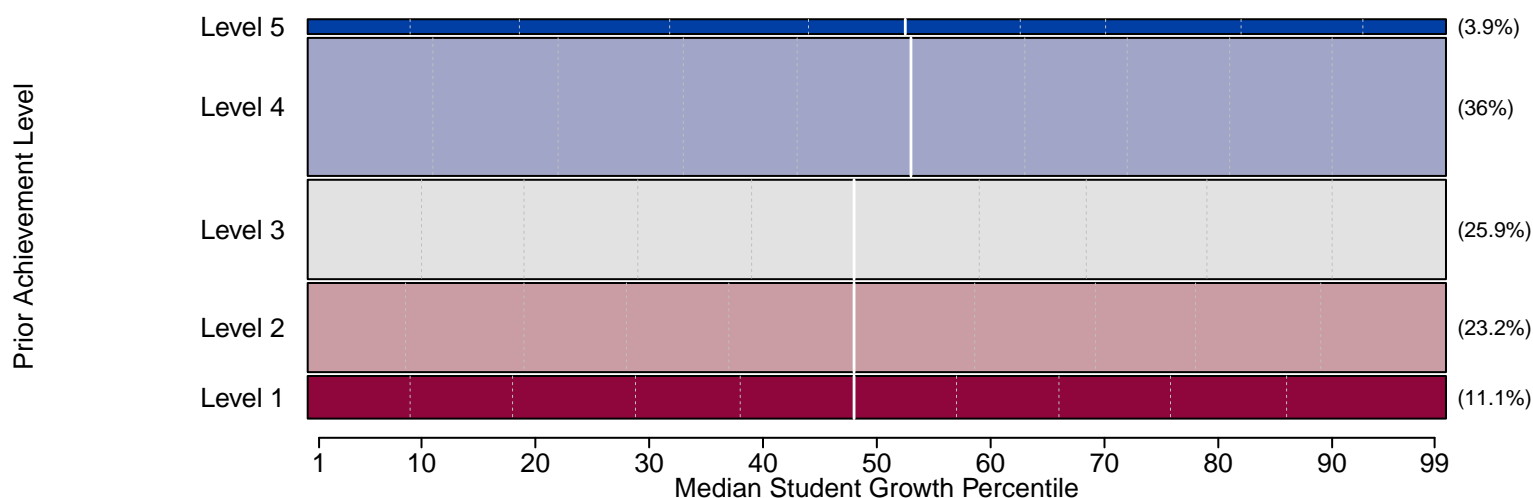# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.1 Geometry SS SGP, Grade EOCT (N = 3,218)

SGP Deciles by Prior Achievement Level (Algebra I SS)

Prior Achievement Level (vs. Median Student Growth Percentile):
- Level 5 (3.9%)
- Level 4 (36%)
- Level 3 (25.9%)
- Level 2 (23.2%)
- Level 1 (11.1%)

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:	[650,665]	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 = 9
	[665,675]	84.8	8.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 46
Highest OSS:	[787,791]	0.0	0.0	0.0	4.2	0.0	0.0	4.2	16.7	8.3	25.0	20.8	20.8	N = 24
	[791,811]	0.0	0.0	0.0	0.0	6.5	3.2	3.2	0.0	12.9	9.7	22.6	41.9	N = 31

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/[650,698]	10.56	9.32	10.25	10.25	10.56	10.87	11.18	9.32	8.70	9.01	(10%)
2nd/[698,710]	11.84	10.59	10.90	9.66	10.59	11.53	9.66	12.15	5.92	7.17	(10%)
3rd/[710,719]	10.42	9.38	13.54	11.81	10.42	6.94	5.90	7.64	12.15	11.81	(8.9%)
4th/[719,729]	9.69	10.54	8.55	9.69	9.97	11.68	10.83	12.25	7.41	9.40	(10.9%)
5th/[729,739]	9.09	6.73	10.77	10.10	9.76	10.10	10.77	11.11	10.44	11.11	(9.2%)
6th/[739,749]	11.18	12.69	10.57	8.46	10.88	8.46	9.37	9.67	8.46	10.27	(10.3%)
7th/[749,761]	9.23	8.63	8.63	8.93	10.71	10.42	12.50	9.23	11.01	10.71	(10.4%)
8th/[761,772]	10.03	8.15	7.52	7.84	9.09	10.66	8.46	10.34	12.54	15.36	(9.9%)
9th/[772,787]	8.10	9.66	11.53	11.21	9.03	9.97	9.97	10.90	11.21	8.41	(10%)
10th/[787,850]	10.24	7.83	9.94	10.24	9.64	9.64	10.54	10.84	10.54	10.54	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (x-axis) vs. Empirical SGP Distribution (y-axis)