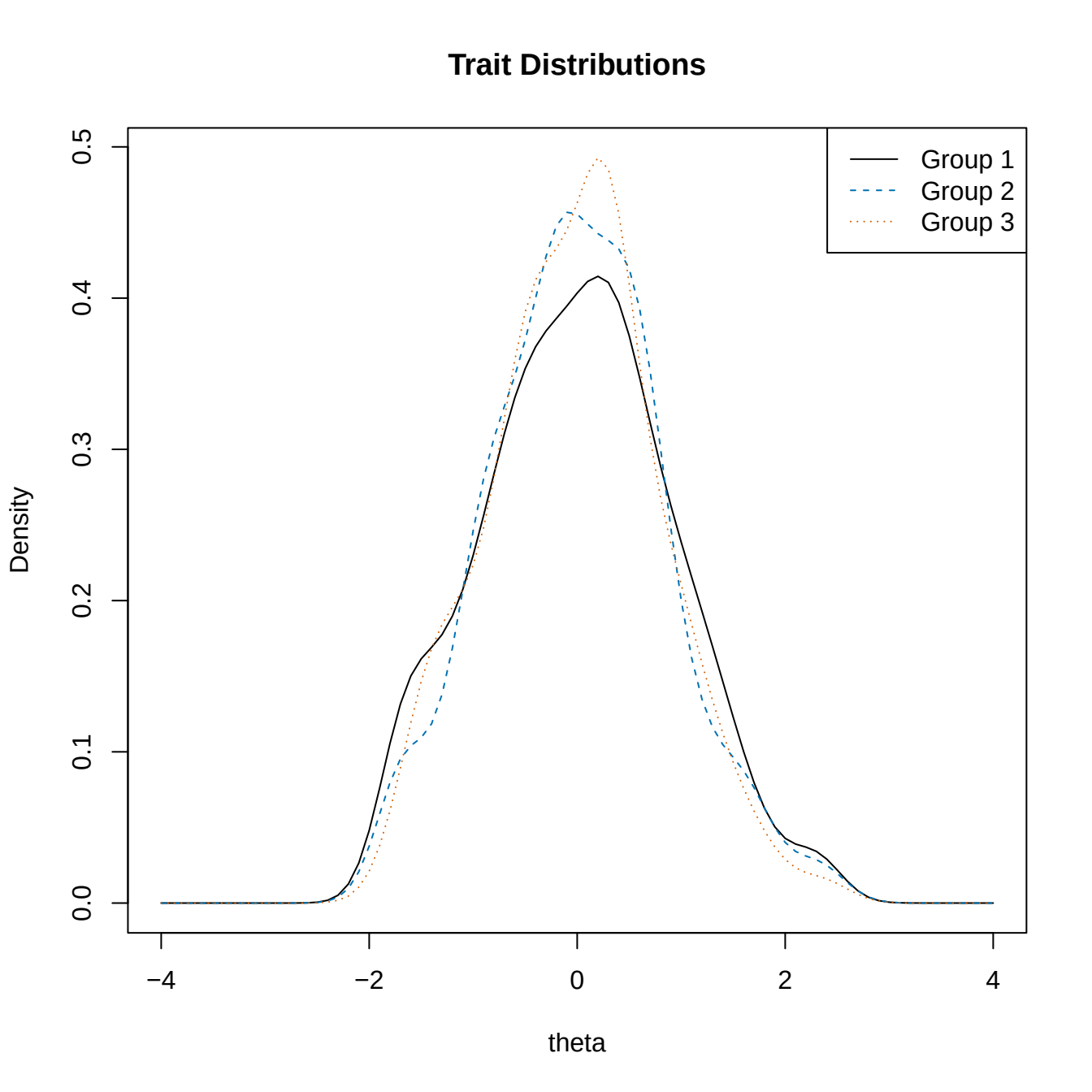
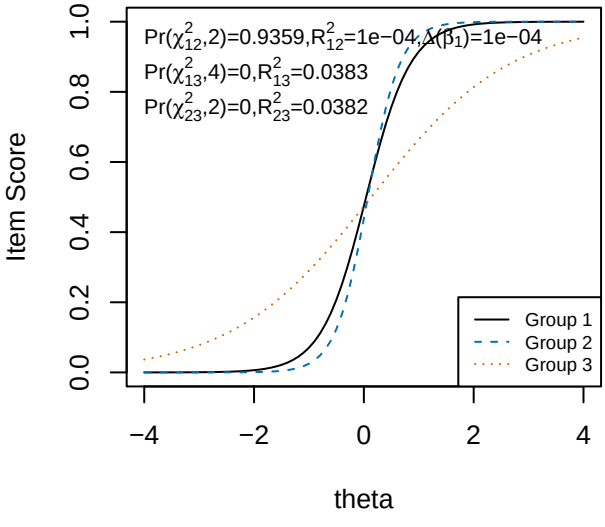
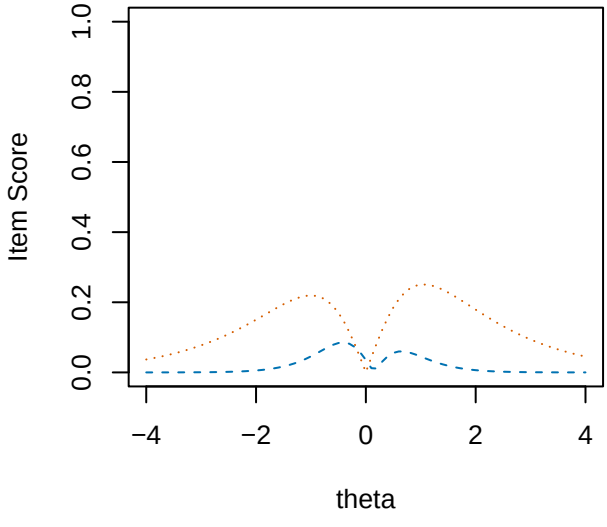

Trait Distributions
Group 1
Group 2
Group 3
Density
0.0
0.1
0.2
0.3
0.4
0.5
−4
−2
0
2
4
theta

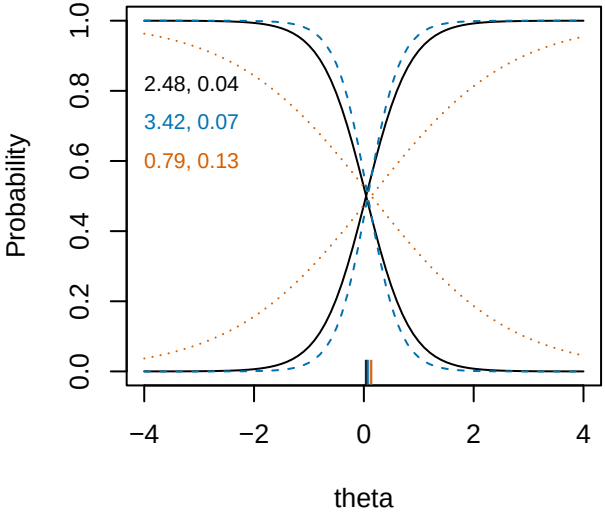
Item True Score Functions − Item 3



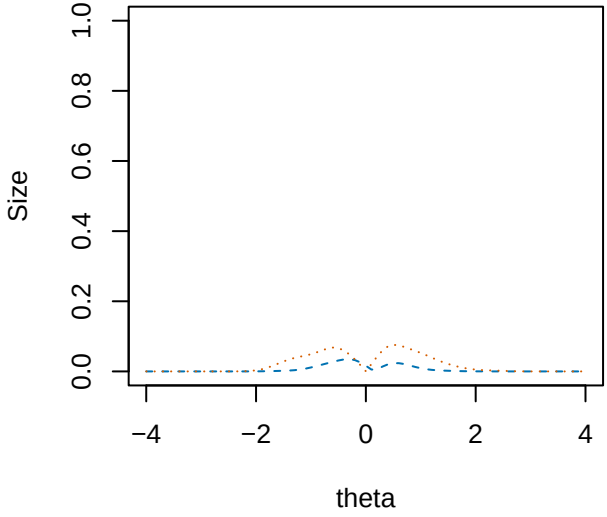
Differences in Item True Score Functions

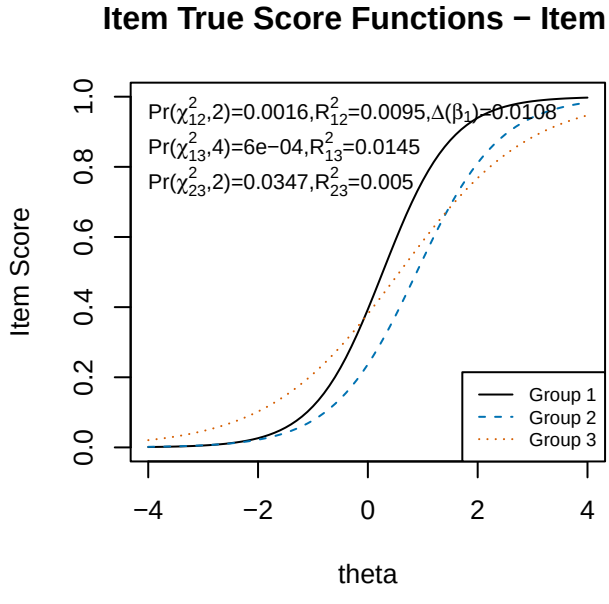


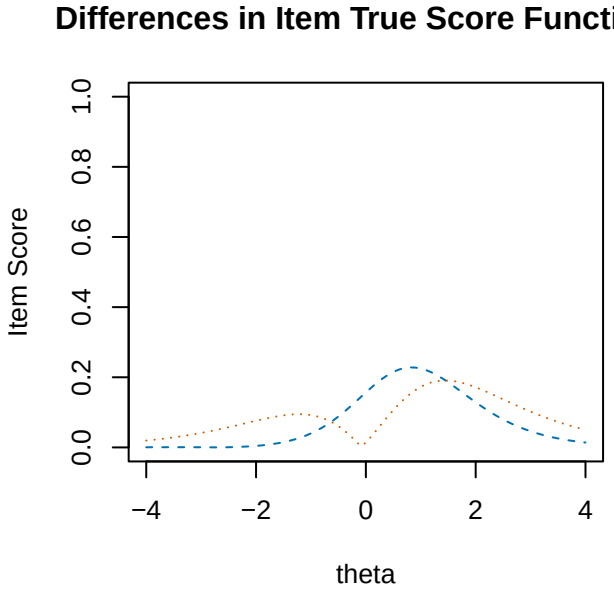
Item Response Functions

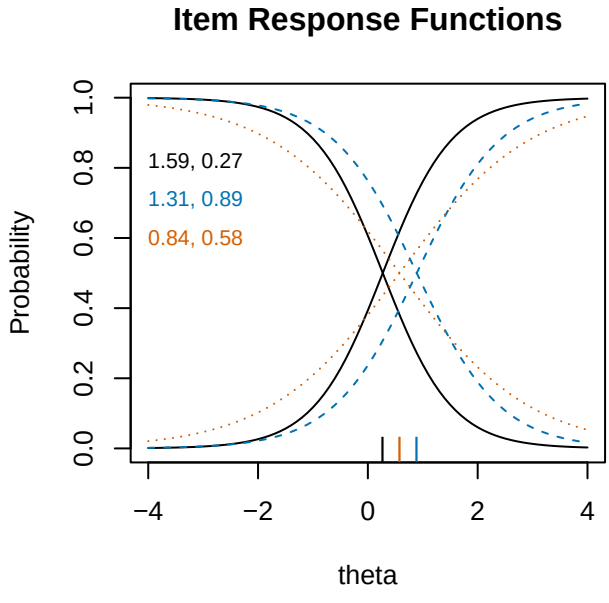


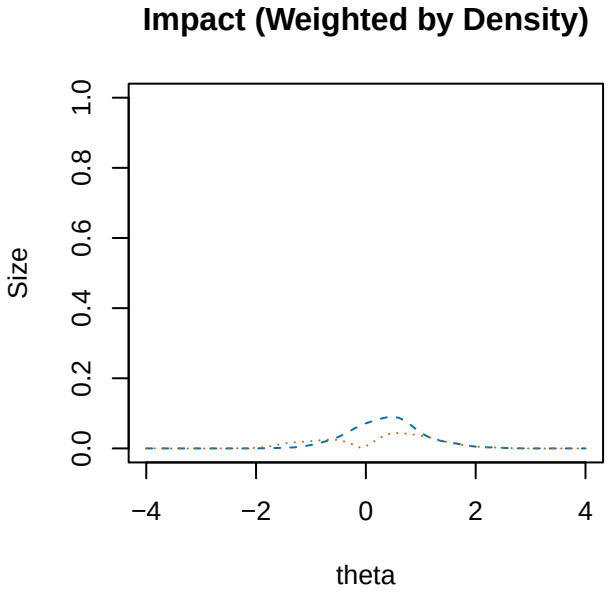
Impact (Weighted by Density)

