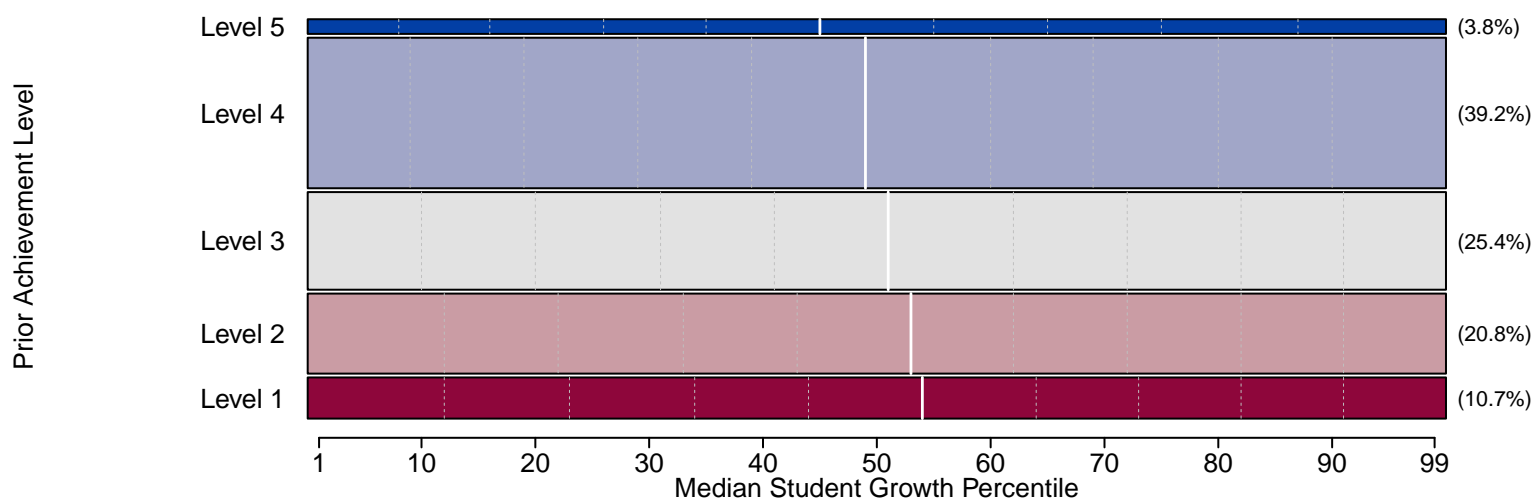# Student Growth Percentile Goodness–of–Fit Descriptives
2016–2017.2 Geometry SS SGP SIMEX Ranked, Grade EOCT (N = 114,174)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level

Level 5	(3.8%)
Level 4	(39.2%)
Level 3	(25.4%)
Level 2	(20.8%)
Level 1	(10.7%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

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]	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 183
Highest OSS:	[824,829)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	21.7	52.2	N = 23
	[829,850]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	80.0	N = 40

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/[650,699)	8.08	8.77	9.21	9.85	9.34	10.32	10.72	10.43	11.34	11.93	(9.7%)
2nd/[699,711)	7.65	9.15	9.08	9.80	10.18	10.43	10.05	10.17	10.77	12.72	(9.9%)
3rd/[711,722)	8.37	9.16	9.73	9.96	10.01	9.84	10.33	10.15	10.48	11.95	(9.5%)
4th/[722,733)	9.25	9.59	9.48	9.86	9.43	9.88	10.47	10.07	10.04	11.93	(10.3%)
5th/[733,743)	9.21	9.48	9.65	10.07	9.71	9.57	9.98	10.01	10.43	11.89	(9.9%)
6th/[743,752)	9.66	9.77	10.59	9.31	9.71	9.38	10.06	9.60	11.01	10.91	(9.9%)
7th/[752,763)	10.12	9.75	9.80	9.52	9.94	9.00	9.96	10.53	9.84	11.53	(10.8%)
8th/[763,774)	9.80	10.27	9.27	10.40	9.62	9.68	9.95	9.74	10.31	10.96	(9.6%)
9th/[774,789)	10.16	10.50	10.34	10.21	9.88	9.60	10.60	9.43	9.90	9.38	(9.9%)
10th/[789,850]	11.31	10.87	11.45	9.70	10.62	9.60	9.90	8.99	8.77	8.81	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution