518	0.9115	5000
1.518	0.9313	5000
1.518	0.9509	5000
1.518	0.9708	5000
1.518	0.9905	5000
1.518	1.01	5000
1.518	1.03	5000
1.518	1.05	5000
1.517	1.07	5000
1.517	1.089	5000
1.517	1.109	5000
1.517	1.129	5000
1.517	1.148	5000
1.517	1.168	5000
1.517	1.188	5000
1.517	1.208	5000
1.517	1.228	5000
1.517	1.247	5000

est_theta0	est_theta1	iterations
1.517	1.267	5000
1.517	1.287	5000
1.517	1.307	5000
1.517	1.326	5000
1.517	1.346	5000
1.517	1.366	5000
1.517	1.386	5000
1.517	1.406	5000
1.517	1.425	5000
1.516	1.445	5000
1.516	1.465	5000
1.516	1.484	5000
1.516	1.504	5000
1.516	1.524	5000
1.516	1.544	5000
1.516	1.564	5000
1.516	1.583	5000
1.516	1.603	5000
1.516	1.623	5000
1.516	1.643	5000
1.516	1.662	5000
1.516	1.682	5000
1.516	1.702	5000
1.516	1.722	5000
1.516	1.741	5000
1.516	1.761	5000
1.515	1.781	5000
1.515	1.801	5000
1.515	1.82	5000
1.515	1.84	5000
1.515	1.86	5000
1.515	1.88	5000
1.515	1.899	5000
1.515	1.919	5000
1.515	1.939	5000
1.515	1.959	5000
1.515	1.979	5000
1.515	1.998	5000
1.541	0.04179	5000
1.54	0.06152	5000
1.54	0.08128	5000
1.54	0.1011	5000
1.54	0.1208	5000
1.54	0.1404	5000
1.54	0.1604	5000
1.54	0.1801	5000
1.54	0.1999	5000
1.54	0.2197	5000
1.54	0.2395	5000
1.54	0.2592	5000
1.54	0.279	5000
1.54	0.2986	5000

est_theta0	est_theta1	iterations
1.54	0.3183	5000
1.54	0.3382	5000
1.54	0.3579	5000
1.54	0.3778	5000
1.54	0.3975	5000
1.539	0.4173	5000
1.539	0.437	5000
1.539	0.4568	5000
1.539	0.4765	5000
1.539	0.4964	5000
1.539	0.5162	5000
1.539	0.5359	5000
1.539	0.5555	5000
1.539	0.5753	5000
1.539	0.5951	5000
1.539	0.6149	5000
1.539	0.6347	5000
1.539	0.6544	5000
1.539	0.6742	5000
1.539	0.6939	5000
1.539	0.7138	5000
1.539	0.7335	5000
1.539	0.7532	5000
1.539	0.7731	5000
1.538	0.7928	5000
1.538	0.8125	5000
1.538	0.8323	5000
1.538	0.8521	5000
1.538	0.8719	5000
1.538	0.8916	5000
1.538	0.9113	5000
1.538	0.9309	5000
1.538	0.9508	5000
1.538	0.9707	5000
1.538	0.9905	5000
1.538	1.01	5000
1.538	1.03	5000
1.538	1.05	5000
1.538	1.069	5000
1.538	1.089	5000
1.538	1.109	5000
1.538	1.129	5000
1.537	1.148	5000
1.537	1.168	5000
1.537	1.188	5000
1.537	1.208	5000
1.537	1.228	5000
1.537	1.247	5000
1.537	1.267	5000
1.537	1.287	5000
1.537	1.307	5000
1.537	1.326	5000

est_theta0	est_theta1	iterations
1.537	1.346	5000
1.537	1.366	5000
1.537	1.386	5000
1.537	1.405	5000
1.537	1.425	5000
1.537	1.445	5000
1.537	1.465	5000
1.537	1.485	5000
1.536	1.504	5000
1.536	1.524	5000
1.536	1.544	5000
1.536	1.564	5000
1.536	1.583	5000
1.536	1.603	5000
1.536	1.623	5000
1.536	1.642	5000
1.536	1.662	5000
1.536	1.682	5000
1.536	1.702	5000
1.536	1.722	5000
1.536	1.741	5000
1.536	1.761	5000
1.536	1.781	5000
1.536	1.801	5000
1.536	1.821	5000
1.536	1.84	5000
1.535	1.86	5000
1.535	1.88	5000
1.535	1.899	5000
1.535	1.919	5000
1.535	1.939	5000
1.535	1.959	5000
1.535	1.979	5000
1.535	1.998	5000
1.561	0.04162	5000
1.561	0.06157	5000
1.561	0.08125	5000
1.561	0.101	5000
1.561	0.1208	5000
1.56	0.1406	5000
1.56	0.1604	5000
1.56	0.18	5000
1.56	0.1998	5000
1.56	0.2195	5000
1.56	0.2395	5000
1.56	0.2591	5000
1.56	0.2788	5000
1.56	0.2986	5000
1.56	0.3184	5000
1.56	0.3381	5000
1.56	0.3579	5000
1.56	0.3777	5000

est_theta0	est_theta1	iterations
1.56	0.3974	5000
1.56	0.4173	5000
1.56	0.437	5000
1.56	0.4567	5000
1.56	0.4766	5000
1.559	0.4962	5000
1.559	0.516	5000
1.559	0.5358	5000
1.559	0.5556	5000
1.559	0.5753	5000
1.559	0.5952	5000
1.559	0.6148	5000
1.559	0.6347	5000
1.559	0.6543	5000
1.559	0.6741	5000
1.559	0.6938	5000
1.559	0.7136	5000
1.559	0.7335	5000
1.559	0.7532	5000
1.559	0.773	5000
1.559	0.7925	5000
1.559	0.8124	5000
1.559	0.8323	5000
1.558	0.852	5000
1.558	0.8716	5000
1.558	0.8915	5000
1.558	0.9113	5000
1.558	0.931	5000
1.558	0.9508	5000
1.558	0.9706	5000
1.558	0.9904	5000
1.558	1.01	5000
1.558	1.03	5000
1.558	1.05	5000
1.558	1.069	5000
1.558	1.089	5000
1.558	1.109	5000
1.558	1.129	5000
1.558	1.148	5000
1.558	1.168	5000
1.558	1.188	5000
1.557	1.208	5000
1.557	1.227	5000
1.557	1.247	5000
1.557	1.267	5000
1.557	1.287	5000
1.557	1.307	5000
1.557	1.326	5000
1.557	1.346	5000
1.557	1.366	5000
1.557	1.386	5000
1.557	1.405	5000

est_theta0	est_theta1	iterations
1.557	1.425	5000
1.557	1.445	5000
1.557	1.465	5000
1.557	1.484	5000
1.557	1.504	5000
1.557	1.524	5000
1.557	1.544	5000
1.557	1.563	5000
1.556	1.583	5000
1.556	1.603	5000
1.556	1.623	5000
1.556	1.642	5000
1.556	1.662	5000
1.556	1.682	5000
1.556	1.702	5000
1.556	1.722	5000
1.556	1.741	5000
1.556	1.761	5000
1.556	1.781	5000
1.556	1.801	5000
1.556	1.82	5000
1.556	1.84	5000
1.556	1.86	5000
1.556	1.88	5000
1.556	1.899	5000
1.556	1.919	5000
1.555	1.939	5000
1.555	1.959	5000
1.555	1.978	5000
1.555	1.998	5000
1.581	0.04161	5000
1.581	0.06151	5000
1.581	0.08122	5000
1.581	0.101	5000
1.581	0.1207	5000
1.581	0.1403	5000
1.581	0.1603	5000
1.581	0.1799	5000
1.58	0.1998	5000
1.58	0.2196	5000
1.58	0.2393	5000
1.58	0.259	5000
1.58	0.2788	5000
1.58	0.2985	5000
1.58	0.3183	5000
1.58	0.338	5000
1.58	0.3579	5000
1.58	0.3776	5000
1.58	0.3973	5000
1.58	0.417	5000
1.58	0.4369	5000
1.58	0.4568	5000

est_theta0	est_theta1	iterations
1.58	0.4764	5000
1.58	0.4961	5000
1.58	0.516	5000
1.58	0.5358	5000
1.579	0.5554	5000
1.579	0.5751	5000
1.579	0.595	5000
1.579	0.6147	5000
1.579	0.6345	5000
1.579	0.6543	5000
1.579	0.674	5000
1.579	0.6939	5000
1.579	0.7135	5000
1.579	0.7334	5000
1.579	0.7531	5000
1.579	0.7729	5000
1.579	0.7926	5000
1.579	0.8124	5000
1.579	0.8323	5000
1.579	0.852	5000
1.579	0.8717	5000
1.579	0.8915	5000
1.578	0.9111	5000
1.578	0.931	5000
1.578	0.9507	5000
1.578	0.9705	5000
1.578	0.9902	5000
1.578	1.01	5000
1.578	1.03	5000
1.578	1.049	5000
1.578	1.069	5000
1.578	1.089	5000
1.578	1.109	5000
1.578	1.128	5000
1.578	1.148	5000
1.578	1.168	5000
1.578	1.188	5000
1.578	1.208	5000
1.578	1.227	5000
1.578	1.247	5000
1.578	1.267	5000
1.577	1.287	5000
1.577	1.306	5000
1.577	1.326	5000
1.577	1.346	5000
1.577	1.366	5000
1.577	1.386	5000
1.577	1.405	5000
1.577	1.425	5000
1.577	1.445	5000
1.577	1.465	5000
1.577	1.484	5000

est_theta0	est_theta1	iterations
1.577	1.504	5000
1.577	1.524	5000
1.577	1.544	5000
1.577	1.563	5000
1.577	1.583	5000
1.577	1.603	5000
1.577	1.623	5000
1.576	1.642	5000
1.576	1.662	5000
1.576	1.682	5000
1.576	1.702	5000
1.576	1.721	5000
1.576	1.741	5000
1.576	1.761	5000
1.576	1.781	5000
1.576	1.801	5000
1.576	1.82	5000
1.576	1.84	5000
1.576	1.86	5000
1.576	1.88	5000
1.576	1.899	5000
1.576	1.919	5000
1.576	1.939	5000
1.576	1.959	5000
1.576	1.979	5000
1.575	1.998	5000
1.601	0.0417	5000
1.601	0.06129	5000
1.601	0.08112	5000
1.601	0.1009	5000
1.601	0.1207	5000
1.601	0.1405	5000
1.601	0.1602	5000
1.601	0.1799	5000
1.601	0.1997	5000
1.601	0.2193	5000
1.601	0.2393	5000
1.601	0.259	5000
1.6	0.2787	5000
1.6	0.2984	5000
1.6	0.3182	5000
1.6	0.338	5000
1.6	0.3579	5000
1.6	0.3776	5000
1.6	0.3974	5000
1.6	0.4172	5000
1.6	0.4368	5000
1.6	0.4567	5000
1.6	0.4763	5000
1.6	0.496	5000
1.6	0.5159	5000
1.6	0.5357	5000

est_theta0	est_theta1	iterations
1.6	0.5554	5000
1.6	0.5752	5000
1.6	0.5951	5000
1.6	0.6148	5000
1.599	0.6344	5000
1.599	0.6543	5000
1.599	0.674	5000
1.599	0.6936	5000
1.599	0.7136	5000
1.599	0.7333	5000
1.599	0.7532	5000
1.599	0.7728	5000
1.599	0.7926	5000
1.599	0.8123	5000
1.599	0.832	5000
1.599	0.8517	5000
1.599	0.8716	5000
1.599	0.8914	5000
1.599	0.9111	5000
1.599	0.9308	5000
1.599	0.9506	5000
1.599	0.9705	5000
1.598	0.99	5000
1.598	1.01	5000
1.598	1.03	5000
1.598	1.049	5000
1.598	1.069	5000
1.598	1.089	5000
1.598	1.109	5000
1.598	1.129	5000
1.598	1.148	5000
1.598	1.168	5000
1.598	1.188	5000
1.598	1.208	5000
1.598	1.227	5000
1.598	1.247	5000
1.598	1.267	5000
1.598	1.287	5000
1.598	1.307	5000
1.598	1.326	5000
1.597	1.346	5000
1.597	1.366	5000
1.597	1.385	5000
1.597	1.405	5000
1.597	1.425	5000
1.597	1.445	5000
1.597	1.465	5000
1.597	1.484	5000
1.597	1.504	5000
1.597	1.524	5000
1.597	1.543	5000
1.597	1.563	5000

est_theta0	est_theta1	iterations
1.597	1.583	5000
1.597	1.603	5000
1.597	1.623	5000
1.597	1.642	5000
1.597	1.662	5000
1.597	1.682	5000
1.596	1.702	5000
1.596	1.721	5000
1.596	1.741	5000
1.596	1.761	5000
1.596	1.781	5000
1.596	1.8	5000
1.596	1.82	5000
1.596	1.84	5000
1.596	1.86	5000
1.596	1.879	5000
1.596	1.899	5000
1.596	1.919	5000
1.596	1.939	5000
1.596	1.959	5000
1.596	1.978	5000
1.596	1.998	5000
1.621	0.04169	5000
1.621	0.06127	5000
1.621	0.081	5000
1.621	0.1009	5000
1.621	0.1206	5000
1.621	0.1403	5000
1.621	0.16	5000
1.621	0.18	5000
1.621	0.1996	5000
1.621	0.2194	5000
1.621	0.2391	5000
1.621	0.2589	5000
1.621	0.2787	5000
1.621	0.2985	5000
1.621	0.3183	5000
1.62	0.338	5000
1.62	0.3577	5000
1.62	0.3774	5000
1.62	0.3973	5000
1.62	0.4169	5000
1.62	0.4368	5000
1.62	0.4565	5000
1.62	0.4763	5000
1.62	0.4961	5000
1.62	0.5158	5000
1.62	0.5356	5000
1.62	0.5553	5000
1.62	0.5751	5000
1.62	0.5949	5000
1.62	0.6146	5000

est_theta0	est_theta1	iterations
1.62	0.6344	5000
1.62	0.6541	5000
1.62	0.6739	5000
1.619	0.6937	5000
1.619	0.7135	5000
1.619	0.7332	5000
1.619	0.7529	5000
1.619	0.7728	5000
1.619	0.7925	5000
1.619	0.8123	5000
1.619	0.832	5000
1.619	0.8518	5000
1.619	0.8716	5000
1.619	0.8913	5000
1.619	0.9111	5000
1.619	0.9308	5000
1.619	0.9506	5000
1.619	0.9704	5000
1.619	0.9901	5000
1.619	1.01	5000
1.619	1.03	5000
1.618	1.049	5000
1.618	1.069	5000
1.618	1.089	5000
1.618	1.109	5000
1.618	1.128	5000
1.618	1.148	5000
1.618	1.168	5000
1.618	1.188	5000
1.618	1.208	5000
1.618	1.227	5000
1.618	1.247	5000
1.618	1.267	5000
1.618	1.287	5000
1.618	1.307	5000
1.618	1.326	5000
1.618	1.346	5000
1.618	1.366	5000
1.618	1.385	5000
1.618	1.405	5000
1.617	1.425	5000
1.617	1.445	5000
1.617	1.464	5000
1.617	1.484	5000
1.617	1.504	5000
1.617	1.524	5000
1.617	1.543	5000
1.617	1.563	5000
1.617	1.583	5000
1.617	1.603	5000
1.617	1.623	5000
1.617	1.642	5000

est_theta0	est_theta1	iterations
1.617	1.662	5000
1.617	1.682	5000
1.617	1.702	5000
1.617	1.721	5000
1.617	1.741	5000
1.617	1.761	5000
1.616	1.781	5000
1.616	1.8	5000
1.616	1.82	5000
1.616	1.84	5000
1.616	1.86	5000
1.616	1.879	5000
1.616	1.899	5000
1.616	1.919	5000
1.616	1.939	5000
1.616	1.959	5000
1.616	1.978	5000
1.616	1.998	5000
1.642	0.04158	5000
1.641	0.06134	5000
1.641	0.08109	5000
1.641	0.1007	5000
1.641	0.1206	5000
1.641	0.1403	5000
1.641	0.1599	5000
1.641	0.1798	5000
1.641	0.1996	5000
1.641	0.2193	5000
1.641	0.239	5000
1.641	0.2589	5000
1.641	0.2785	5000
1.641	0.2984	5000
1.641	0.3181	5000
1.641	0.3379	5000
1.641	0.3575	5000
1.641	0.3774	5000
1.64	0.3972	5000
1.64	0.4169	5000
1.64	0.4367	5000
1.64	0.4565	5000
1.64	0.4762	5000
1.64	0.4961	5000
1.64	0.5158	5000
1.64	0.5355	5000
1.64	0.5554	5000
1.64	0.5751	5000
1.64	0.5948	5000
1.64	0.6147	5000
1.64	0.6343	5000
1.64	0.654	5000
1.64	0.6739	5000
1.64	0.6936	5000

est_theta0	est_theta1	iterations
1.64	0.7133	5000
1.64	0.7331	5000
1.64	0.7529	5000
1.639	0.7726	5000
1.639	0.7925	5000
1.639	0.8122	5000
1.639	0.832	5000
1.639	0.8517	5000
1.639	0.8715	5000
1.639	0.8914	5000
1.639	0.9111	5000
1.639	0.9308	5000
1.639	0.9505	5000
1.639	0.9703	5000
1.639	0.9901	5000
1.639	1.01	5000
1.639	1.03	5000
1.639	1.049	5000
1.639	1.069	5000
1.639	1.089	5000
1.639	1.109	5000
1.638	1.128	5000
1.638	1.148	5000
1.638	1.168	5000
1.638	1.188	5000
1.638	1.207	5000
1.638	1.227	5000
1.638	1.247	5000
1.638	1.267	5000
1.638	1.287	5000
1.638	1.306	5000
1.638	1.326	5000
1.638	1.346	5000
1.638	1.365	5000
1.638	1.385	5000
1.638	1.405	5000
1.638	1.425	5000
1.638	1.445	5000
1.638	1.464	5000
1.637	1.484	5000
1.637	1.504	5000
1.637	1.524	5000
1.637	1.543	5000
1.637	1.563	5000
1.637	1.583	5000
1.637	1.603	5000
1.637	1.622	5000
1.637	1.642	5000
1.637	1.662	5000
1.637	1.682	5000
1.637	1.702	5000
1.637	1.721	5000

est_theta0	est_theta1	iterations
1.637	1.741	5000
1.637	1.761	5000
1.637	1.781	5000
1.637	1.8	5000
1.637	1.82	5000
1.636	1.84	5000
1.636	1.86	5000
1.636	1.879	5000
1.636	1.899	5000
1.636	1.919	5000
1.636	1.939	5000
1.636	1.958	5000
1.636	1.978	5000
1.636	1.998	5000
1.662	0.04137	5000
1.662	0.06123	5000
1.662	0.08101	5000
1.662	0.1007	5000
1.661	0.1205	5000
1.661	0.1403	5000
1.661	0.1601	5000
1.661	0.1796	5000
1.661	0.1994	5000
1.661	0.2193	5000
1.661	0.2389	5000
1.661	0.2588	5000
1.661	0.2785	5000
1.661	0.2983	5000
1.661	0.3182	5000
1.661	0.3378	5000
1.661	0.3576	5000
1.661	0.3773	5000
1.661	0.3972	5000
1.661	0.417	5000
1.661	0.4366	5000
1.661	0.4564	5000
1.66	0.4761	5000
1.66	0.4959	5000
1.66	0.5156	5000
1.66	0.5354	5000
1.66	0.5552	5000
1.66	0.575	5000
1.66	0.5947	5000
1.66	0.6144	5000
1.66	0.6343	5000
1.66	0.6541	5000
1.66	0.6737	5000
1.66	0.6936	5000
1.66	0.7134	5000
1.66	0.7332	5000
1.66	0.7529	5000
1.66	0.7726	5000

est_theta0	est_theta1	iterations
1.66	0.7923	5000
1.66	0.8122	5000
1.659	0.8318	5000
1.659	0.8516	5000
1.659	0.8716	5000
1.659	0.8912	5000
1.659	0.911	5000
1.659	0.9307	5000
1.659	0.9505	5000
1.659	0.9701	5000
1.659	0.99	5000
1.659	1.01	5000
1.659	1.03	5000
1.659	1.049	5000
1.659	1.069	5000
1.659	1.089	5000
1.659	1.109	5000
1.659	1.128	5000
1.659	1.148	5000
1.659	1.168	5000
1.658	1.188	5000
1.658	1.207	5000
1.658	1.227	5000
1.658	1.247	5000
1.658	1.267	5000
1.658	1.286	5000
1.658	1.306	5000
1.658	1.326	5000
1.658	1.346	5000
1.658	1.365	5000
1.658	1.385	5000
1.658	1.405	5000
1.658	1.425	5000
1.658	1.445	5000
1.658	1.464	5000
1.658	1.484	5000
1.658	1.504	5000
1.658	1.524	5000
1.658	1.543	5000
1.657	1.563	5000
1.657	1.583	5000
1.657	1.603	5000
1.657	1.622	5000
1.657	1.642	5000
1.657	1.662	5000
1.657	1.682	5000
1.657	1.702	5000
1.657	1.721	5000
1.657	1.741	5000
1.657	1.761	5000
1.657	1.78	5000
1.657	1.8	5000

est_theta0	est_theta1	iterations
1.657	1.82	5000
1.657	1.84	5000
1.657	1.86	5000
1.657	1.879	5000
1.657	1.899	5000
1.656	1.919	5000
1.656	1.939	5000
1.656	1.958	5000
1.656	1.978	5000
1.656	1.998	5000
1.682	0.04114	5000
1.682	0.06111	5000
1.682	0.08088	5000
1.682	0.1005	5000
1.682	0.1204	5000
1.682	0.1401	5000
1.682	0.1599	5000
1.681	0.1797	5000
1.681	0.1994	5000
1.681	0.2192	5000
1.681	0.2388	5000
1.681	0.2587	5000
1.681	0.2785	5000
1.681	0.2983	5000
1.681	0.318	5000
1.681	0.3378	5000
1.681	0.3576	5000
1.681	0.3772	5000
1.681	0.397	5000
1.681	0.4168	5000
1.681	0.4367	5000
1.681	0.4564	5000
1.681	0.4762	5000
1.681	0.4959	5000
1.681	0.5157	5000
1.68	0.5354	5000
1.68	0.5551	5000
1.68	0.5748	5000
1.68	0.5948	5000
1.68	0.6144	5000
1.68	0.6343	5000
1.68	0.654	5000
1.68	0.6737	5000
1.68	0.6936	5000
1.68	0.7132	5000
1.68	0.733	5000
1.68	0.7528	5000
1.68	0.7726	5000
1.68	0.7924	5000
1.68	0.8121	5000
1.68	0.8319	5000
1.68	0.8517	5000

est_theta0	est_theta1	iterations
1.68	0.8715	5000
1.679	0.891	5000
1.679	0.9109	5000
1.679	0.9306	5000
1.679	0.9506	5000
1.679	0.9702	5000
1.679	0.9899	5000
1.679	1.01	5000
1.679	1.029	5000
1.679	1.049	5000
1.679	1.069	5000
1.679	1.089	5000
1.679	1.108	5000
1.679	1.128	5000
1.679	1.148	5000
1.679	1.168	5000
1.679	1.188	5000
1.679	1.207	5000
1.679	1.227	5000
1.679	1.247	5000
1.678	1.267	5000
1.678	1.286	5000
1.678	1.306	5000
1.678	1.326	5000
1.678	1.346	5000
1.678	1.365	5000
1.678	1.385	5000
1.678	1.405	5000
1.678	1.425	5000
1.678	1.445	5000
1.678	1.464	5000
1.678	1.484	5000
1.678	1.504	5000
1.678	1.524	5000
1.678	1.543	5000
1.678	1.563	5000
1.678	1.583	5000
1.678	1.603	5000
1.677	1.622	5000
1.677	1.642	5000
1.677	1.662	5000
1.677	1.682	5000
1.677	1.701	5000
1.677	1.721	5000
1.677	1.741	5000
1.677	1.761	5000
1.677	1.78	5000
1.677	1.8	5000
1.677	1.82	5000
1.677	1.84	5000
1.677	1.859	5000
1.677	1.879	5000

est_theta0	est_theta1	iterations
1.677	1.899	5000
1.677	1.919	5000
1.677	1.939	5000
1.677	1.958	5000
1.676	1.978	5000
1.676	1.998	5000
1.702	0.04126	5000
1.702	0.06108	5000
1.702	0.08083	5000
1.702	0.1006	5000
1.702	0.1204	5000
1.702	0.1401	5000
1.702	0.1597	5000
1.702	0.1797	5000
1.702	0.1994	5000
1.702	0.2191	5000
1.702	0.239	5000
1.701	0.2586	5000
1.701	0.2783	5000
1.701	0.2981	5000
1.701	0.318	5000
1.701	0.3378	5000
1.701	0.3576	5000
1.701	0.3773	5000
1.701	0.397	5000
1.701	0.4168	5000
1.701	0.4366	5000
1.701	0.4563	5000
1.701	0.476	5000
1.701	0.4958	5000
1.701	0.5156	5000
1.701	0.5353	5000
1.701	0.5552	5000
1.701	0.5749	5000
1.701	0.5946	5000
1.7	0.6145	5000
1.7	0.634	5000
1.7	0.6539	5000
1.7	0.6737	5000
1.7	0.6934	5000
1.7	0.7133	5000
1.7	0.7331	5000
1.7	0.7527	5000
1.7	0.7726	5000
1.7	0.7921	5000
1.7	0.8121	5000
1.7	0.8318	5000
1.7	0.8516	5000
1.7	0.8712	5000
1.7	0.8911	5000
1.7	0.9108	5000
1.7	0.9307	5000

est_theta0	est_theta1	iterations
1.7	0.9502	5000
1.699	0.9701	5000
1.699	0.99	5000
1.699	1.01	5000
1.699	1.029	5000
1.699	1.049	5000
1.699	1.069	5000
1.699	1.089	5000
1.699	1.109	5000
1.699	1.128	5000
1.699	1.148	5000
1.699	1.168	5000
1.699	1.187	5000
1.699	1.207	5000
1.699	1.227	5000
1.699	1.247	5000
1.699	1.267	5000
1.699	1.286	5000
1.699	1.306	5000
1.698	1.326	5000
1.698	1.346	5000
1.698	1.365	5000
1.698	1.385	5000
1.698	1.405	5000
1.698	1.425	5000
1.698	1.444	5000
1.698	1.464	5000
1.698	1.484	5000
1.698	1.504	5000
1.698	1.523	5000
1.698	1.543	5000
1.698	1.563	5000
1.698	1.583	5000
1.698	1.603	5000
1.698	1.622	5000
1.698	1.642	5000
1.698	1.662	5000
1.697	1.681	5000
1.697	1.701	5000
1.697	1.721	5000
1.697	1.741	5000
1.697	1.761	5000
1.697	1.78	5000
1.697	1.8	5000
1.697	1.82	5000
1.697	1.84	5000
1.697	1.859	5000
1.697	1.879	5000
1.697	1.899	5000
1.697	1.919	5000
1.697	1.938	5000
1.697	1.958	5000

est_theta0	est_theta1	iterations
1.697	1.978	5000
1.697	1.998	5000
1.722	0.04121	5000
1.722	0.06102	5000
1.722	0.08072	5000
1.722	0.1005	5000
1.722	0.1203	5000
1.722	0.14	5000
1.722	0.1597	5000
1.722	0.1796	5000
1.722	0.1993	5000
1.722	0.2191	5000
1.722	0.2388	5000
1.722	0.2586	5000
1.722	0.2781	5000
1.722	0.2981	5000
1.721	0.3179	5000
1.721	0.3376	5000
1.721	0.3575	5000
1.721	0.3772	5000
1.721	0.3971	5000
1.721	0.4166	5000
1.721	0.4363	5000
1.721	0.4563	5000
1.721	0.4759	5000
1.721	0.4956	5000
1.721	0.5154	5000
1.721	0.5353	5000
1.721	0.555	5000
1.721	0.5746	5000
1.721	0.5945	5000
1.721	0.6143	5000
1.721	0.6341	5000
1.721	0.6538	5000
1.72	0.6736	5000
1.72	0.6934	5000
1.72	0.713	5000
1.72	0.7329	5000
1.72	0.7526	5000
1.72	0.7725	5000
1.72	0.7922	5000
1.72	0.8119	5000
1.72	0.8316	5000
1.72	0.8514	5000
1.72	0.8712	5000
1.72	0.8909	5000
1.72	0.9107	5000
1.72	0.9306	5000
1.72	0.9503	5000
1.72	0.9701	5000
1.72	0.9898	5000
1.72	1.01	5000

est_theta0	est_theta1	iterations
1.719	1.029	5000
1.719	1.049	5000
1.719	1.069	5000
1.719	1.089	5000
1.719	1.109	5000
1.719	1.128	5000
1.719	1.148	5000
1.719	1.168	5000
1.719	1.187	5000
1.719	1.207	5000
1.719	1.227	5000
1.719	1.247	5000
1.719	1.266	5000
1.719	1.286	5000
1.719	1.306	5000
1.719	1.326	5000
1.719	1.346	5000
1.719	1.365	5000
1.719	1.385	5000
1.718	1.405	5000
1.718	1.425	5000
1.718	1.444	5000
1.718	1.464	5000
1.718	1.484	5000
1.718	1.504	5000
1.718	1.523	5000
1.718	1.543	5000
1.718	1.563	5000
1.718	1.583	5000
1.718	1.602	5000
1.718	1.622	5000
1.718	1.642	5000
1.718	1.662	5000
1.718	1.682	5000
1.718	1.701	5000
1.718	1.721	5000
1.718	1.741	5000
1.717	1.761	5000
1.717	1.78	5000
1.717	1.8	5000
1.717	1.82	5000
1.717	1.84	5000
1.717	1.859	5000
1.717	1.879	5000
1.717	1.899	5000
1.717	1.919	5000
1.717	1.938	5000
1.717	1.958	5000
1.717	1.978	5000
1.717	1.998	5000
1.742	0.04111	5000
1.742	0.06088	5000

est_theta0	est_theta1	iterations
1.742	0.0806	5000
1.742	0.1003	5000
1.742	0.1202	5000
1.742	0.1399	5000
1.742	0.1596	5000
1.742	0.1794	5000
1.742	0.1993	5000
1.742	0.219	5000
1.742	0.2387	5000
1.742	0.2587	5000
1.742	0.2783	5000
1.742	0.298	5000
1.742	0.3177	5000
1.742	0.3376	5000
1.742	0.3574	5000
1.742	0.3771	5000
1.741	0.3969	5000
1.741	0.4166	5000
1.741	0.4364	5000
1.741	0.4561	5000
1.741	0.476	5000
1.741	0.4957	5000
1.741	0.5156	5000
1.741	0.5352	5000
1.741	0.5549	5000
1.741	0.5747	5000
1.741	0.5944	5000
1.741	0.6142	5000
1.741	0.634	5000
1.741	0.6538	5000
1.741	0.6736	5000
1.741	0.6933	5000
1.741	0.7129	5000
1.741	0.7329	5000
1.74	0.7525	5000
1.74	0.7723	5000
1.74	0.792	5000
1.74	0.8119	5000
1.74	0.8316	5000
1.74	0.8514	5000
1.74	0.8712	5000
1.74	0.891	5000
1.74	0.9109	5000
1.74	0.9304	5000
1.74	0.9501	5000
1.74	0.9699	5000
1.74	0.9898	5000
1.74	1.01	5000
1.74	1.029	5000
1.74	1.049	5000
1.74	1.069	5000
1.74	1.088	5000

est_theta0	est_theta1	iterations
1.739	1.108	5000
1.739	1.128	5000
1.739	1.148	5000
1.739	1.168	5000
1.739	1.187	5000
1.739	1.207	5000
1.739	1.227	5000
1.739	1.247	5000
1.739	1.266	5000
1.739	1.286	5000
1.739	1.306	5000
1.739	1.326	5000
1.739	1.345	5000
1.739	1.365	5000
1.739	1.385	5000
1.739	1.405	5000
1.739	1.425	5000
1.739	1.444	5000
1.738	1.464	5000
1.738	1.484	5000
1.738	1.504	5000
1.738	1.523	5000
1.738	1.543	5000
1.738	1.563	5000
1.738	1.583	5000
1.738	1.602	5000
1.738	1.622	5000
1.738	1.642	5000
1.738	1.662	5000
1.738	1.682	5000
1.738	1.701	5000
1.738	1.721	5000
1.738	1.741	5000
1.738	1.761	5000
1.738	1.78	5000
1.738	1.8	5000
1.738	1.82	5000
1.737	1.84	5000
1.737	1.859	5000
1.737	1.879	5000
1.737	1.899	5000
1.737	1.919	5000
1.737	1.938	5000
1.737	1.958	5000
1.737	1.978	5000
1.737	1.998	5000
1.763	0.04124	5000
1.763	0.06096	5000
1.763	0.08057	5000
1.762	0.1003	5000
1.762	0.12	5000
1.762	0.14	5000

est_theta0	est_theta1	iterations
1.762	0.1595	5000
1.762	0.1794	5000
1.762	0.1991	5000
1.762	0.2189	5000
1.762	0.2387	5000
1.762	0.2585	5000
1.762	0.2782	5000
1.762	0.2981	5000
1.762	0.3177	5000
1.762	0.3376	5000
1.762	0.3573	5000
1.762	0.3771	5000
1.762	0.3968	5000
1.762	0.4165	5000
1.762	0.4363	5000
1.761	0.456	5000
1.761	0.4759	5000
1.761	0.4956	5000
1.761	0.5153	5000
1.761	0.5351	5000
1.761	0.555	5000
1.761	0.5748	5000
1.761	0.5944	5000
1.761	0.6143	5000
1.761	0.6341	5000
1.761	0.6538	5000
1.761	0.6735	5000
1.761	0.6932	5000
1.761	0.7131	5000
1.761	0.7327	5000
1.761	0.7524	5000
1.761	0.7723	5000
1.761	0.7921	5000
1.76	0.8118	5000
1.76	0.8316	5000
1.76	0.8513	5000
1.76	0.8711	5000
1.76	0.8909	5000
1.76	0.9107	5000
1.76	0.9303	5000
1.76	0.9502	5000
1.76	0.9698	5000
1.76	0.9898	5000
1.76	1.01	5000
1.76	1.029	5000
1.76	1.049	5000
1.76	1.069	5000
1.76	1.088	5000
1.76	1.108	5000
1.76	1.128	5000
1.76	1.148	5000
1.76	1.167	5000

est_theta0	est_theta1	iterations
1.759	1.187	5000
1.759	1.207	5000
1.759	1.227	5000
1.759	1.247	5000
1.759	1.266	5000
1.759	1.286	5000
1.759	1.306	5000
1.759	1.326	5000
1.759	1.345	5000
1.759	1.365	5000
1.759	1.385	5000
1.759	1.405	5000
1.759	1.424	5000
1.759	1.444	5000
1.759	1.464	5000
1.759	1.484	5000
1.759	1.504	5000
1.759	1.523	5000
1.758	1.543	5000
1.758	1.563	5000
1.758	1.583	5000
1.758	1.602	5000
1.758	1.622	5000
1.758	1.642	5000
1.758	1.662	5000
1.758	1.681	5000
1.758	1.701	5000
1.758	1.721	5000
1.758	1.741	5000
1.758	1.76	5000
1.758	1.78	5000
1.758	1.8	5000
1.758	1.82	5000
1.758	1.84	5000
1.758	1.859	5000
1.758	1.879	5000
1.757	1.899	5000
1.757	1.919	5000
1.757	1.938	5000
1.757	1.958	5000
1.757	1.978	5000
1.757	1.998	5000
1.783	0.04095	5000
1.783	0.06081	5000
1.783	0.08047	5000
1.783	0.1003	5000
1.783	0.12	5000
1.783	0.1399	5000
1.783	0.1596	5000
1.782	0.1793	5000
1.782	0.1992	5000
1.782	0.2188	5000

est_theta0	est_theta1	iterations
1.782	0.2386	5000
1.782	0.2583	5000
1.782	0.2781	5000
1.782	0.2978	5000
1.782	0.3177	5000
1.782	0.3374	5000
1.782	0.3573	5000
1.782	0.3769	5000
1.782	0.3967	5000
1.782	0.4165	5000
1.782	0.4363	5000
1.782	0.456	5000
1.782	0.4756	5000
1.782	0.4955	5000
1.782	0.5153	5000
1.781	0.535	5000
1.781	0.5548	5000
1.781	0.5746	5000
1.781	0.5943	5000
1.781	0.6141	5000
1.781	0.6338	5000
1.781	0.6537	5000
1.781	0.6734	5000
1.781	0.6932	5000
1.781	0.7129	5000
1.781	0.7327	5000
1.781	0.7524	5000
1.781	0.7722	5000
1.781	0.7921	5000
1.781	0.8118	5000
1.781	0.8316	5000
1.781	0.8513	5000
1.781	0.871	5000
1.78	0.8907	5000
1.78	0.9106	5000
1.78	0.9304	5000
1.78	0.9501	5000
1.78	0.9698	5000
1.78	0.9897	5000
1.78	1.009	5000
1.78	1.029	5000
1.78	1.049	5000
1.78	1.069	5000
1.78	1.088	5000
1.78	1.108	5000
1.78	1.128	5000
1.78	1.148	5000
1.78	1.168	5000
1.78	1.187	5000
1.78	1.207	5000
1.78	1.227	5000
1.779	1.246	5000

est_theta0	est_theta1	iterations
1.779	1.266	5000
1.779	1.286	5000
1.779	1.306	5000
1.779	1.326	5000
1.779	1.345	5000
1.779	1.365	5000
1.779	1.385	5000
1.779	1.405	5000
1.779	1.424	5000
1.779	1.444	5000
1.779	1.464	5000
1.779	1.484	5000
1.779	1.503	5000
1.779	1.523	5000
1.779	1.543	5000
1.779	1.563	5000
1.779	1.583	5000
1.778	1.602	5000
1.778	1.622	5000
1.778	1.642	5000
1.778	1.662	5000
1.778	1.681	5000
1.778	1.701	5000
1.778	1.721	5000
1.778	1.74	5000
1.778	1.76	5000
1.778	1.78	5000
1.778	1.8	5000
1.778	1.82	5000
1.778	1.839	5000
1.778	1.859	4676
1.778	1.879	5000
1.778	1.899	5000
1.778	1.918	5000
1.778	1.938	5000
1.778	1.958	5000
1.777	1.978	5000
1.777	1.997	5000
1.803	0.04091	5000
1.803	0.06069	5000
1.803	0.08052	5000
1.803	0.1003	5000
1.803	0.1199	5000
1.803	0.1398	5000
1.803	0.1595	5000
1.803	0.1793	5000
1.803	0.199	5000
1.803	0.2189	5000
1.802	0.2386	5000
1.802	0.2584	5000
1.802	0.278	5000
1.802	0.2979	5000

est_theta0	est_theta1	iterations
1.802	0.3178	5000
1.802	0.3373	5000
1.802	0.3572	5000
1.802	0.3769	5000
1.802	0.3967	5000
1.802	0.4165	5000
1.802	0.4362	5000
1.802	0.456	5000
1.802	0.4757	5000
1.802	0.4954	5000
1.802	0.5153	5000
1.802	0.5349	5000
1.802	0.5548	5000
1.802	0.5745	5000
1.801	0.5942	5000
1.801	0.614	5000
1.801	0.6336	5000
1.801	0.6536	5000
1.801	0.6733	5000
1.801	0.6931	5000
1.801	0.7128	5000
1.801	0.7326	5000
1.801	0.7524	5000
1.801	0.7722	5000
1.801	0.7919	5000
1.801	0.8116	5000
1.801	0.8315	5000
1.801	0.8511	5000
1.801	0.8709	5000
1.801	0.8907	5000
1.801	0.9105	5000
1.801	0.9302	5000
1.8	0.95	5000
1.8	0.9698	5000
1.8	0.9896	5000
1.8	1.009	5000
1.8	1.029	5000
1.8	1.049	5000
1.8	1.069	5000
1.8	1.088	5000
1.8	1.108	5000
1.8	1.128	5000
1.8	1.148	5000
1.8	1.167	5000
1.8	1.187	5000
1.8	1.207	5000
1.8	1.227	5000
1.8	1.246	5000
1.8	1.266	5000
1.8	1.286	5000
1.8	1.306	5000
1.799	1.326	5000

est_theta0	est_theta1	iterations
1.799	1.345	5000
1.799	1.365	5000
1.799	1.385	5000
1.799	1.405	5000
1.799	1.424	5000
1.799	1.444	5000
1.799	1.464	5000
1.799	1.483	5000
1.799	1.503	5000
1.799	1.523	5000
1.799	1.543	5000
1.799	1.563	5000
1.799	1.582	5000
1.799	1.602	5000
1.799	1.622	5000
1.799	1.642	5000
1.799	1.661	5000
1.798	1.681	5000
1.798	1.701	5000
1.798	1.721	5000
1.798	1.741	5000
1.798	1.76	5000
1.798	1.78	5000
1.798	1.8	5000
1.798	1.82	5000
1.798	1.839	5000
1.798	1.859	5000
1.798	1.879	5000
1.798	1.899	5000
1.798	1.918	5000
1.798	1.938	5000
1.798	1.958	5000
1.798	1.978	5000
1.798	1.997	5000
1.823	0.04079	5000
1.823	0.06066	5000
1.823	0.08036	5000
1.823	0.1002	5000
1.823	0.1199	5000
1.823	0.1396	5000
1.823	0.1595	5000
1.823	0.1792	5000
1.823	0.1989	5000
1.823	0.2188	5000
1.823	0.2384	5000
1.823	0.2583	5000
1.823	0.2779	5000
1.823	0.2979	5000
1.822	0.3176	5000
1.822	0.3372	5000
1.822	0.3571	5000
1.822	0.3768	5000

est_theta0	est_theta1	iterations
1.822	0.3965	5000
1.822	0.4163	5000
1.822	0.4361	5000
1.822	0.4558	5000
1.822	0.4757	5000
1.822	0.4954	5000
1.822	0.5152	5000
1.822	0.5349	5000
1.822	0.5547	5000
1.822	0.5745	5000
1.822	0.5943	5000
1.822	0.6139	5000
1.822	0.6339	5000
1.822	0.6534	5000
1.821	0.6733	5000
1.821	0.693	5000
1.821	0.7129	5000
1.821	0.7325	5000
1.821	0.7523	5000
1.821	0.7722	5000
1.821	0.7918	5000
1.821	0.8116	5000
1.821	0.8314	5000
1.821	0.8511	5000
1.821	0.8709	5000
1.821	0.8907	5000
1.821	0.9104	5000
1.821	0.9303	5000
1.821	0.95	5000
1.821	0.9699	5000
1.821	0.9895	5000
1.821	1.009	5000
1.82	1.029	5000
1.82	1.049	5000
1.82	1.068	5000
1.82	1.088	5000
1.82	1.108	5000
1.82	1.128	5000
1.82	1.148	5000
1.82	1.167	5000
1.82	1.187	5000
1.82	1.207	5000
1.82	1.227	5000
1.82	1.246	5000
1.82	1.266	5000
1.82	1.286	5000
1.82	1.306	5000
1.82	1.325	5000
1.82	1.345	5000
1.82	1.365	5000
1.819	1.385	5000
1.819	1.405	5000

est_theta0	est_theta1	iterations
1.819	1.424	5000
1.819	1.444	5000
1.819	1.464	5000
1.819	1.484	5000
1.819	1.503	5000
1.819	1.523	5000
1.819	1.543	5000
1.819	1.563	5000
1.819	1.582	5000
1.819	1.602	5000
1.819	1.622	5000
1.819	1.642	5000
1.819	1.661	5000
1.819	1.681	5000
1.819	1.701	5000
1.819	1.721	5000
1.819	1.741	5000
1.818	1.76	5000
1.818	1.78	5000
1.818	1.8	5000
1.818	1.82	5000
1.818	1.839	5000
1.818	1.859	5000
1.818	1.879	5000
1.818	1.899	5000
1.818	1.918	5000
1.818	1.938	5000
1.818	1.958	5000
1.818	1.978	5000
1.818	1.997	5000
1.843	0.04087	5000
1.843	0.0606	5000
1.843	0.08051	5000
1.843	0.1001	5000
1.843	0.1199	5000
1.843	0.1397	5000
1.843	0.1594	5000
1.843	0.1791	5000
1.843	0.1989	5000
1.843	0.2186	5000
1.843	0.2384	5000
1.843	0.2582	5000
1.843	0.278	5000
1.843	0.2976	5000
1.843	0.3175	5000
1.843	0.3372	5000
1.843	0.357	5000
1.842	0.3767	5000
1.842	0.3966	5000
1.842	0.4163	5000
1.842	0.4361	5000
1.842	0.4557	5000

est_theta0	est_theta1	iterations
1.842	0.4757	5000
1.842	0.4953	5000
1.842	0.5151	5000
1.842	0.5347	5000
1.842	0.5547	5000
1.842	0.5744	5000
1.842	0.5942	5000
1.842	0.614	5000
1.842	0.6337	5000
1.842	0.6535	5000
1.842	0.6732	5000
1.842	0.693	5000
1.842	0.7127	5000
1.841	0.7325	5000
1.841	0.7522	5000
1.841	0.772	5000
1.841	0.7918	5000
1.841	0.8116	5000
1.841	0.8313	5000
1.841	0.8512	5000
1.841	0.8708	5000
1.841	0.8906	5000
1.841	0.9103	5000
1.841	0.9301	5000
1.841	0.9499	5000
1.841	0.9696	5000
1.841	0.9893	5000
1.841	1.009	5000
1.841	1.029	5000
1.841	1.049	5000
1.841	1.068	5000
1.84	1.088	5000
1.84	1.108	5000
1.84	1.128	5000
1.84	1.148	5000
1.84	1.167	5000
1.84	1.187	5000
1.84	1.207	5000
1.84	1.227	5000
1.84	1.246	5000
1.84	1.266	5000
1.84	1.286	5000
1.84	1.306	5000
1.84	1.325	5000
1.84	1.345	5000
1.84	1.365	5000
1.84	1.385	5000
1.84	1.404	5000
1.84	1.424	5000
1.84	1.444	5000
1.839	1.464	5000
1.839	1.484	5000

est_theta0	est_theta1	iterations
1.839	1.503	5000
1.839	1.523	5000
1.839	1.543	5000
1.839	1.563	5000
1.839	1.582	5000
1.839	1.602	5000
1.839	1.622	5000
1.839	1.642	5000
1.839	1.661	5000
1.839	1.681	5000
1.839	1.701	5000
1.839	1.721	5000
1.839	1.74	5000
1.839	1.76	5000
1.839	1.78	5000
1.839	1.8	5000
1.838	1.819	5000
1.838	1.839	5000
1.838	1.859	5000
1.838	1.879	5000
1.838	1.898	5000
1.838	1.918	5000
1.838	1.938	5000
1.838	1.958	5000
1.838	1.977	5000
1.838	1.997	5000
1.864	0.04063	5000
1.864	0.06048	5000
1.863	0.08026	5000
1.863	0.1002	5000
1.863	0.1198	5000
1.863	0.1396	5000
1.863	0.1594	5000
1.863	0.1791	5000
1.863	0.1987	5000
1.863	0.2186	5000
1.863	0.2384	5000
1.863	0.2581	5000
1.863	0.278	5000
1.863	0.2977	5000
1.863	0.3175	5000
1.863	0.3373	5000
1.863	0.3569	5000
1.863	0.3767	5000
1.863	0.3964	5000
1.863	0.4162	5000
1.863	0.4361	5000
1.862	0.4558	5000
1.862	0.4755	5000
1.862	0.4954	5000
1.862	0.5151	5000
1.862	0.5348	5000

est_theta0	est_theta1	iterations
1.862	0.5545	5000
1.862	0.5745	5000
1.862	0.594	5000
1.862	0.6139	5000
1.862	0.6336	5000
1.862	0.6534	5000
1.862	0.6731	5000
1.862	0.693	5000
1.862	0.7128	5000
1.862	0.7324	5000
1.862	0.7521	5000
1.862	0.7719	5000
1.862	0.7917	5000
1.861	0.8115	5000
1.861	0.8312	5000
1.861	0.8511	5000
1.861	0.8709	5000
1.861	0.8905	5000
1.861	0.9103	5000
1.861	0.9301	5000
1.861	0.9498	5000
1.861	0.9696	5000
1.861	0.9895	5000
1.861	1.009	5000
1.861	1.029	5000
1.861	1.049	5000
1.861	1.068	5000
1.861	1.088	5000
1.861	1.108	5000
1.861	1.128	5000
1.861	1.147	5000
1.86	1.167	5000
1.86	1.187	5000
1.86	1.207	5000
1.86	1.227	5000
1.86	1.246	5000
1.86	1.266	5000
1.86	1.286	5000
1.86	1.305	5000
1.86	1.325	5000
1.86	1.345	5000
1.86	1.365	5000
1.86	1.385	5000
1.86	1.404	5000
1.86	1.424	5000
1.86	1.444	5000
1.86	1.464	5000
1.86	1.483	5000
1.86	1.503	5000
1.859	1.523	5000
1.859	1.543	5000
1.859	1.562	5000

est_theta0	est_theta1	iterations
1.859	1.582	5000
1.859	1.602	5000
1.859	1.622	5000
1.859	1.641	5000
1.859	1.661	5000
1.859	1.681	5000
1.859	1.701	5000
1.859	1.721	5000
1.859	1.74	5000
1.859	1.76	5000
1.859	1.78	5000
1.859	1.8	5000
1.859	1.819	5000
1.859	1.839	5000
1.859	1.859	5000
1.859	1.879	5000
1.858	1.898	5000
1.858	1.918	5000
1.858	1.938	5000
1.858	1.958	5000
1.858	1.978	5000
1.858	1.997	5000
1.884	0.04065	5000
1.884	0.06031	5000
1.884	0.0801	5000
1.884	0.09987	5000
1.884	0.1197	5000
1.884	0.1395	5000
1.883	0.1594	5000
1.883	0.1791	5000
1.883	0.1988	5000
1.883	0.2185	5000
1.883	0.2384	5000
1.883	0.2581	5000
1.883	0.278	5000
1.883	0.2975	5000
1.883	0.3173	5000
1.883	0.3372	5000
1.883	0.357	5000
1.883	0.3767	5000
1.883	0.3966	5000
1.883	0.4162	5000
1.883	0.436	5000
1.883	0.4558	5000
1.883	0.4756	5000
1.883	0.4952	5000
1.882	0.5149	5000
1.882	0.5348	5000
1.882	0.5546	5000
1.882	0.5742	5000
1.882	0.5939	5000
1.882	0.6139	5000

est_theta0	est_theta1	iterations
1.882	0.6337	5000
1.882	0.6534	5000
1.882	0.6731	5000
1.882	0.6929	5000
1.882	0.7126	5000
1.882	0.7323	5000
1.882	0.7522	5000
1.882	0.7719	5000
1.882	0.7917	5000
1.882	0.8115	5000
1.882	0.8312	5000
1.882	0.8509	5000
1.881	0.8707	5000
1.881	0.8906	5000
1.881	0.9102	5000
1.881	0.93	5000
1.881	0.9497	5000
1.881	0.9695	5000
1.881	0.9894	5000
1.881	1.009	5000
1.881	1.029	5000
1.881	1.049	5000
1.881	1.069	5000
1.881	1.088	5000
1.881	1.108	5000
1.881	1.128	5000
1.881	1.147	5000
1.881	1.167	5000
1.881	1.187	5000
1.881	1.207	5000
1.88	1.227	5000
1.88	1.246	5000
1.88	1.266	5000
1.88	1.286	5000
1.88	1.305	5000
1.88	1.325	5000
1.88	1.345	5000
1.88	1.365	5000
1.88	1.385	5000
1.88	1.404	5000
1.88	1.424	5000
1.88	1.444	5000
1.88	1.464	5000
1.88	1.483	5000
1.88	1.503	5000
1.88	1.523	5000
1.88	1.543	5000
1.88	1.562	5000
1.88	1.582	5000
1.879	1.602	5000
1.879	1.622	5000
1.879	1.641	5000

est_theta0	est_theta1	iterations
1.879	1.661	5000
1.879	1.681	5000
1.879	1.701	5000
1.879	1.72	5000
1.879	1.74	5000
1.879	1.76	5000
1.879	1.78	5000
1.879	1.799	5000
1.879	1.819	5000
1.879	1.839	5000
1.879	1.859	5000
1.879	1.879	5000
1.879	1.898	5000
1.879	1.918	5000
1.879	1.938	5000
1.878	1.958	5000
1.878	1.977	5000
1.878	1.997	5000
1.904	0.04054	5000
1.904	0.06036	5000
1.904	0.08007	5000
1.904	0.1	5000
1.904	0.1197	5000
1.904	0.1395	5000
1.904	0.1591	5000
1.904	0.179	5000
1.904	0.1987	5000
1.903	0.2184	5000
1.903	0.2383	5000
1.903	0.258	5000
1.903	0.2778	5000
1.903	0.2976	5000
1.903	0.3173	5000
1.903	0.3369	5000
1.903	0.3569	5000
1.903	0.3765	5000
1.903	0.3963	5000
1.903	0.4161	5000
1.903	0.4359	5000
1.903	0.4557	5000
1.903	0.4755	5000
1.903	0.4951	5000
1.903	0.515	5000
1.903	0.5346	5000
1.903	0.5544	5000
1.903	0.5743	5000
1.902	0.5941	5000
1.902	0.6138	5000
1.902	0.6336	5000
1.902	0.6532	5000
1.902	0.6731	5000
1.902	0.6927	5000

est_theta0	est_theta1	iterations
1.902	0.7126	5000
1.902	0.7324	5000
1.902	0.752	5000
1.902	0.7719	5000
1.902	0.7916	5000
1.902	0.8113	5000
1.902	0.8311	5000
1.902	0.8509	5000
1.902	0.8707	5000
1.902	0.8904	5000
1.902	0.9102	5000
1.902	0.9299	5000
1.901	0.9497	5000
1.901	0.9694	5000
1.901	0.9892	5000
1.901	1.009	5000
1.901	1.029	5000
1.901	1.049	5000
1.901	1.068	5000
1.901	1.088	5000
1.901	1.108	5000
1.901	1.128	5000
1.901	1.147	5000
1.901	1.167	5000
1.901	1.187	5000
1.901	1.207	5000
1.901	1.226	5000
1.901	1.246	5000
1.901	1.266	5000
1.901	1.286	5000
1.9	1.305	5000
1.9	1.325	5000
1.9	1.345	5000
1.9	1.365	5000
1.9	1.385	5000
1.9	1.404	5000
1.9	1.424	5000
1.9	1.444	5000
1.9	1.464	5000
1.9	1.483	5000
1.9	1.503	5000
1.9	1.523	5000
1.9	1.543	5000
1.9	1.562	5000
1.9	1.582	5000
1.9	1.602	5000
1.9	1.622	5000
1.9	1.641	5000
1.899	1.661	5000
1.899	1.681	5000
1.899	1.701	5000
1.899	1.721	5000

est_theta0	est_theta1	iterations
1.899	1.74	5000
1.899	1.76	5000
1.899	1.78	5000
1.899	1.799	5000
1.899	1.819	5000
1.899	1.839	5000
1.899	1.859	5000
1.899	1.878	5000
1.899	1.898	5000
1.899	1.918	5000
1.899	1.938	5000
1.899	1.958	5000
1.899	1.977	5000
1.899	1.997	5000
1.924	0.04048	5000
1.924	0.06025	5000
1.924	0.08005	5000
1.924	0.09984	5000
1.924	0.1196	5000
1.924	0.1394	5000
1.924	0.1591	5000
1.924	0.179	5000
1.924	0.1987	5000
1.924	0.2185	5000
1.924	0.2382	5000
1.924	0.258	5000
1.924	0.2777	5000
1.923	0.2974	5000
1.923	0.3172	5000
1.923	0.3371	5000
1.923	0.3569	5000
1.923	0.3765	5000
1.923	0.3963	5000
1.923	0.416	5000
1.923	0.4357	5000
1.923	0.4556	5000
1.923	0.4754	5000
1.923	0.4951	5000
1.923	0.5147	5000
1.923	0.5346	5000
1.923	0.5544	5000
1.923	0.5741	5000
1.923	0.5939	5000
1.923	0.6136	5000
1.923	0.6335	5000
1.922	0.6532	5000
1.922	0.6731	5000
1.922	0.6927	5000
1.922	0.7125	5000
1.922	0.7322	5000
1.922	0.752	5000
1.922	0.7717	5000

est_theta0	est_theta1	iterations
1.922	0.7914	5000
1.922	0.8112	5000
1.922	0.831	5000
1.922	0.8508	5000
1.922	0.8707	5000
1.922	0.8904	5000
1.922	0.9101	5000
1.922	0.9298	5000
1.922	0.9496	5000
1.922	0.9694	5000
1.922	0.9891	5000
1.922	1.009	5000
1.921	1.029	5000
1.921	1.048	5000
1.921	1.068	5000
1.921	1.088	5000
1.921	1.108	5000
1.921	1.127	5000
1.921	1.147	5000
1.921	1.167	5000
1.921	1.187	5000
1.921	1.206	5000
1.921	1.226	5000
1.921	1.246	5000
1.921	1.266	5000
1.921	1.286	5000
1.921	1.305	5000
1.921	1.325	5000
1.921	1.345	5000
1.92	1.365	5000
1.92	1.384	5000
1.92	1.404	5000
1.92	1.424	5000
1.92	1.444	5000
1.92	1.463	5000
1.92	1.483	5000
1.92	1.503	5000
1.92	1.523	5000
1.92	1.542	5000
1.92	1.562	5000
1.92	1.582	5000
1.92	1.602	5000
1.92	1.622	5000
1.92	1.641	5000
1.92	1.661	5000
1.92	1.681	5000
1.92	1.701	5000
1.92	1.721	5000
1.919	1.74	5000
1.919	1.76	5000
1.919	1.78	5000
1.919	1.799	5000

est_theta0	est_theta1	iterations
1.919	1.819	5000
1.919	1.839	5000
1.919	1.859	5000
1.919	1.879	5000
1.919	1.898	5000
1.919	1.918	5000
1.919	1.938	5000
1.919	1.957	5000
1.919	1.977	5000
1.919	1.997	5000
1.944	0.04054	5000
1.944	0.06018	5000
1.944	0.08006	5000
1.944	0.09976	5000
1.944	0.1195	5000
1.944	0.1393	5000
1.944	0.1591	5000
1.944	0.1788	5000
1.944	0.1986	5000
1.944	0.2183	5000
1.944	0.2381	5000
1.944	0.2578	5000
1.944	0.2777	5000
1.944	0.2974	5000
1.944	0.3171	5000
1.944	0.3369	5000
1.943	0.3566	5000
1.943	0.3765	5000
1.943	0.3961	5000
1.943	0.416	5000
1.943	0.4358	5000
1.943	0.4555	5000
1.943	0.4752	5000
1.943	0.4949	5000
1.943	0.5149	5000
1.943	0.5346	5000
1.943	0.5544	5000
1.943	0.5739	5000
1.943	0.5937	5000
1.943	0.6136	5000
1.943	0.6335	5000
1.943	0.6531	5000
1.943	0.6729	5000
1.943	0.6927	5000
1.942	0.7124	5000
1.942	0.7321	5000
1.942	0.7519	5000
1.942	0.7717	5000
1.942	0.7915	5000
1.942	0.8112	5000
1.942	0.831	5000
1.942	0.8508	5000

est_theta0	est_theta1	iterations
1.942	0.8705	5000
1.942	0.8903	5000
1.942	0.9099	5000
1.942	0.9298	5000
1.942	0.9496	5000
1.942	0.9694	5000
1.942	0.9892	5000
1.942	1.009	5000
1.942	1.029	5000
1.942	1.048	5000
1.942	1.068	5000
1.941	1.088	5000
1.941	1.108	5000
1.941	1.127	5000
1.941	1.147	5000
1.941	1.167	5000
1.941	1.187	5000
1.941	1.207	5000
1.941	1.226	5000
1.941	1.246	5000
1.941	1.266	5000
1.941	1.286	5000
1.941	1.305	5000
1.941	1.325	5000
1.941	1.345	5000
1.941	1.365	5000
1.941	1.384	5000
1.941	1.404	5000
1.941	1.424	5000
1.94	1.444	5000
1.94	1.463	5000
1.94	1.483	5000
1.94	1.503	5000
1.94	1.523	5000
1.94	1.542	5000
1.94	1.562	5000
1.94	1.582	5000
1.94	1.602	5000
1.94	1.621	5000
1.94	1.641	5000
1.94	1.661	5000
1.94	1.681	5000
1.94	1.7	5000
1.94	1.72	5000
1.94	1.74	5000
1.94	1.76	5000
1.94	1.779	5000
1.939	1.799	5000
1.939	1.819	5000
1.939	1.839	5000
1.939	1.859	5000
1.939	1.878	5000

est_theta0	est_theta1	iterations
1.939	1.898	5000
1.939	1.918	5000
1.939	1.938	5000
1.939	1.957	5000
1.939	1.977	5000
1.939	1.997	5000
1.965	0.04043	5000
1.965	0.06028	5000
1.964	0.07996	5000
1.964	0.09976	5000
1.964	0.1195	5000
1.964	0.1392	5000
1.964	0.159	5000
1.964	0.1787	5000
1.964	0.1986	5000
1.964	0.2183	5000
1.964	0.2381	5000
1.964	0.2578	5000
1.964	0.2776	5000
1.964	0.2974	5000
1.964	0.3171	5000
1.964	0.3369	5000
1.964	0.3566	5000
1.964	0.3763	5000
1.964	0.3962	5000
1.964	0.4159	5000
1.963	0.4357	5000
1.963	0.4555	5000
1.963	0.4752	5000
1.963	0.4949	5000
1.963	0.5147	5000
1.963	0.5345	5000
1.963	0.5543	5000
1.963	0.5741	5000
1.963	0.5937	5000
1.963	0.6136	5000
1.963	0.6333	5000
1.963	0.6531	5000
1.963	0.6728	5000
1.963	0.6925	5000
1.963	0.7124	5000
1.963	0.7321	5000
1.963	0.7518	5000
1.963	0.7715	5000
1.962	0.7913	5000
1.962	0.8112	5000
1.962	0.831	5000
1.962	0.8507	5000
1.962	0.8705	5000
1.962	0.8903	5000
1.962	0.91	5000
1.962	0.9298	5000

est_theta0	est_theta1	iterations
1.962	0.9494	5000
1.962	0.9691	5000
1.962	0.989	5000
1.962	1.009	5000
1.962	1.028	5000
1.962	1.048	5000
1.962	1.068	5000
1.962	1.088	5000
1.962	1.107	5000
1.962	1.127	5000
1.961	1.147	5000
1.961	1.167	5000
1.961	1.187	5000
1.961	1.206	5000
1.961	1.226	5000
1.961	1.246	5000
1.961	1.266	5000
1.961	1.286	5000
1.961	1.305	5000
1.961	1.325	5000
1.961	1.345	5000
1.961	1.365	5000
1.961	1.384	5000
1.961	1.404	5000
1.961	1.424	5000
1.961	1.443	5000
1.961	1.463	5000
1.961	1.483	5000
1.961	1.503	5000
1.96	1.523	5000
1.96	1.542	5000
1.96	1.562	5000
1.96	1.582	5000
1.96	1.602	5000
1.96	1.621	5000
1.96	1.641	5000
1.96	1.661	5000
1.96	1.681	5000
1.96	1.7	5000
1.96	1.72	5000
1.96	1.74	5000
1.96	1.76	5000
1.96	1.78	5000
1.96	1.799	5000
1.96	1.819	5000
1.96	1.839	5000
1.96	1.859	0
1.959	1.878	5000
1.959	1.898	5000
1.959	1.918	5000
1.959	1.938	5000
1.959	1.957	5000

est_theta0	est_theta1	iterations
1.959	1.977	5000
1.959	1.997	5000
1.985	0.04042	5000
1.985	0.06008	5000
1.985	0.07989	5000
1.985	0.09966	5000
1.985	0.1194	5000
1.984	0.1391	5000
1.984	0.159	5000
1.984	0.1786	5000
1.984	0.1983	5000
1.984	0.2183	5000
1.984	0.2379	5000
1.984	0.2577	5000
1.984	0.2776	5000
1.984	0.2973	5000
1.984	0.3171	5000
1.984	0.3367	5000
1.984	0.3566	5000
1.984	0.3763	5000
1.984	0.3961	5000
1.984	0.4157	5000
1.984	0.4356	5000
1.984	0.4554	5000
1.984	0.4752	5000
1.983	0.4949	5000
1.983	0.5147	5000
1.983	0.5345	5000
1.983	0.5543	5000
1.983	0.574	5000
1.983	0.5938	5000
1.983	0.6136	5000
1.983	0.6333	5000
1.983	0.653	5000
1.983	0.6727	5000
1.983	0.6924	5000
1.983	0.7122	5000
1.983	0.732	5000
1.983	0.7517	5000
1.983	0.7715	5000
1.983	0.7913	5000
1.983	0.8112	5000
1.983	0.8308	5000
1.982	0.8505	5000
1.982	0.8704	5000
1.982	0.89	5000
1.982	0.9099	5000
1.982	0.9297	5000
1.982	0.9495	5000
1.982	0.9691	5000
1.982	0.989	5000
1.982	1.009	5000

est_theta0	est_theta1	iterations
1.982	1.028	5000
1.982	1.048	5000
1.982	1.068	5000
1.982	1.088	5000
1.982	1.107	5000
1.982	1.127	5000
1.982	1.147	5000
1.982	1.167	5000
1.982	1.186	5000
1.982	1.206	5000
1.981	1.226	5000
1.981	1.246	5000
1.981	1.266	5000
1.981	1.286	5000
1.981	1.305	5000
1.981	1.325	5000
1.981	1.345	5000
1.981	1.365	5000
1.981	1.384	5000
1.981	1.404	5000
1.981	1.424	5000
1.981	1.443	5000
1.981	1.463	5000
1.981	1.483	5000
1.981	1.503	5000
1.981	1.523	5000
1.981	1.542	5000
1.981	1.562	5000
1.98	1.582	5000
1.98	1.602	5000
1.98	1.621	5000
1.98	1.641	5000
1.98	1.661	5000
1.98	1.681	5000
1.98	1.7	5000
1.98	1.72	5000
1.98	1.74	5000
1.98	1.76	5000
1.98	1.779	5000
1.98	1.799	5000
1.98	1.818	274
1.98	1.839	5000
1.98	1.859	5000
1.98	1.878	5000
1.98	1.898	5000
1.98	1.918	5000
1.979	1.938	5000
1.979	1.957	5000
1.979	1.977	5000
1.979	1.997	5000
2.005	0.04049	5000
2.005	0.06003	5000

est_theta0	est_theta1	iterations
2.005	0.07984	5000
2.005	0.09958	5000
2.005	0.1195	5000
2.005	0.1391	5000
2.005	0.1589	5000
2.005	0.1787	5000
2.005	0.1984	5000
2.004	0.2182	5000
2.004	0.2379	5000
2.004	0.2578	5000
2.004	0.2774	5000
2.004	0.297	5000
2.004	0.317	5000
2.004	0.3367	5000
2.004	0.3563	5000
2.004	0.3762	5000
2.004	0.3961	5000
2.004	0.4157	5000
2.004	0.4357	5000
2.004	0.4552	5000
2.004	0.475	5000
2.004	0.4949	5000
2.004	0.5147	5000
2.004	0.5345	5000
2.004	0.5541	5000
2.003	0.574	5000
2.003	0.5936	5000
2.003	0.6134	5000
2.003	0.6331	5000
2.003	0.6529	5000
2.003	0.6727	5000
2.003	0.6925	5000
2.003	0.7122	5000
2.003	0.732	5000
2.003	0.7517	5000
2.003	0.7715	5000
2.003	0.7913	5000
2.003	0.811	5000
2.003	0.8307	5000
2.003	0.8506	5000
2.003	0.8703	5000
2.003	0.8901	5000
2.003	0.9098	5000
2.002	0.9298	5000
2.002	0.9494	5000
2.002	0.9692	5000
2.002	0.9888	5000
2.002	1.009	5000
2.002	1.028	5000
2.002	1.048	5000
2.002	1.068	5000
2.002	1.088	5000

est_theta0	est_theta1	iterations
2.002	1.108	5000
2.002	1.127	5000
2.002	1.147	5000
2.002	1.167	5000
2.002	1.187	5000
2.002	1.206	5000
2.002	1.226	5000
2.002	1.246	5000
2.002	1.266	5000
2.001	1.285	5000
2.001	1.305	5000
2.001	1.325	5000
2.001	1.345	5000
2.001	1.364	5000
2.001	1.384	5000
2.001	1.404	5000
2.001	1.424	5000
2.001	1.443	5000
2.001	1.463	5000
2.001	1.483	5000
2.001	1.503	5000
2.001	1.522	5000
2.001	1.542	5000
2.001	1.562	5000
2.001	1.582	5000
2.001	1.602	5000
2.001	1.621	5000
2	1.641	5000
2	1.661	5000
2	1.681	5000
2	1.7	5000
2	1.72	5000
2	1.74	5000
2	1.76	5000
2	1.779	5000
2	1.799	5000
2	1.818	0
2	1.839	5000
2	1.859	5000
2	1.878	5000
2	1.898	5000
2	1.918	5000
2	1.938	5000
2	1.957	5000
2	1.977	5000
2	1.997	5000