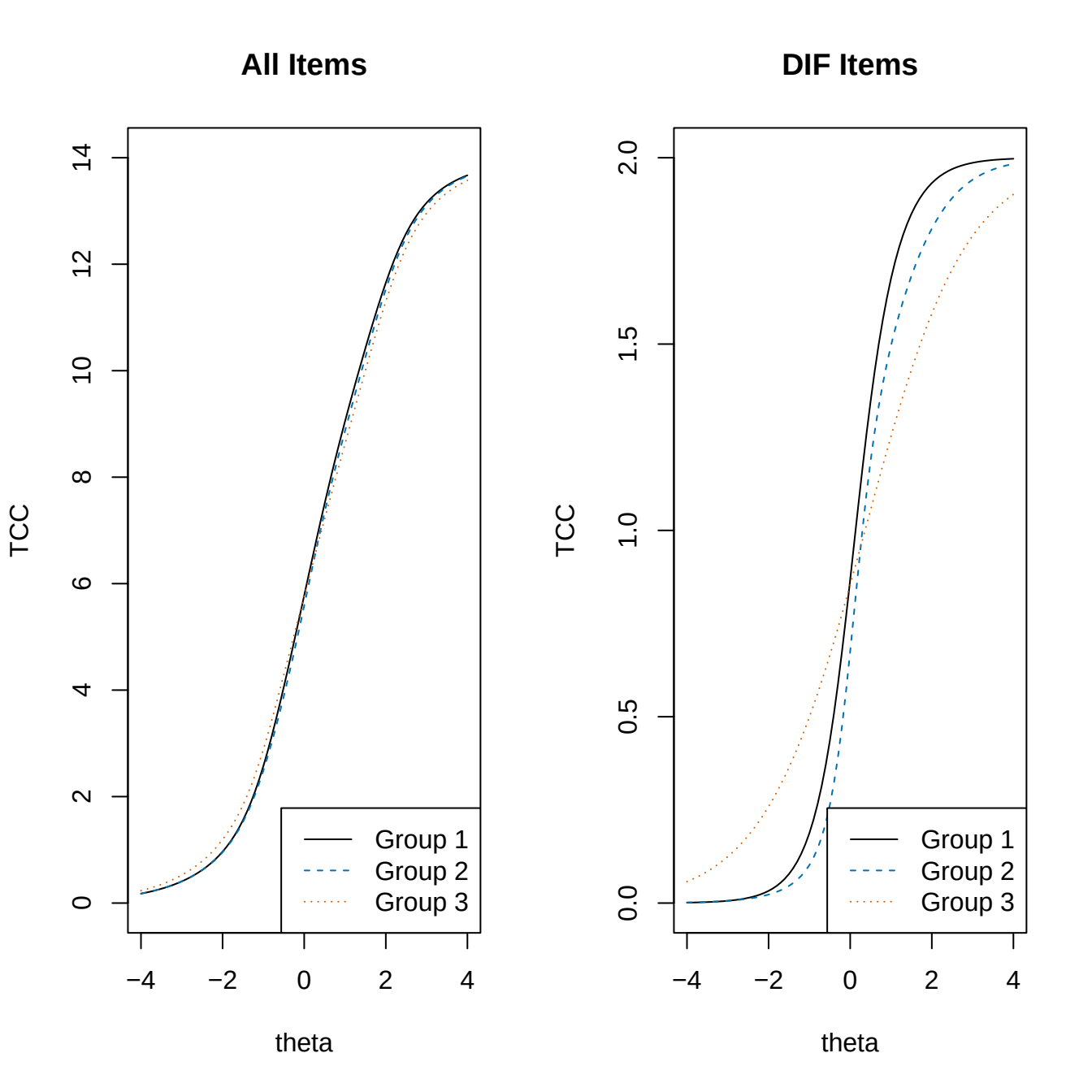


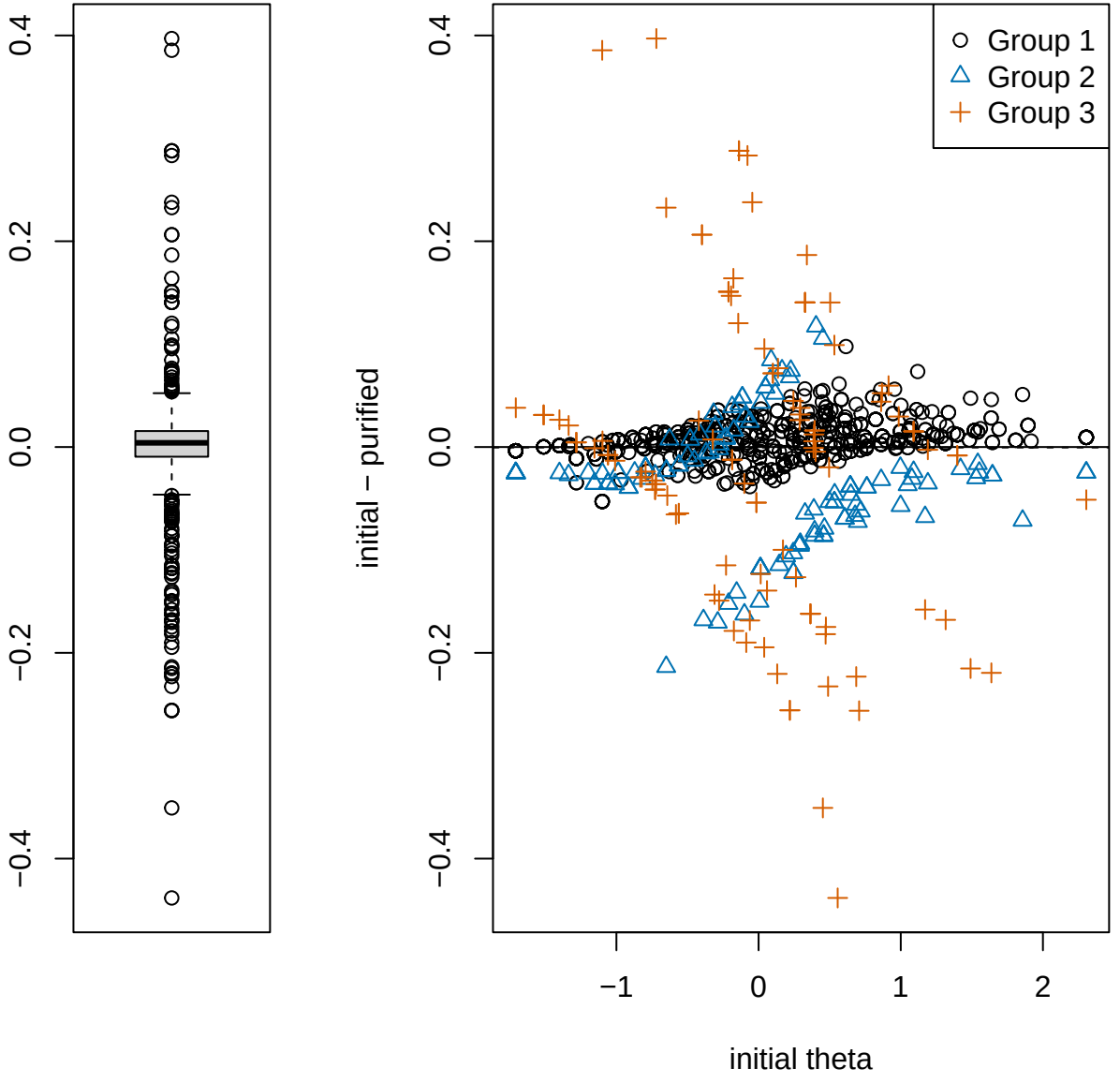

Item True Score Functions − Item 5
Pr(χ²12,2)=0.0016,R²12=0.0095,Δ(β1)=0.0108
Pr(χ²13,4)=6e−04,R²13=0.0145
Pr(χ²23,2)=0.0347,R²23=0.005
Group 1
Group 2
Group 3
Item Score
theta


Differences in Item True Score Functions
Item Score
theta


Item Response Functions
1.59, 0.27
1.31, 0.89
0.84, 0.58
Probability
theta


Impact (Weighted by Density)
Size
theta


All Items
TCC
0
2
4
6
8
10
12
14
−4
−2
0
2
4
theta
Group 1
Group 2
Group 3
DIF Items
TCC
0.0
0.5
1.0
1.5
2.0
−4
−2
0
2
4
theta
Group 1
Group 2
Group 3


0.4
0.2
0.0
−0.2
−0.4
initial − purified
Group 1
Group 2
Group 3
−1
0
1
2
initial theta