Student Growth Percentile Goodness−of−Fit Descriptives
2009 Mathematics Baseline, Grade Progression 4−5−6−7 (N = 53,560)

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/[240,444)	8.96	7.98	8.83	8.44	9.02	9.32	9.67	10.86	12.06	14.86	(9.9%)
2nd/[444,480)	6.16	7.59	7.35	8.26	9.61	10.39	11.12	11.76	12.62	15.14	(10.1%)
3rd/[480,504)	5.87	7.05	7.92	9.08	8.72	10.97	11.12	12.27	12.47	14.52	(10%)
4th/[504,523)	4.95	7.29	8.63	9.02	9.35	10.04	11.02	11.91	12.54	15.25	(9.5%)
5th/[523,542)	5.01	6.94	8.01	9.29	9.83	9.91	11.57	11.77	13.20	14.48	(10.3%)
6th/[542,560)	5.48	7.24	8.58	9.39	9.54	10.90	10.83	11.30	12.32	14.42	(10%)
7th/[560,579)	4.84	7.70	8.12	9.10	10.00	10.53	11.70	11.09	12.83	14.09	(10.2%)
8th/[579,600)	5.27	8.08	7.89	8.83	9.91	11.02	10.77	12.11	12.65	13.47	(9.8%)
9th/[600,630)	5.79	7.16	8.24	9.32	10.01	11.00	10.89	11.54	12.20	13.86	(10.2%)
10th/[630,830]	5.89	8.35	8.68	9.48	9.31	10.23	11.14	11.38	12.11	13.43	(10%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution