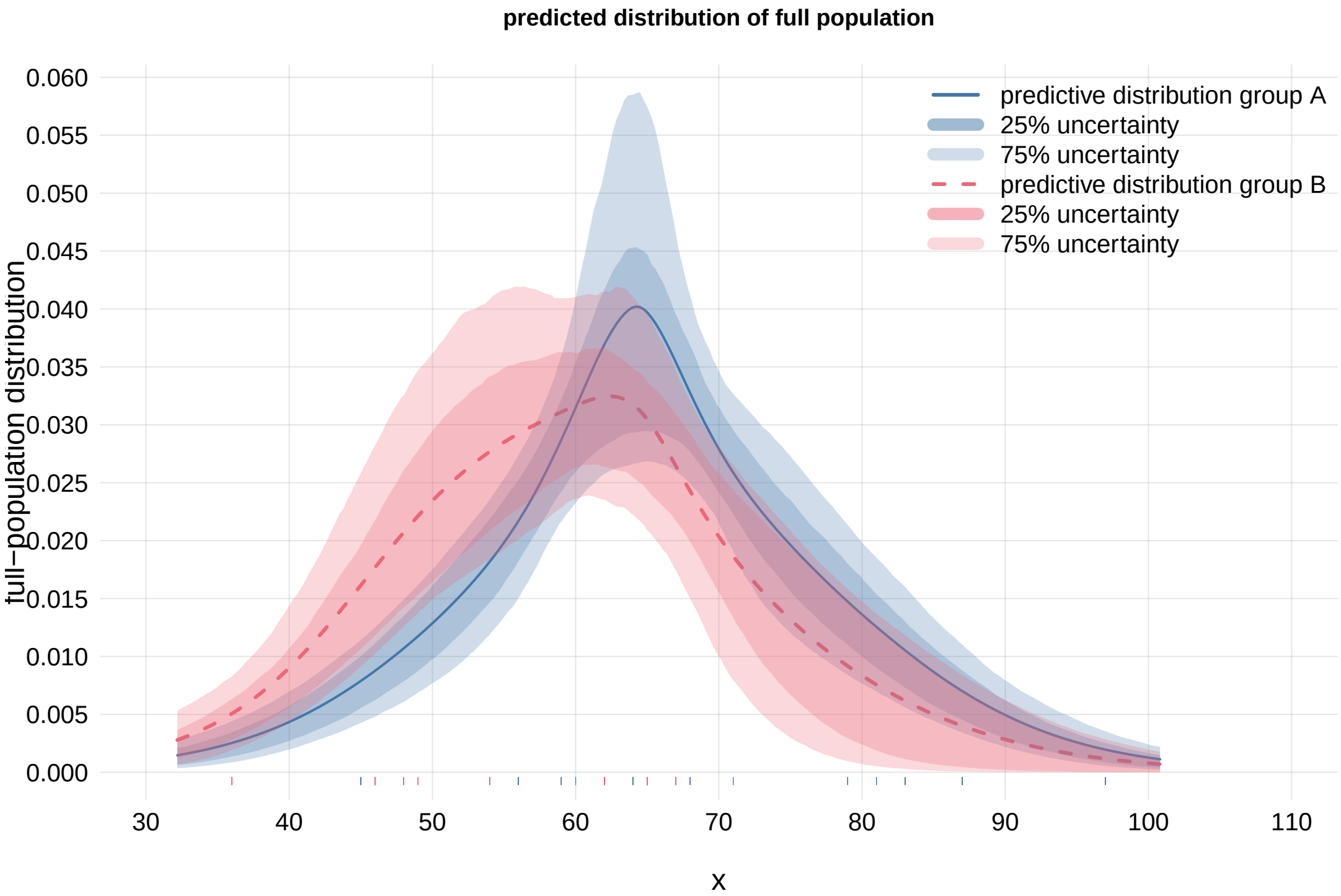
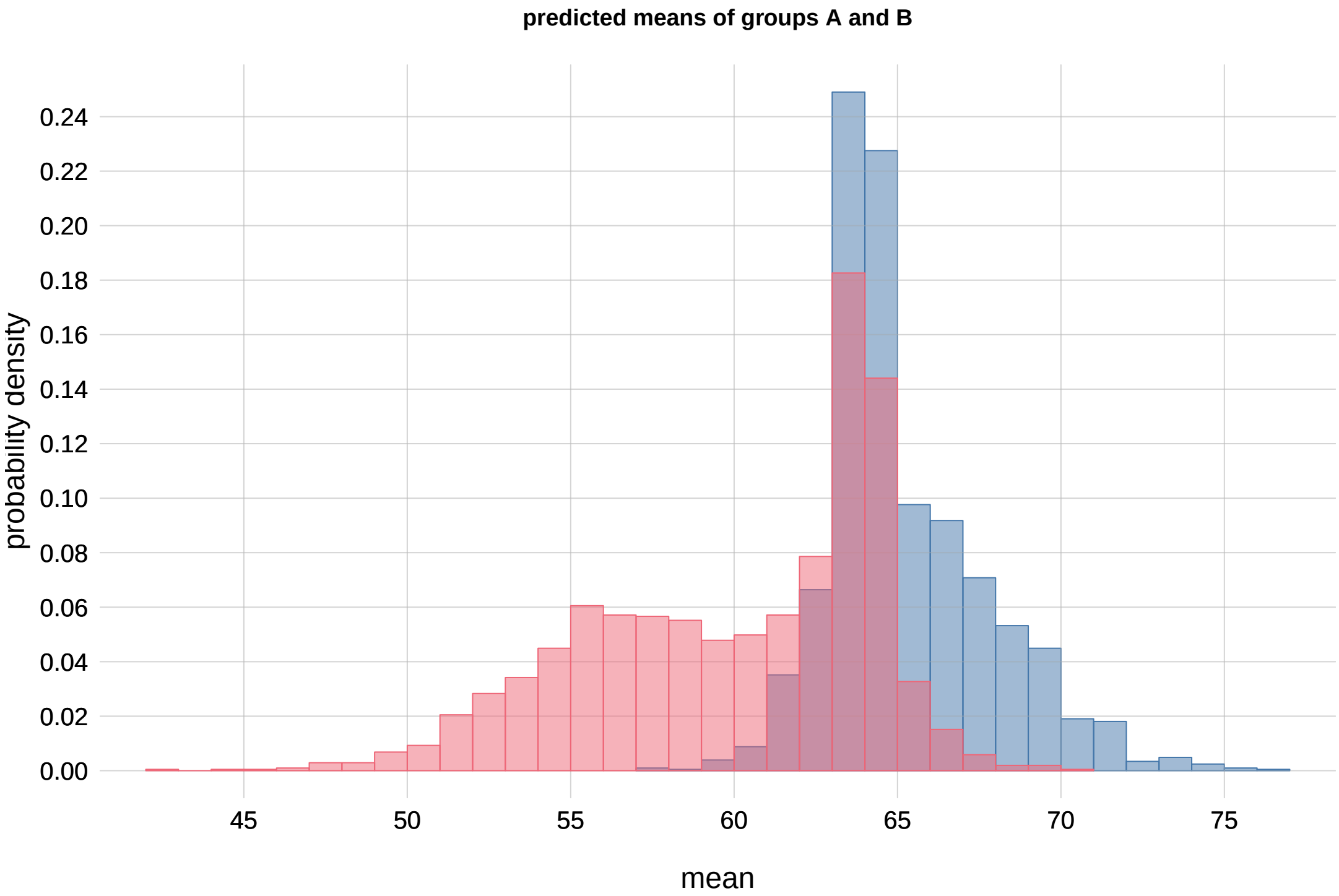
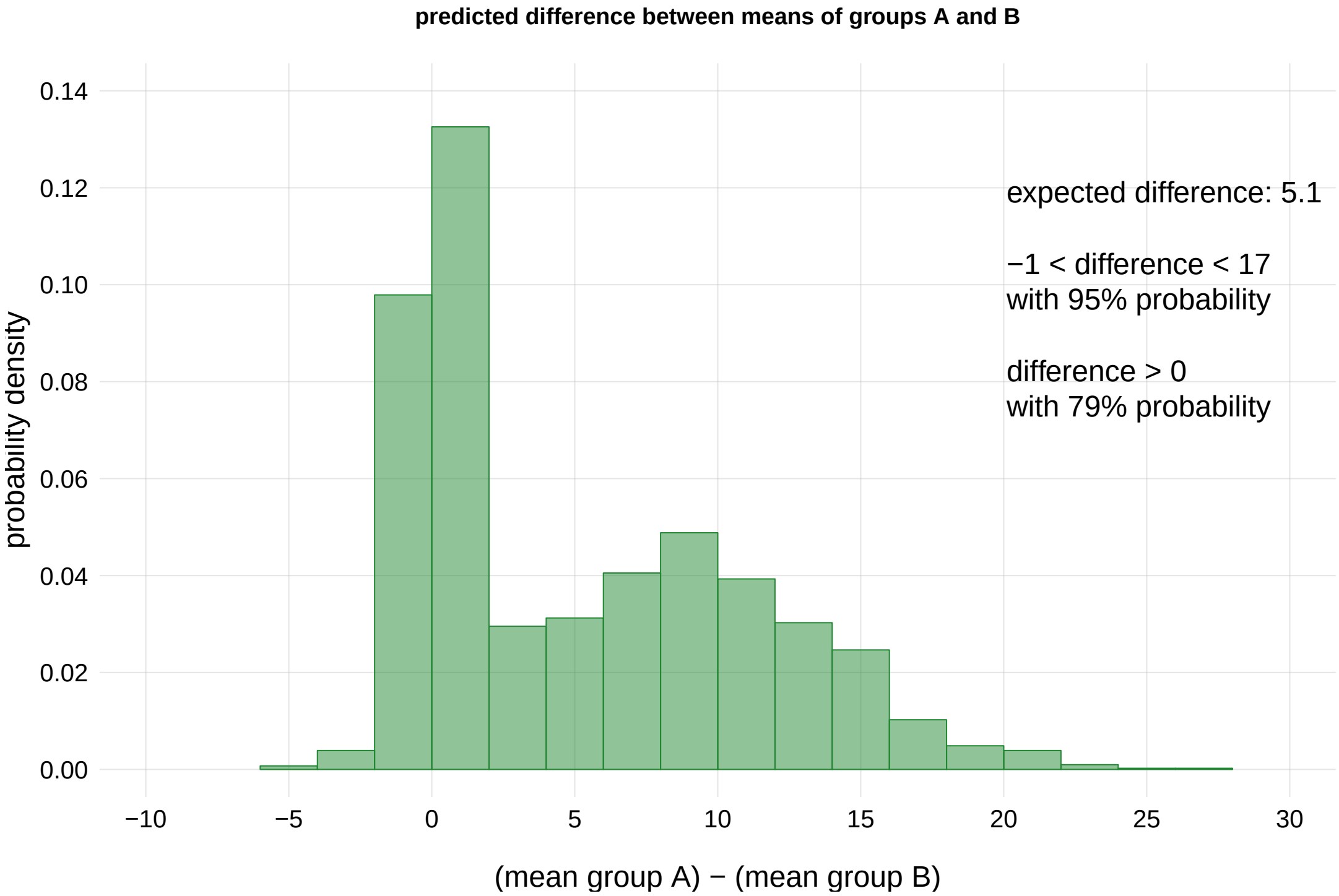
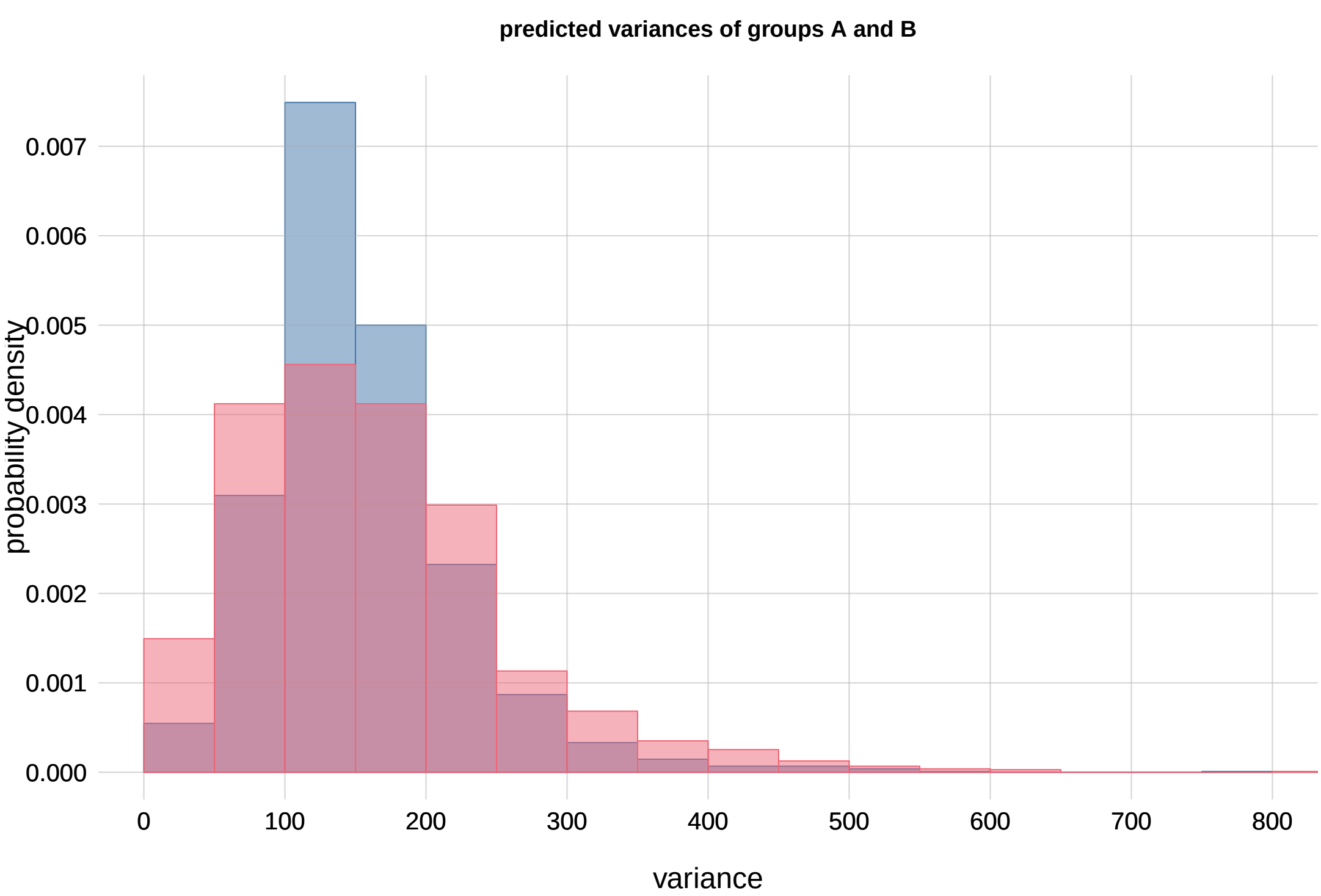
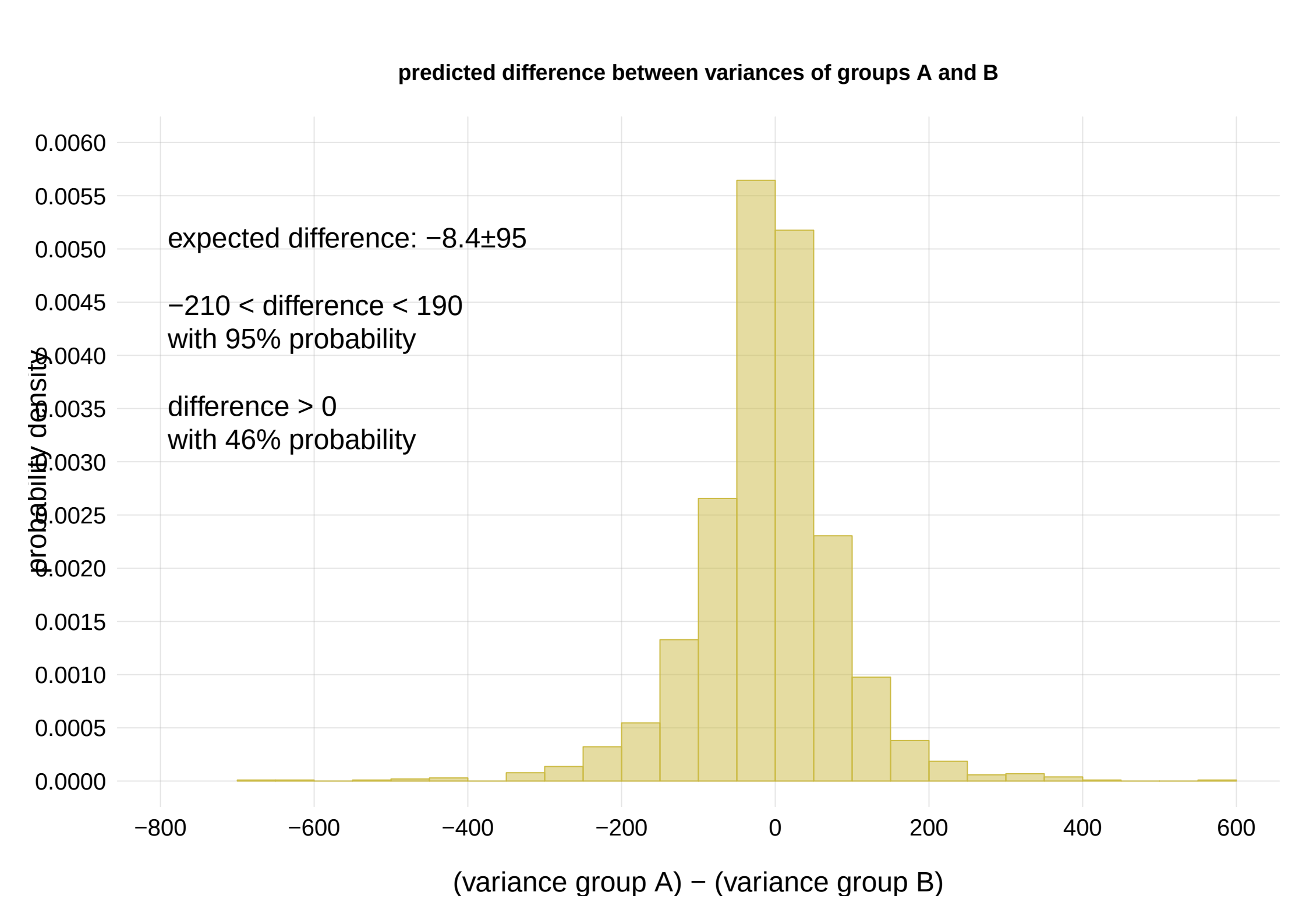
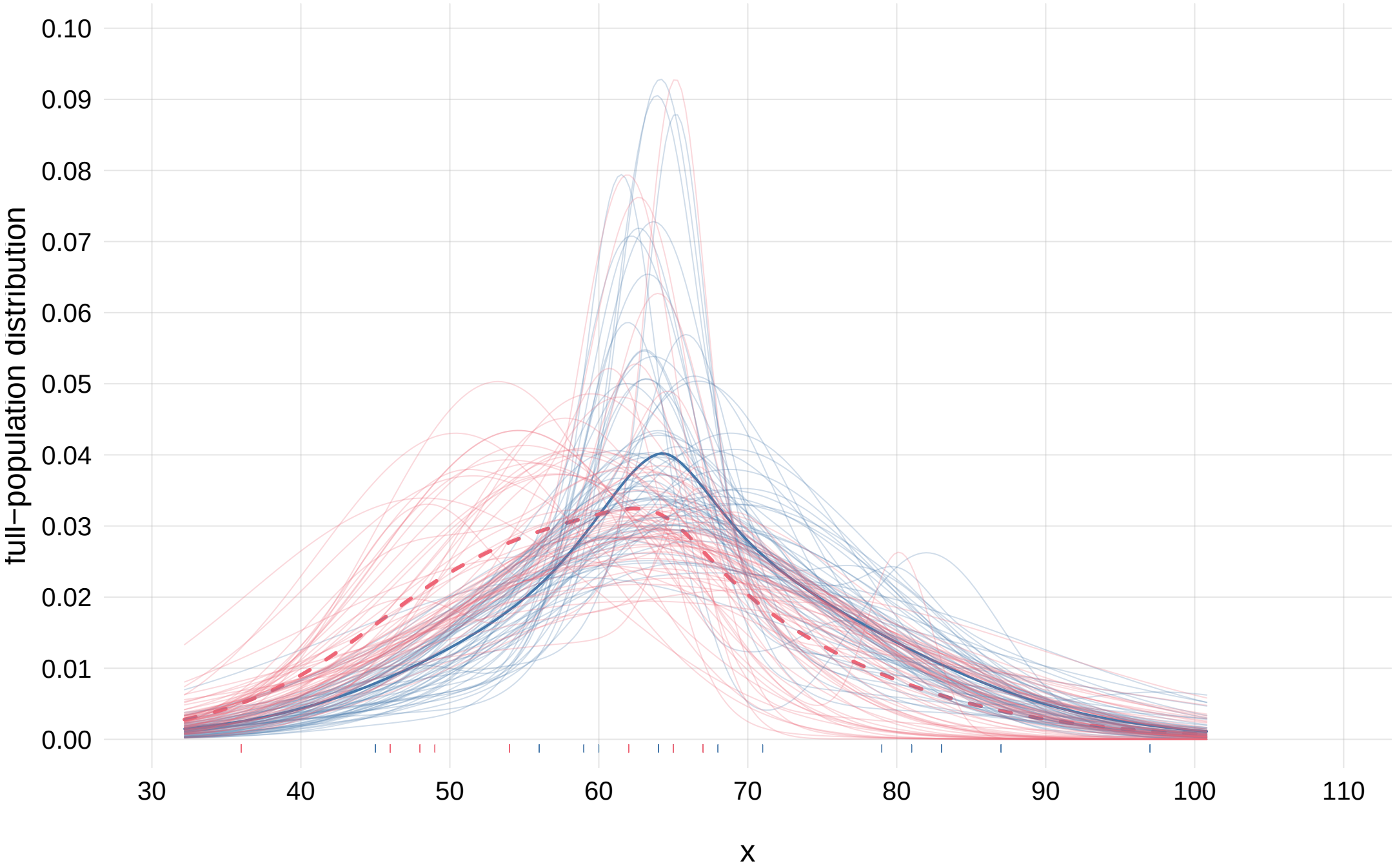

predicted distribution of full population
predictive distribution group A
25% uncertainty
75% uncertainty
predictive distribution group B
25% uncertainty
75% uncertainty
full−population distribution
0.060
0.055
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
30
40
50
60
70
80
90
100
110
x


predicted means of groups A and B
probability density
0.24
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
45
50
55
60
65
70
75
mean


predicted difference between means of groups A and B
probability density
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
−10
−5
0
5
10
15
20
25
30
(mean group A) − (mean group B)
expected difference: 5.1
−1 < difference < 17
with 95% probability
difference > 0
with 79% probability


predicted variances of groups A and B
probability density
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
0
100
200
300
400
500
600
700
800
variance


predicted difference between variances of groups A and B
expected difference: −8.4±95
−210 < difference < 190
with 95% probability
difference > 0
with 46% probability
probability density
0.0060
0.0055
0.0050
0.0045
0.0040
0.0035
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
−800
−600
−400
−200
0
200
400
600
(variance group A) − (variance group B)


0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
full−population distribution
30
40
50
60
70
80
90
100
110
x