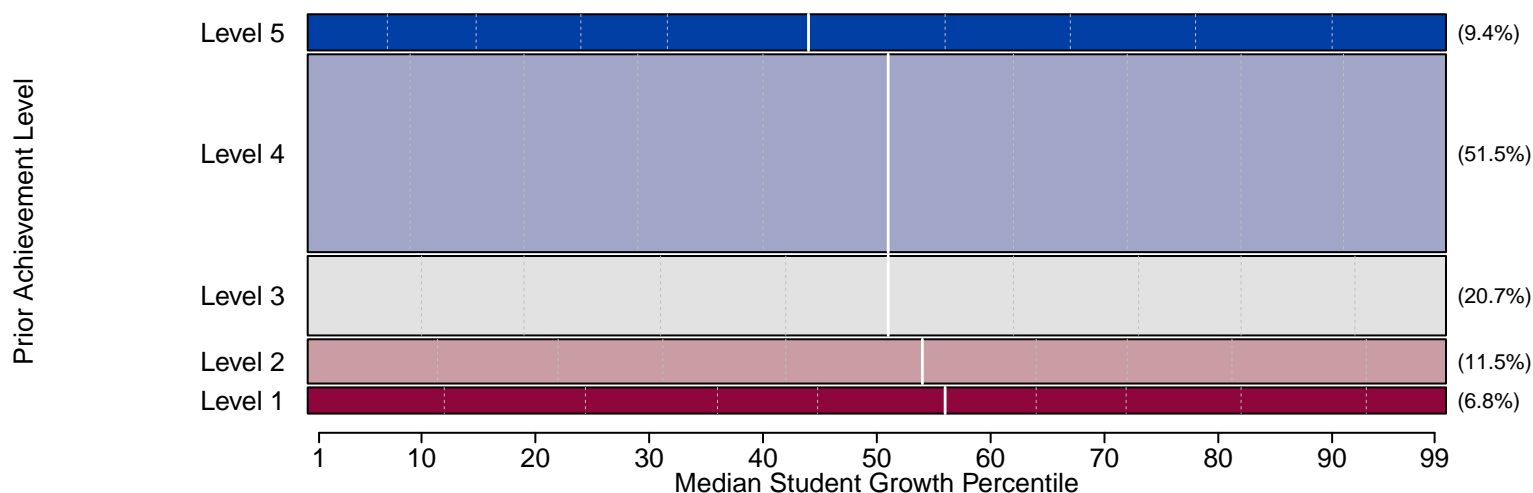# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Geometry SS SGP SIMEX, Grade EOCT (N = 3,340)

SGP Deciles by Prior Achievement Level (Mathematics SS)

Prior Achievement Level	
Level 5	(9.4%)
Level 4	(51.5%)
Level 3	(20.7%)
Level 2	(11.5%)
Level 1	(6.8%)

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:	[650,682)	65.4	19.2	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 26
	[682,689]	37.0	18.5	25.9	7.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 27
Highest OSS:	[786,790)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	17.4	8.7	4.3	60.9	N = 23
	[790,813]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	22.2	51.9	N = 27

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/[650,708)	7.51	9.01	8.11	9.61	8.41	9.31	13.21	10.21	11.71	12.91	(10%)
2nd/[708,727)	9.34	8.73	10.84	9.94	7.23	8.43	12.95	8.43	9.04	15.06	(9.9%)
3rd/[727,740)	8.77	8.12	8.44	10.39	9.74	9.74	8.77	11.69	12.01	12.34	(9.2%)
4th/[740,750)	9.97	12.99	7.85	7.25	12.99	8.46	10.88	7.25	8.46	13.90	(9.9%)
5th/[750,758)	10.36	11.33	9.71	8.41	8.74	10.68	10.68	9.06	10.68	10.36	(9.3%)
6th/[758,767)	10.29	8.44	10.82	7.39	9.23	10.55	8.44	9.76	11.08	13.98	(11.3%)
7th/[767,775)	11.63	9.63	9.30	9.63	8.64	10.30	10.96	12.29	6.98	10.63	(9%)
8th/[775,785)	12.06	10.19	9.65	7.51	9.38	10.72	8.04	9.65	9.12	13.67	(11.2%)
9th/[785,799)	9.43	8.81	12.26	9.75	8.49	5.97	11.01	11.64	11.64	11.01	(9.5%)
10th/[799,850)	12.36	10.67	12.92	8.43	9.55	8.43	10.96	7.02	8.15	11.52	(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