Student Growth Percentile Goodness−of−Fit Descriptives
2010 Chemistry, Grade Progression 101−102 (N = 5,408)

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/[153,237]	9.93	9.36	8.80	11.99	8.61	11.42	9.55	9.74	9.93	10.67	(9.9%)
2nd/[237,254]	9.41	11.66	10.84	9.00	10.22	8.79	10.22	10.22	9.41	10.22	(9%)
3rd/[254,269]	10.85	11.44	8.88	8.48	9.86	11.83	9.66	9.07	10.26	9.66	(9.4%)
4th/[269,284]	8.71	8.71	9.26	12.52	9.07	9.26	9.98	11.25	9.80	11.43	(10.2%)
5th/[284,298]	9.02	11.68	9.84	9.02	10.66	11.07	10.25	9.02	8.61	10.86	(9%)
6th/[298,316]	9.17	8.18	11.95	11.78	9.82	10.15	9.66	9.49	11.13	8.67	(11.3%)
7th/[316,336]	10.71	11.66	9.37	8.22	10.52	9.37	9.75	9.56	8.99	11.85	(9.7%)
8th/[336,360]	10.54	9.82	8.75	10.36	9.64	8.21	10.18	11.96	10.18	10.36	(10.4%)
9th/[360,392]	8.82	9.76	10.32	10.69	10.69	10.32	9.01	9.94	9.94	10.51	(9.9%)
10th/[392,600]	9.80	9.64	9.97	9.80	10.95	9.80	10.29	9.97	9.97	9.80	(11.3%)

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

QQ−Plot: Student Growth Percentiles

Theoretical SGP Distribution
Empirical SGP Distribution