Student Growth Percentile Goodness−of−Fit Descriptives
2010 Mathematics, Grade Progression 4–5 (N = 45,024)

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/[163,279]	9.69	10.24	10.69	9.35	9.78	9.64	10.52	9.81	9.81	10.47	(9.3%)
2nd/[279,307]	9.46	9.82	9.57	11.16	9.22	10.78	8.77	10.87	9.82	10.53	(10%)
3rd/[307,330]	9.28	11.43	9.46	9.96	10.42	9.44	10.53	9.71	8.94	10.83	(9.7%)
4th/[330,351]	9.44	9.13	10.61	9.46	10.52	9.16	10.71	9.67	11.60	9.70	(9.4%)
5th/[351,370]	10.11	10.27	10.91	10.01	9.64	9.83	10.08	8.75	10.58	9.83	(9.5%)
6th/[370,394]	9.14	9.77	9.65	10.31	9.92	10.84	8.04	12.32	8.37	11.63	(11.6%)
7th/[394,410]	9.98	9.13	10.99	9.70	8.13	9.67	11.75	12.28	7.78	10.58	(7.1%)
8th/[410,443]	9.81	10.59	10.23	9.41	10.80	10.09	11.01	7.91	10.94	9.21	(12.6%)
9th/[443,482]	9.34	9.73	11.11	9.34	10.43	9.59	9.03	10.50	11.04	9.91	(9.8%)
10th/[482,600]	10.67	10.10	8.93	13.31	8.57	8.93	16.94	8.00	10.10	4.46	(11%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution / Empirical SGP Distribution