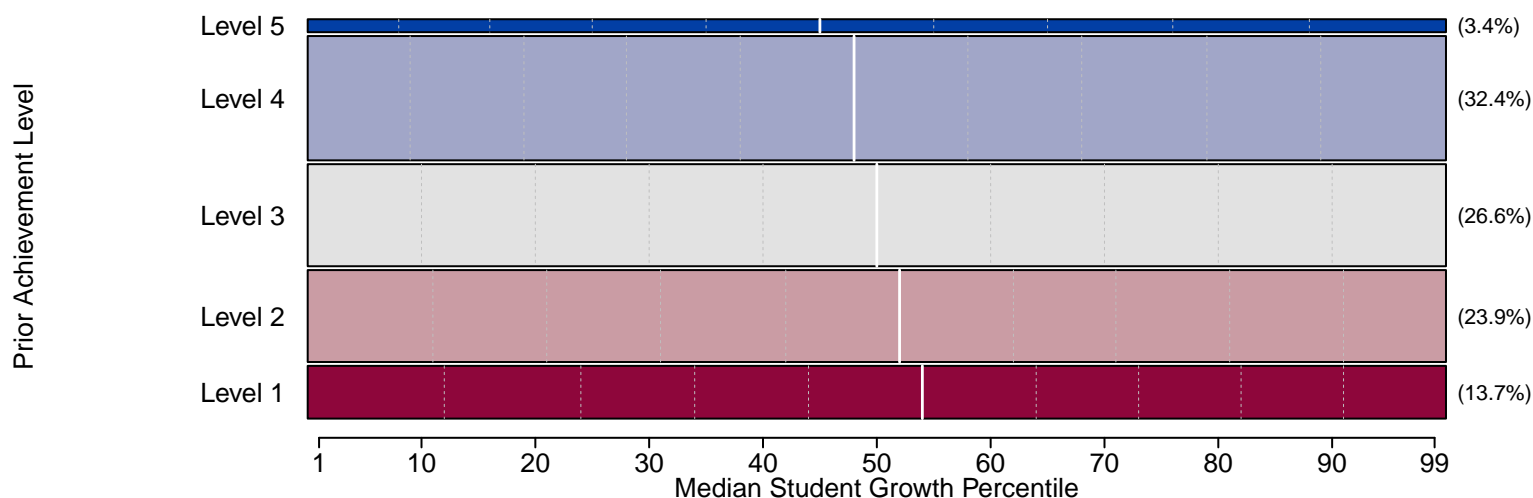# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Mathematics SS SGP SIMEX Ranked, Grade 5 (N = 393,845)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level / Median Student Growth Percentile

Level	Percentage
Level 5	(3.4%)
Level 4	(32.4%)
Level 3	(26.6%)
Level 2	(23.9%)
Level 1	(13.7%)

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range) — Student Growth Percentile Range

		1 to 5	5 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 94	95 to 99	
Lowest OSS:	[650]	73.9	19.2	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1249
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	9.1	13.3	13.3	63.3	N = 330

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/[650,694)	7.37	8.99	9.26	9.82	9.80	10.42	10.42	10.99	11.03	11.90	(9.7%)
2nd/[694,708)	7.95	9.14	9.57	9.60	10.10	10.15	10.19	10.83	10.71	11.77	(10%)
3rd/[708,718)	8.71	9.40	9.83	9.78	9.82	10.06	10.20	10.47	10.31	11.42	(9.8%)
4th/[718,727)	9.15	10.04	10.01	9.75	9.97	10.16	9.82	10.04	9.98	11.09	(9.6%)
5th/[727,736)	9.71	10.10	9.92	10.07	9.87	10.00	9.87	10.17	9.92	10.39	(9.4%)
6th/[736,746)	9.45	10.02	10.02	10.02	10.01	10.04	10.04	10.08	10.09	10.23	(11.3%)
7th/[746,755)	9.92	10.29	10.08	9.93	10.19	9.85	9.72	10.03	9.56	10.43	(9.1%)
8th/[755,765)	10.23	10.35	10.19	9.73	10.10	9.82	9.73	9.53	9.59	10.73	(10.4%)
9th/[765,779)	10.80	10.64	10.43	9.95	9.89	9.84	9.79	9.80	9.16	9.70	(9.9%)
10th/[779,850]	11.35	10.95	10.68	10.48	10.10	9.88	9.40	9.50	8.92	8.74	(10.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution / Empirical SGP Distribution