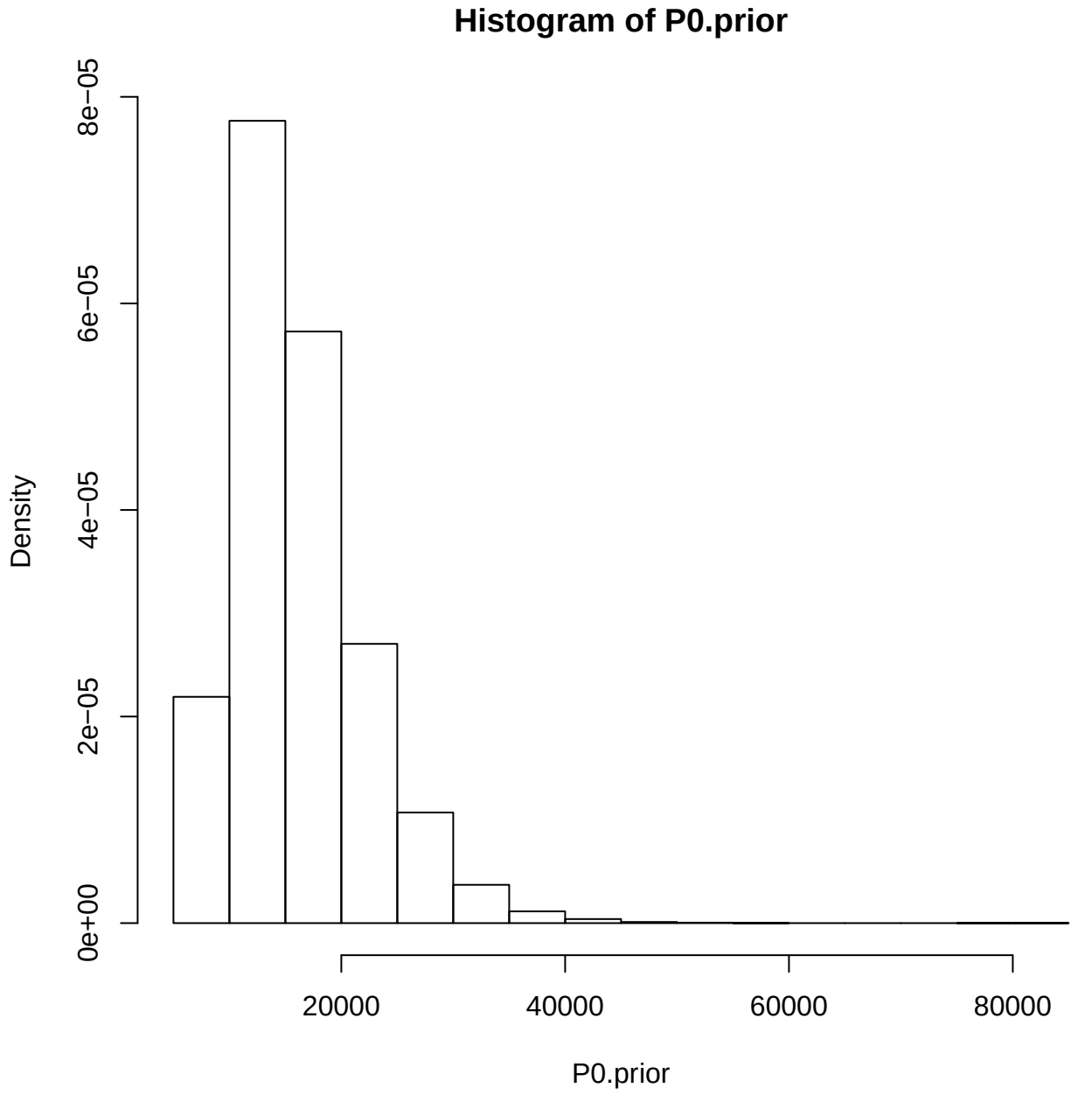
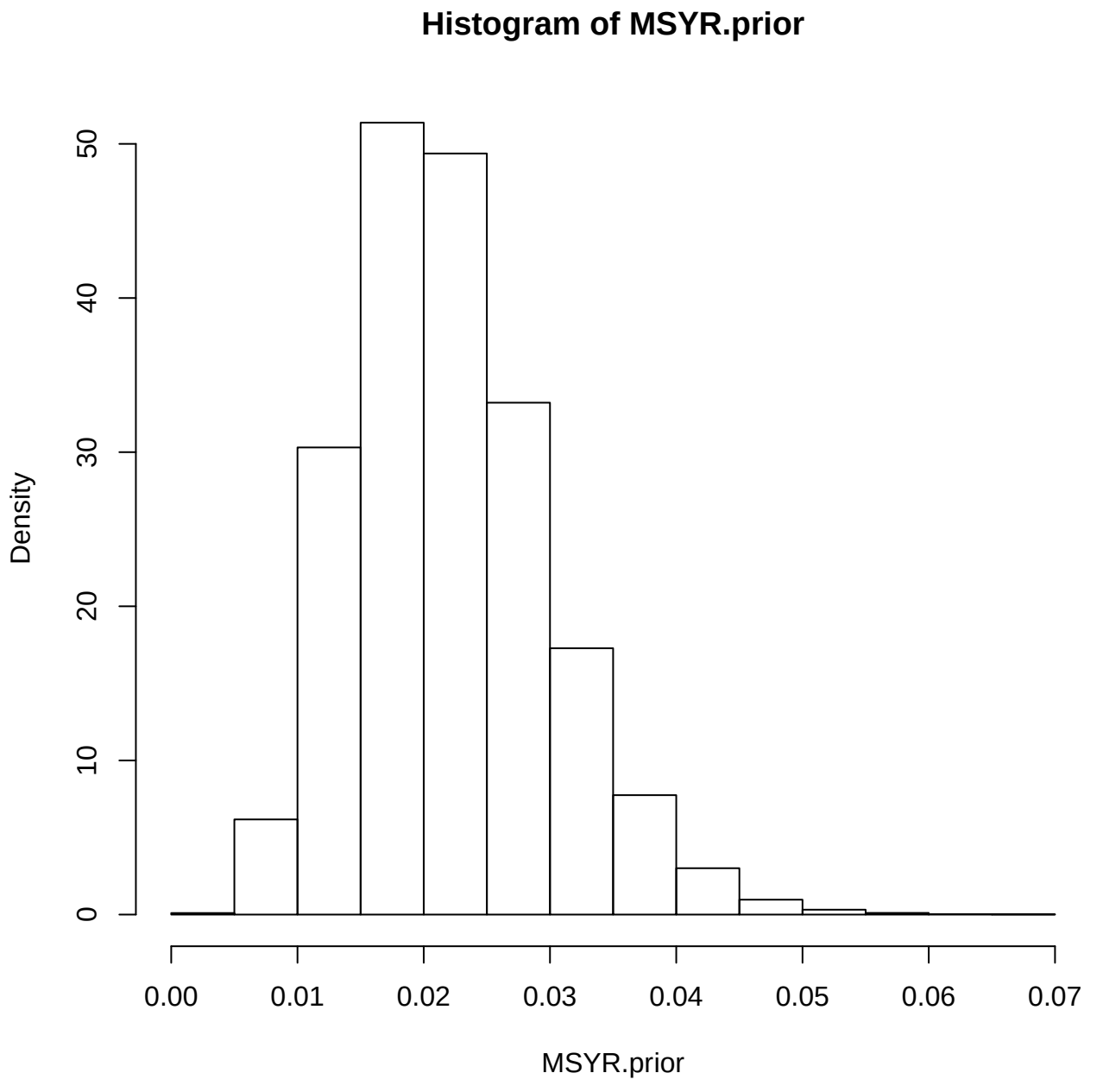
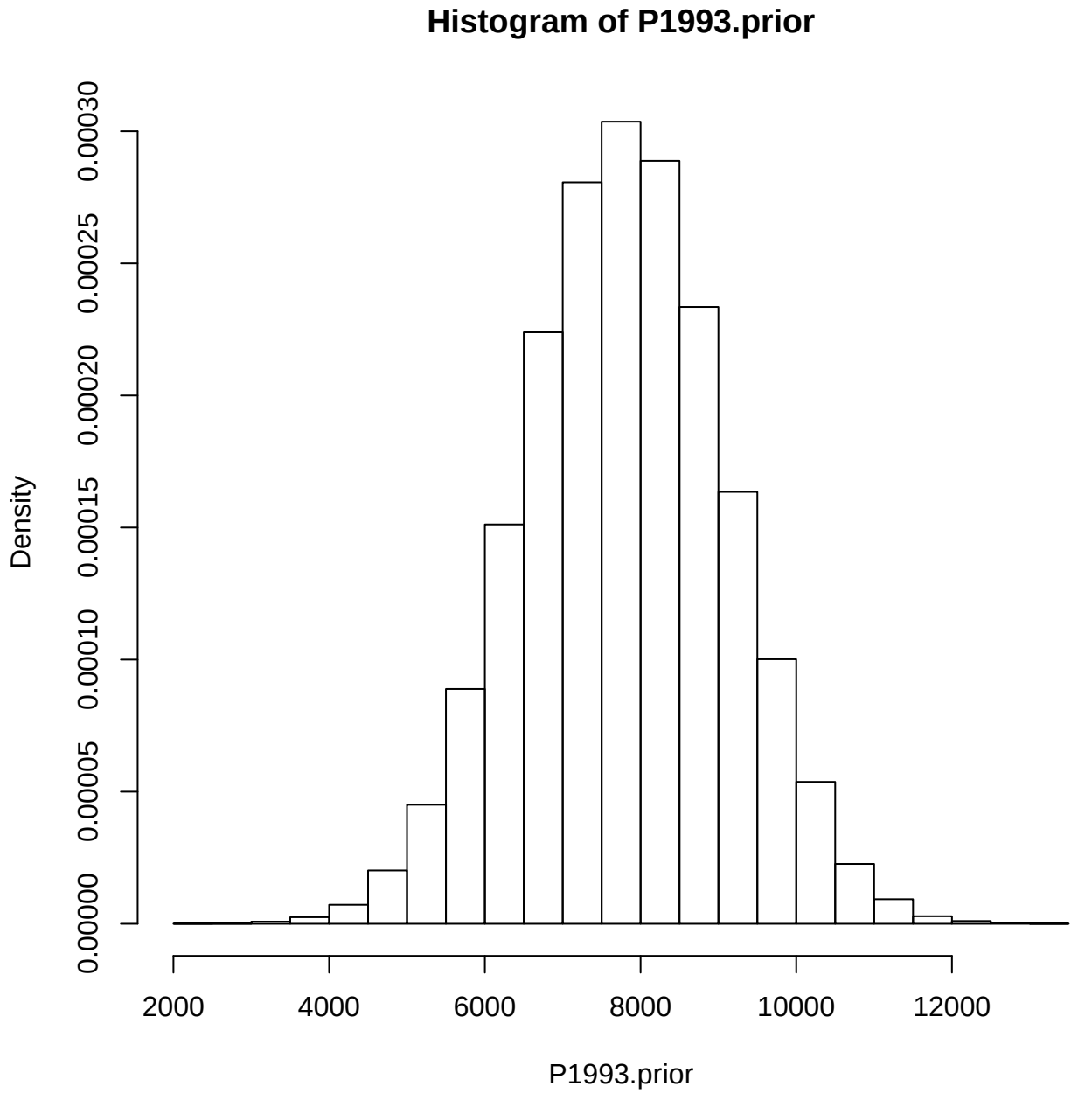
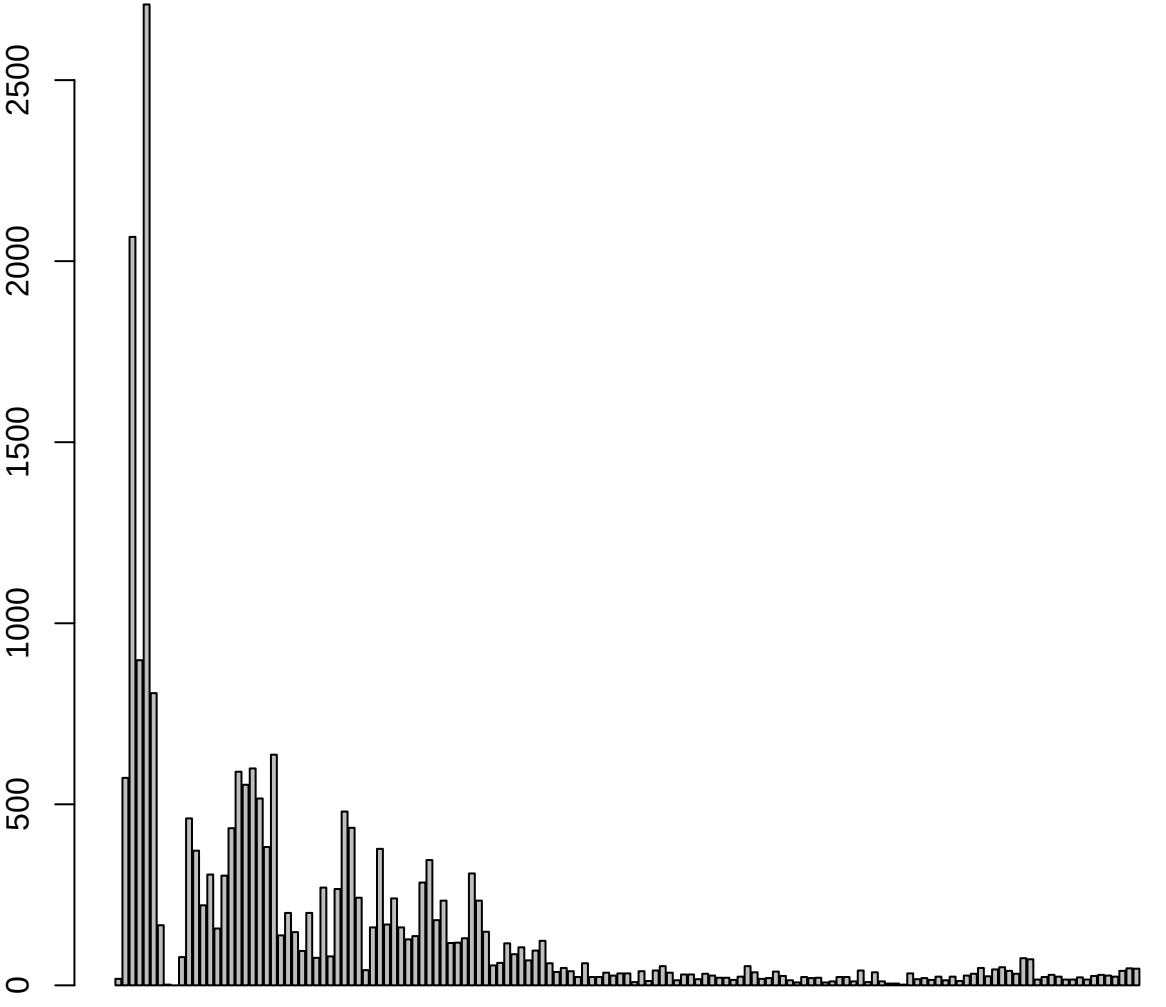
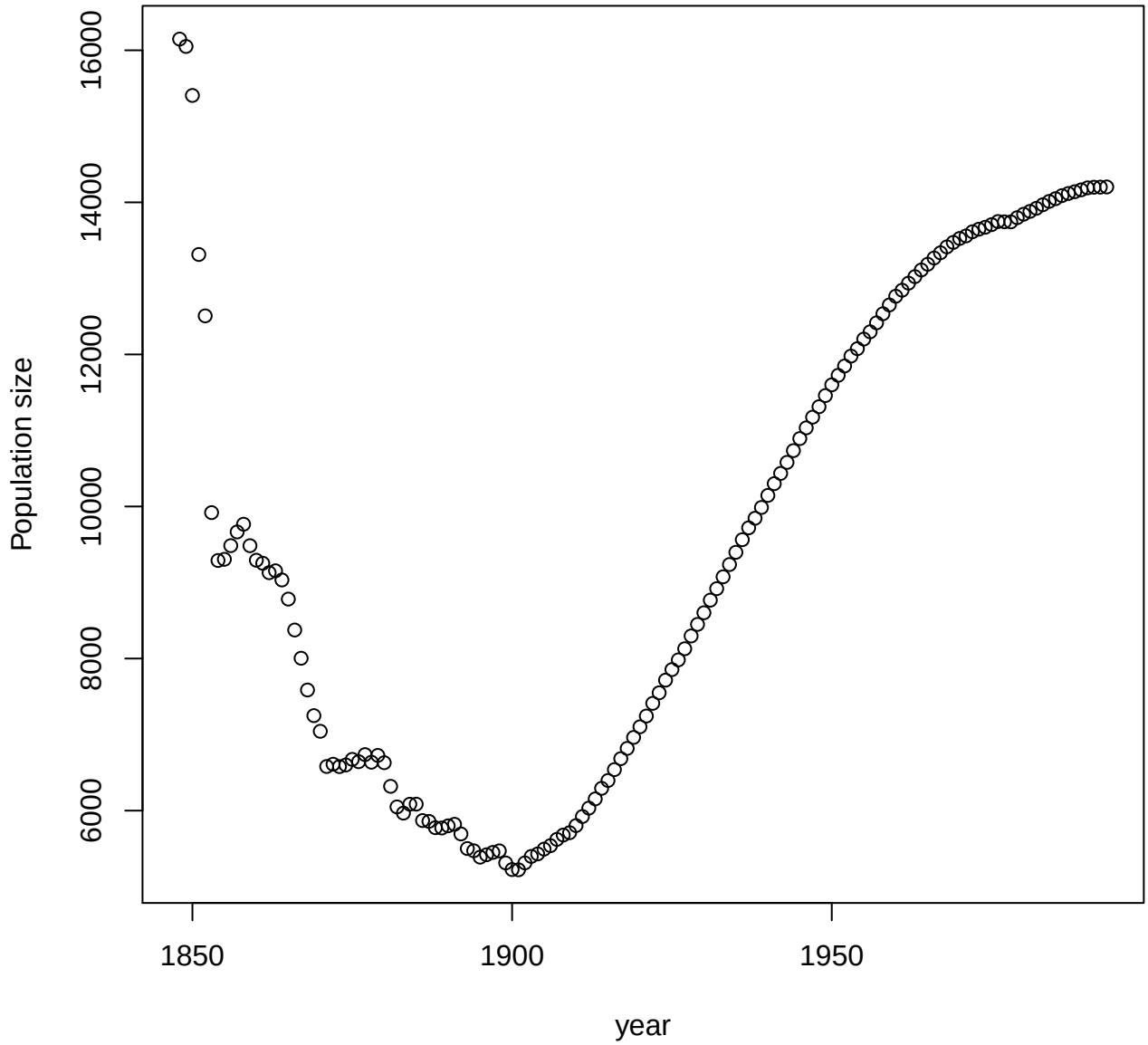
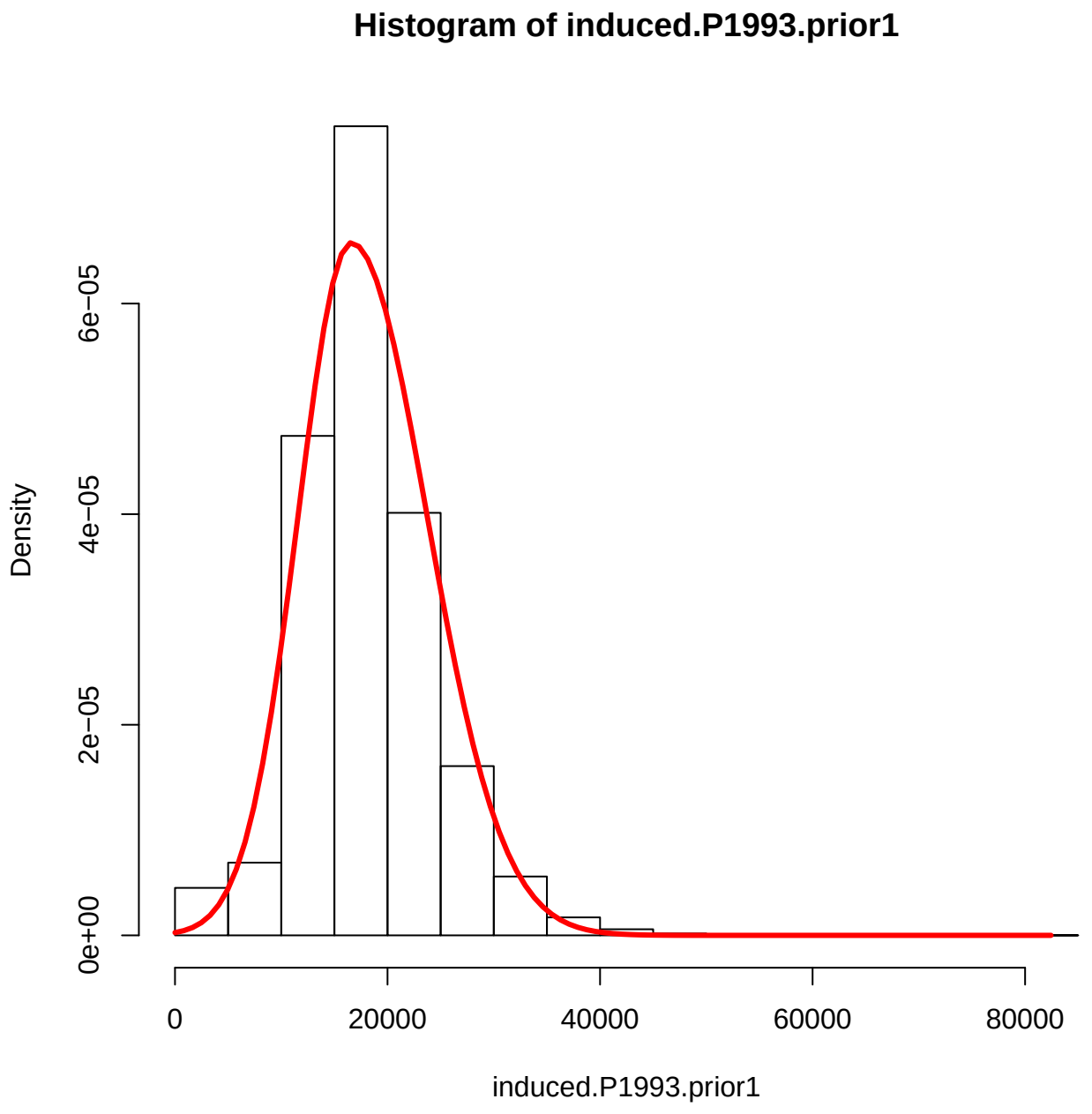

Histogram of P0.prior
Density
0e+00
2e−05
4e−05
6e−05
8e−05
20000
40000
60000
80000
P0.prior

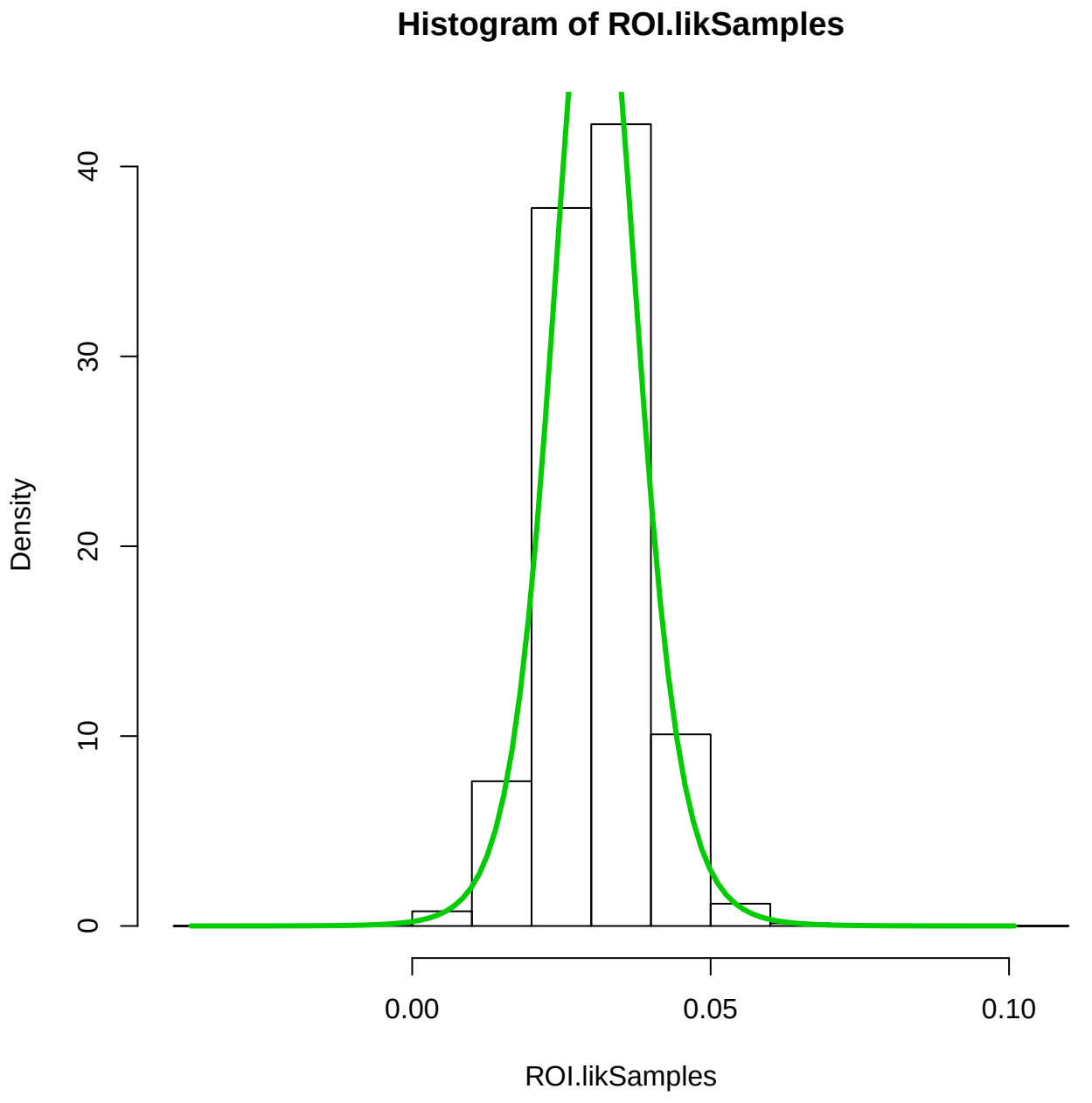

Histogram of MSYR.prior
Density
0
10
20
30
40
50
0.00
0.01
0.02
0.03
0.04
0.05
0.06
0.07
MSYR.prior

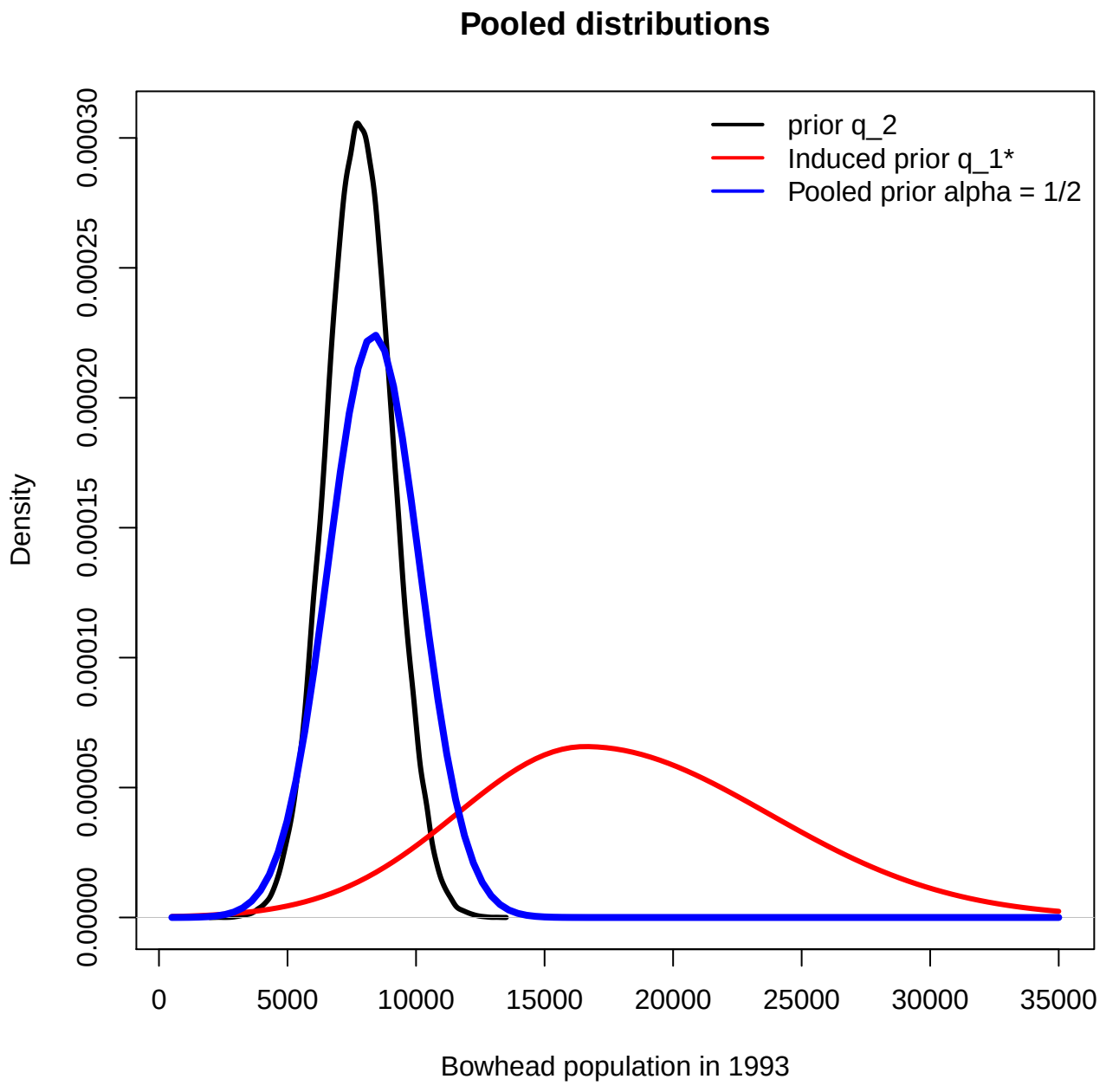

Histogram of P1993.prior
Density
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
0.00030
2000
4000
6000
8000
10000
12000
P1993.prior

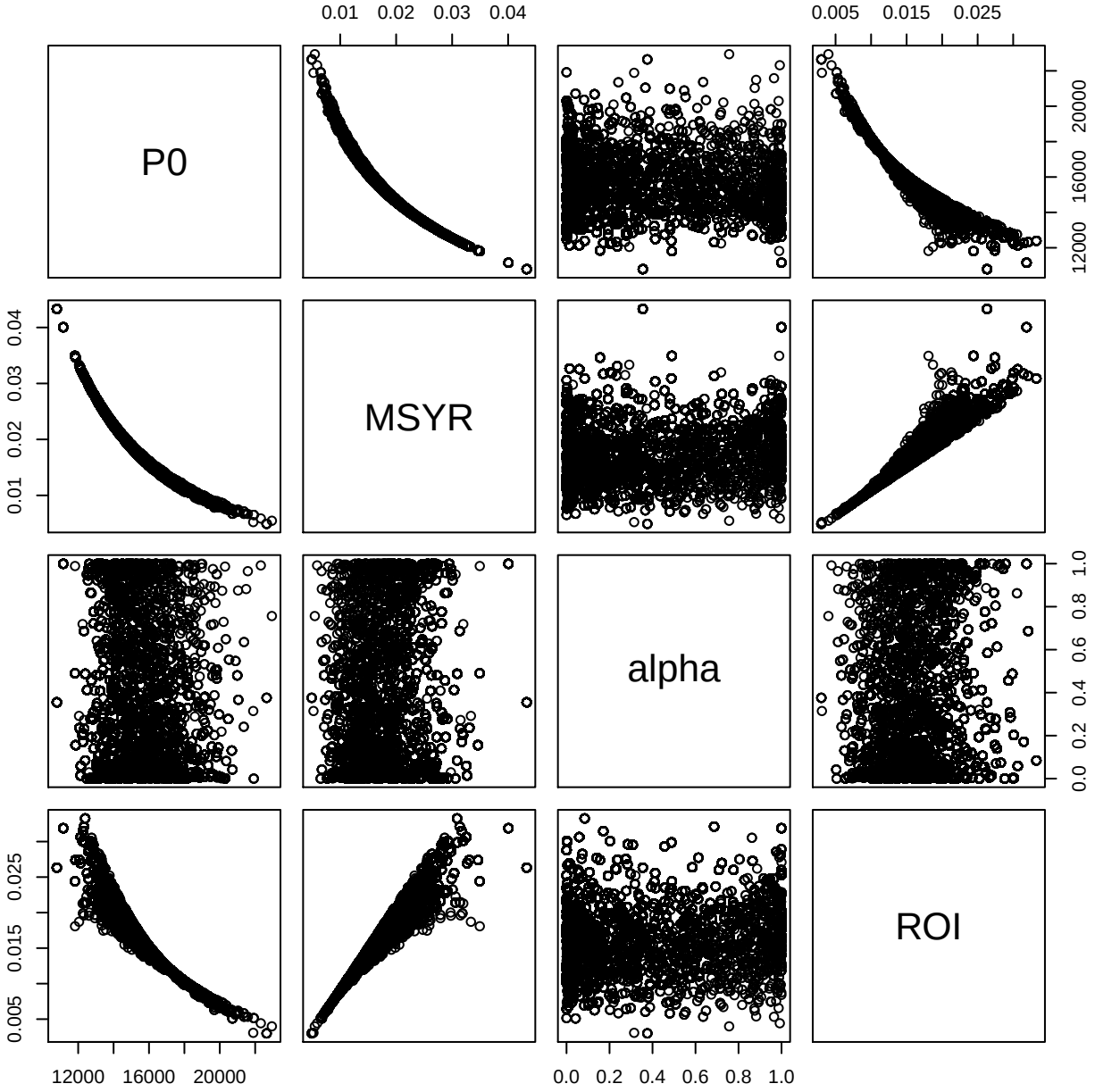

0
500
1000
1500
2000
2500

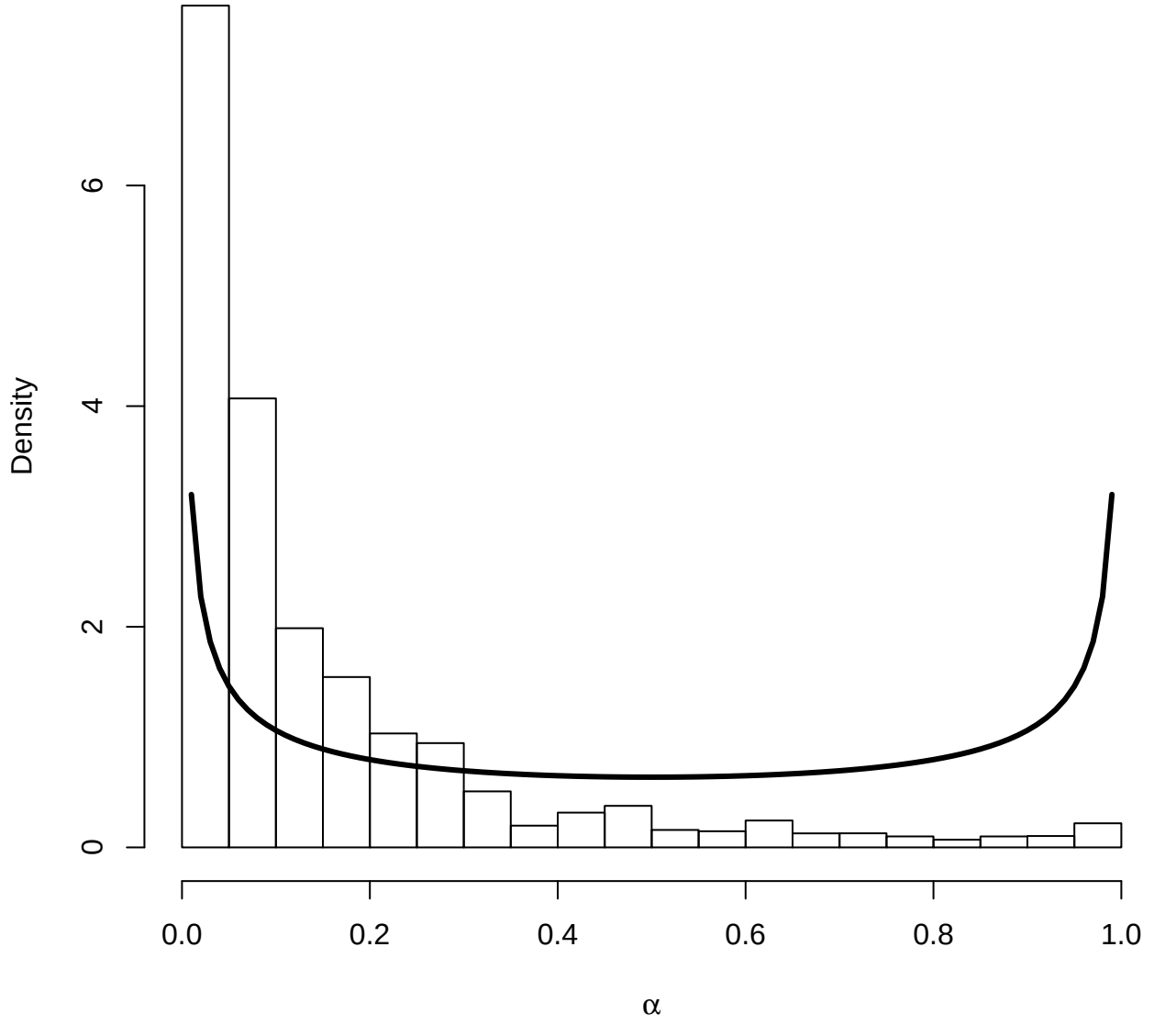

Population size
6000
8000
10000
12000
14000
16000
1850
1900
1950
year

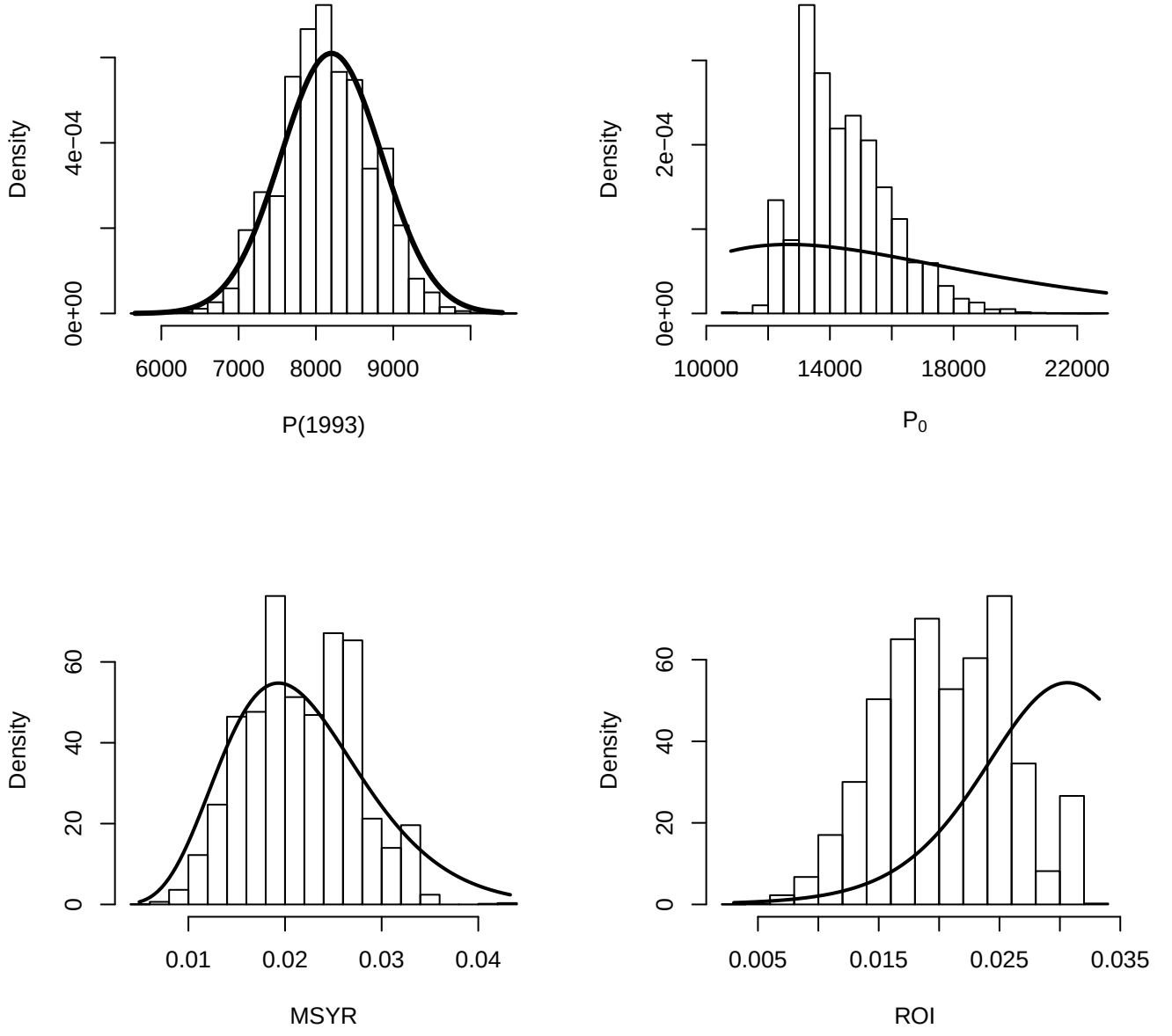

Histogram of induced.P1993.prior1
Density
0e+00
2e−05
4e−05
6e−05
0
20000
40000
60000
80000
induced.P1993.prior1


Histogram of ROI.likSamples
Density
0
10
20
30
40
0.00
0.05
0.10
ROI.likSamples


Pooled distributions
prior q_2
Induced prior q_1*
Pooled prior alpha = 1/2
Density
0.00000
0.00005
0.00010
0.00015
0.00020
0.00025
0.00030
0
5000
10000
15000
20000
25000
30000
35000
Bowhead population in 1993


P0
MSYR
alpha
ROI
0.01
0.02
0.03
0.04
0.005
0.015
0.025
12000
16000
20000
0.0
0.2
0.4
0.6
0.8
1.0


Density
0
2
4
6
0.0
0.2
0.4
0.6
0.8
1.0
α


Density
0e+00
4e−04
6000
7000
8000
9000
P(1993)
Density
0e+00
2e−04
10000
14000
18000
22000
P0
Density
0
20
40
60
0.01
0.02
0.03
0.04
MSYR
Density
0
20
40
60
0.005
0.015
0.025
0.035
ROI