Student Growth Percentile Goodness−of−Fit Descriptives
2010 Science, Grade Progression 7−8 (N = 41,064)

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/[159,255)	10.08	9.44	10.11	10.46	9.93	10.16	9.44	10.00	10.03	10.36	(9.5%)
2nd/[255,270)	9.58	10.32	10.23	10.73	9.49	9.75	10.17	9.87	9.81	10.05	(8.2%)
3rd/[270,287)	9.21	10.23	10.78	8.46	9.96	10.36	10.42	10.30	9.44	10.84	(11.6%)
4th/[287,300)	10.20	9.99	10.17	10.66	10.31	7.58	9.36	10.17	11.24	10.31	(8.4%)
5th/[300,316)	9.20	10.51	8.81	11.10	10.82	9.54	10.73	9.58	9.45	10.26	(10.8%)
6th/[316,332)	10.13	10.20	10.37	8.95	11.31	10.44	9.07	9.41	9.89	10.23	(10.1%)
7th/[332,349)	9.20	9.30	10.71	10.15	8.59	10.76	11.94	10.12	8.82	10.40	(9.5%)
8th/[349,371)	9.61	10.39	10.53	9.86	10.92	8.13	10.32	9.68	9.57	10.99	(10.6%)
9th/[371,402)	9.25	10.18	9.74	10.32	9.62	10.49	9.25	10.86	10.86	9.43	(10.4%)
10th/[402,600)	9.91	10.05	9.89	10.86	9.24	10.03	10.09	10.16	9.40	10.36	(10.9%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution — Empirical SGP Distribution