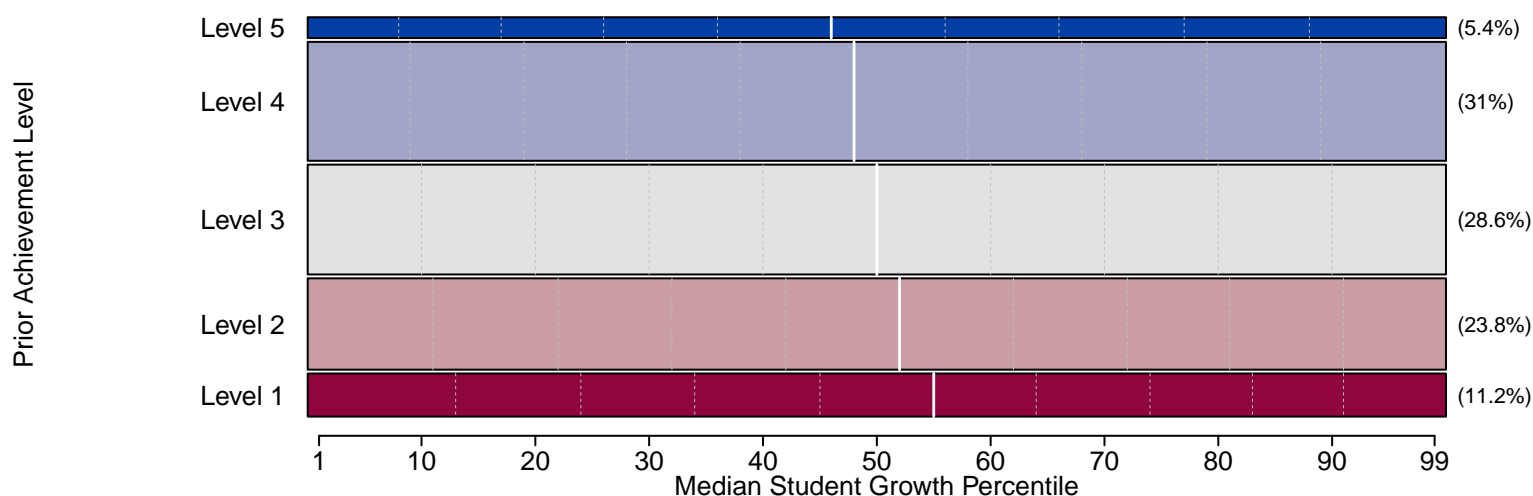# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Mathematics SS SGP SIMEX Ranked, Grade 6 (N = 383,884)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level

Level	Percent
Level 5	(5.4%)
Level 4	(31%)
Level 3	(28.6%)
Level 2	(23.8%)
Level 1	(11.2%)

Median Student Growth Percentile

Ceiling / Floor Effects Test

Student Growth Percentile Range

Current Observed Score Extremes (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]	75.7	14.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 1740
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	12.8	14.6	68.2	N = 336

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/[650,697)	7.14	9.21	9.13	9.51	9.91	10.23	10.51	10.78	11.04	12.55	(9.7%)
2nd/[697,711)	8.06	8.97	9.82	9.43	10.02	10.25	10.12	10.71	10.68	11.93	(10.1%)
3rd/[711,721)	8.50	9.19	9.84	10.06	9.92	10.21	10.15	10.37	10.24	11.51	(10.2%)
4th/[721,729)	9.43	9.78	9.96	10.06	10.03	9.82	9.91	10.27	9.96	10.78	(8.9%)
5th/[729,738)	9.50	9.72	10.11	10.12	10.05	10.05	9.97	9.80	10.13	10.56	(10.9%)
6th/[738,746)	9.69	10.47	9.89	10.01	10.01	9.70	10.17	9.94	10.00	10.12	(9.3%)
7th/[746,755)	10.03	10.56	9.97	10.03	9.93	10.01	10.31	9.62	9.46	10.08	(10.6%)
8th/[755,765)	10.50	10.31	10.52	10.08	9.96	9.75	9.71	9.35	9.27	10.54	(9.8%)
9th/[765,779)	10.74	10.32	10.22	10.11	9.73	9.89	10.24	9.69	9.30	9.75	(9.9%)
10th/[779,850]	11.37	11.04	10.61	10.19	9.73	9.88	9.65	9.58	9.43	8.53	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution