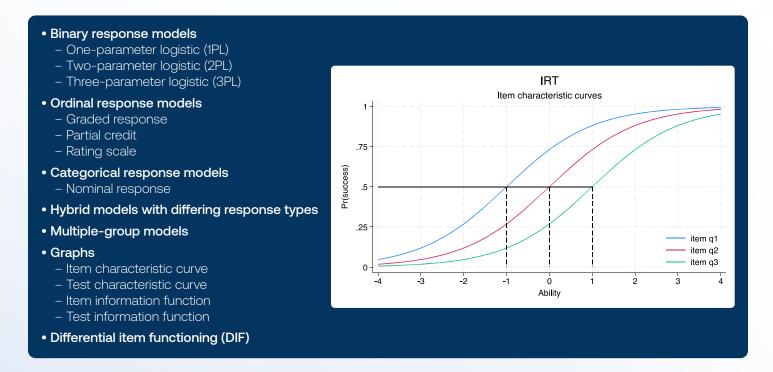
STATA Features

Item response theory (IRT)



Fit the model

1PL model for items q1-q8

. irt 1pl q1-q8

2PL model for q1-q8

. irt 2pl q1-q8

Partial credit model for q9-q15

. irt pcm q9-q15

Rating scale model for q9-q15

. irt rsm q9-q15

Graded response model for q9-q15

. irt grm q9-q15

Hybrid model

. irt (2pl q1-q8) (grm q9-q15)

Multiple-group model

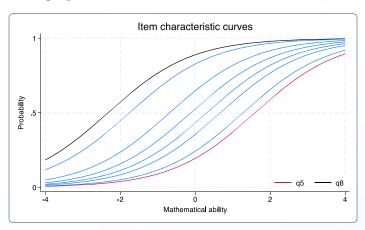
. irt 2pl q1-q8, group(grp)

● Vi	iewer - view ir		- 1		×				
view	rirt1.smcl >	(•
+						Dialog ▼ A	\lso see ▼	Jum	p to ▼
. ir	t 1pl q1-c	18							
One-parameter logistic model Number of obs = 800 Log likelihood = -3669.4715									
		Coefficient	Std. err.	z	P> z	[95% conf	. inter	rval]	ш
	Discrim	.8926881	.0497697	17.94	0.000	.7951412	.99	90235	-1
q1	Diff	6826695	.1000551	-6.82	0.000	8787739	48	36565	-1
q2	Diff	1177849	.0930488	-1.27	0.206	3001572	.064	15875	-1
q3	Diff	-1.754276	.1356766	-12.93	0.000	-2.020197	-1.48	38355	1
q4	Diff	.3101872	.0943281	3.29	0.001	.1253074	.49!	50669	1
q5	Diff	1.595213	.1288328	12.38	0.000	1.342705	1.84	17721	1
q6	Diff	.6694488	.0997334	6.71	0.000	.4739748	.864	19227	ı
q 7	Diff	1.279229	.1167531	10.96	0.000	1.050397	1.50	98061	
q8	Diff	-2.328184	.1640633	-14.19	0.000	-2.649742	-2.00	96625	
_							CAP N	IUM II	NS

Graph the results

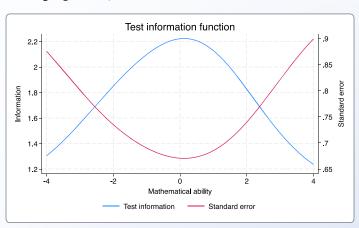
Item characteristic curves

. irtgraph icc ...



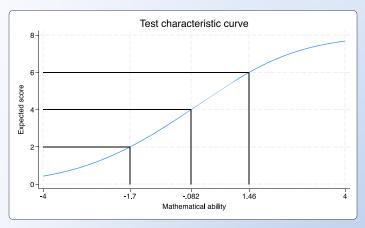
Test information function

. irtgraph tif, se



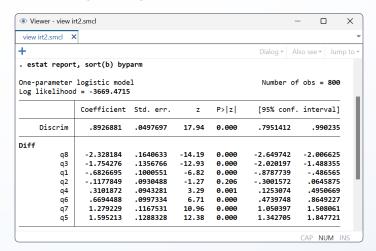
Test characteristic curve

. irtgraph tcc, scorelines(2 4 6)



Explore the results

Sort items by difficulty



Use commands or the IRT Control Panel

