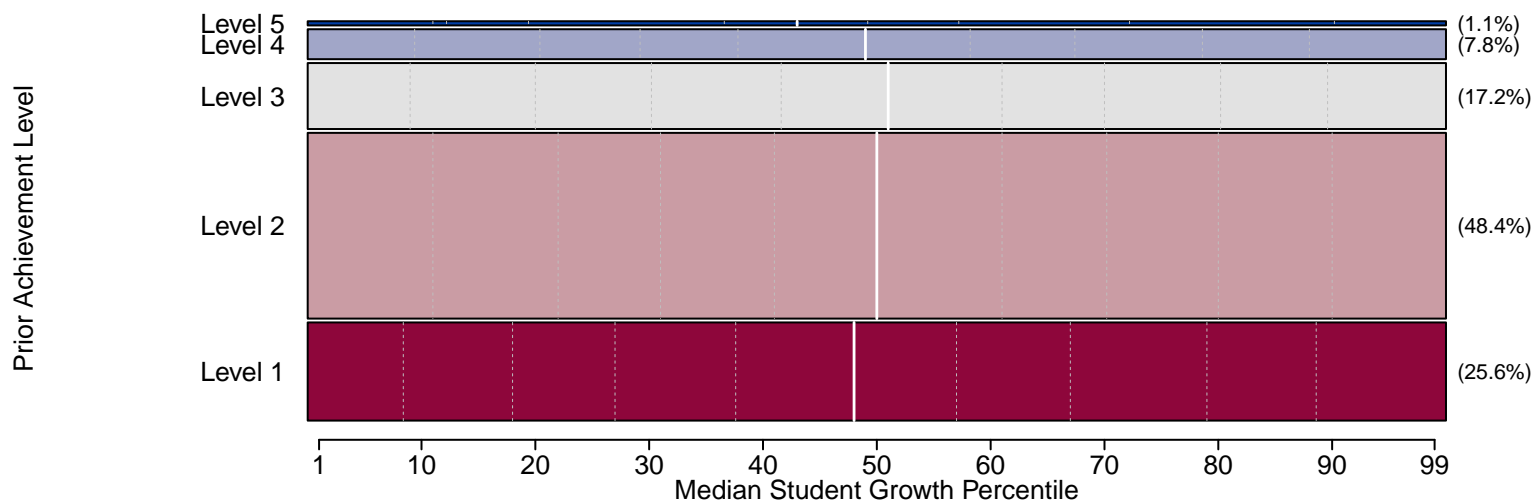# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016.2 Algebra I SS SGP, Grade EOCT (N = 1,193)

SGP Deciles by Prior Achievement Level (Geometry SS)

Prior Achievement Level

Level	(%)
Level 5	(1.1%)
Level 4	(7.8%)
Level 3	(17.2%)
Level 2	(48.4%)
Level 1	(25.6%)

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:	[650,656)	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 = 21
	[656,669]	82.8	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 29
Highest OSS:	[797,815)	0.0	3.7	7.4	7.4	7.4	7.4	11.1	3.7	14.8	18.5	11.1	7.4	N = 27
	[815,850]	3.4	0.0	3.4	3.4	3.4	10.3	6.9	17.2	13.8	13.8	13.8	10.3	N = 29

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/[650,687)	11.86	8.47	10.17	9.32	9.32	10.17	11.02	11.02	9.32	9.32	(9.9%)
2nd/[687,695)	7.44	13.22	11.57	12.40	9.09	9.09	9.09	5.79	11.57	10.74	(10.1%)
3rd/[695,702)	11.93	9.17	6.42	9.17	11.93	14.68	8.26	8.26	10.09	10.09	(9.1%)
4th/[702,707)	7.32	8.94	7.32	10.57	12.20	8.94	8.13	16.26	6.50	13.82	(10.3%)
5th/[707,711)	8.93	8.93	14.29	8.93	8.93	6.25	12.50	10.71	13.39	7.14	(9.4%)
6th/[711,716)	13.22	9.09	9.92	9.92	7.44	9.92	14.05	7.44	11.57	7.44	(10.1%)
7th/[716,722)	7.09	15.75	12.60	7.87	7.87	14.17	6.30	10.24	7.87	10.24	(10.6%)
8th/[722,731)	9.17	5.00	7.50	12.50	12.50	9.17	9.17	10.83	10.83	13.33	(10.1%)
9th/[731,747)	10.74	11.57	11.57	9.92	7.44	9.09	9.92	9.09	11.57	9.09	(10.1%)
10th/[747,813]	10.74	9.92	9.92	9.09	11.57	9.92	10.74	10.74	7.44	9.92	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution