Student Growth Percentile Goodness−of−Fit Descriptives
2012 Mathematics, Grade Progression 3−4 (N = 59,308)

Student Growth Percentile Range

Prior Scale Score Decile/Range*	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[150,348)	9.64	9.95	9.86	9.83	10.02	10.03	10.15	9.81	10.08	10.61	(9.9%)
2nd/[348,390)	9.49	9.81	10.25	10.01	10.12	9.74	9.66	10.46	10.15	10.32	(9.9%)
3rd/[390,419)	9.56	9.92	9.78	10.49	10.04	10.17	10.17	9.73	9.46	10.66	(10%)
4th/[419,442)	9.38	10.30	9.65	9.87	9.89	10.13	10.21	10.08	10.28	10.21	(9.9%)
5th/[442,464)	9.66	9.81	10.76	9.84	9.83	9.93	9.88	9.86	9.79	10.64	(10.1%)
6th/[464,484)	9.10	10.52	9.40	9.98	10.02	10.07	9.74	10.30	10.47	10.40	(9.7%)
7th/[484,507)	10.07	9.54	10.46	10.20	10.03	9.86	10.07	9.59	9.72	10.45	(10.4%)
8th/[507,533)	9.12	9.97	9.75	9.75	10.31	9.80	10.65	10.21	9.97	10.47	(9.9%)
9th/[533,570)	9.42	10.41	10.01	10.00	9.32	10.44	9.67	10.16	10.06	10.51	(10.2%)
10th/[570,700]	9.72	9.75	10.04	10.02	10.41	9.74	9.97	9.67	10.12	10.56	(10%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution