SimSum Score Distribution 400 -300 count 200 -100 -0 -5 10 20 15 25 SimSum.Score

2PL Expected Score Distribution 600 **-**400 -200 -0 -20 5 10 15 25 round(Est.ExpScore, 0)

Score vs Percentage Correct for Item1 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item2 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 10 25 15 20 Score

Score vs Percentage Correct for Item3 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item4 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item5 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item6 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -25 5 10 15 20 Score

Score vs Percentage Correct for Item7 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item8 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 10 25 15 20 Score

Score vs Percentage Correct for Item9 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 10 25 15 20 Score

Score vs Percentage Correct for Item10 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item11 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item12 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item13 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item14 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item15 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item16 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item17 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item18 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item19 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item20 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item21 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item22 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item23 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item24 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -5 25 10 15 20 Score

Score vs Percentage Correct for Item25 1.0 -0.9 -0.8 -0.7 -Percentage Correct Score.Type Est.Exp.Score SimSum.Total.Score 0.3 -0.2 -0.1 -0.0 -**5** 25 10 15 20 Score