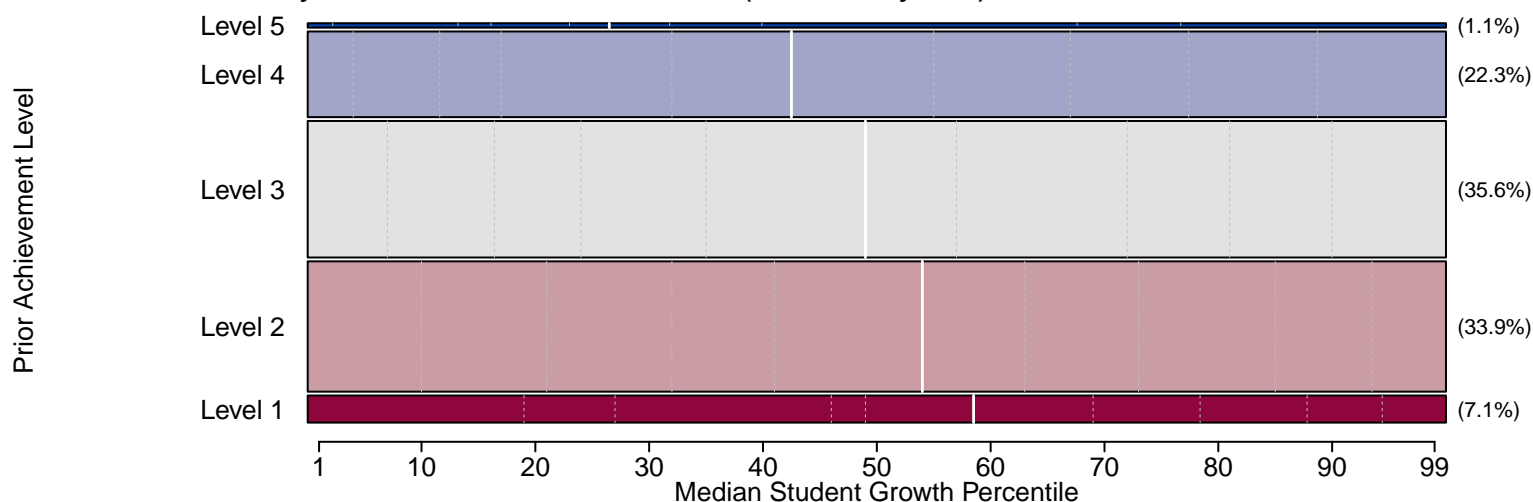# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.1 Algebra II SS SGP SIMEX, Grade EOCT (N = 1,049)

SGP Deciles by Prior Achievement Level (Geometry SS)

Prior Achievement Level	
Level 5	(1.1%)
Level 4	(22.3%)
Level 3	(35.6%)
Level 2	(33.9%)
Level 1	(7.1%)

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]	40.4	27.7	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 47
	(650,659]	0.0	28.6	28.6	42.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 7
Highest OSS:	[788,795]	0.0	0.0	8.7	8.7	8.7	4.3	8.7	4.3	26.1	17.4	0.0	13.0	N = 23
	[795,828]	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6	10.7	35.7	10.7	25.0	N = 28

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/[650,700)	0.00	14.86	9.46	0.00	18.92	6.76	10.81	9.46	10.81	18.92	(7.1%)
2nd/[700,709)	11.90	5.95	10.71	15.48	0.00	14.29	10.71	10.71	7.14	13.10	(8%)
3rd/[709,716)	10.71	4.46	13.39	4.46	12.50	8.04	11.61	7.14	10.71	16.96	(10.7%)
4th/[716,723)	5.61	9.35	12.15	11.21	3.74	12.15	7.48	13.08	9.35	15.89	(10.2%)
5th/[723,731)	10.87	7.97	8.70	8.70	10.87	12.32	7.97	7.97	10.14	14.49	(13.2%)
6th/[731,736)	14.74	12.63	11.58	5.26	5.26	11.58	8.42	9.47	5.26	15.79	(9.1%)
7th/[736,744)	11.57	7.44	12.40	7.44	10.74	14.88	2.48	13.22	8.26	11.57	(11.5%)
8th/[744,753)	9.62	13.46	13.46	7.69	14.42	7.69	2.88	7.69	13.46	9.62	(9.9%)
9th/[753,763)	12.12	16.16	8.08	9.09	10.10	9.09	12.12	5.05	6.06	12.12	(9.4%)
10th/[763,792)	13.04	20.87	5.22	9.57	6.96	8.70	4.35	12.17	13.04	6.09	(11%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution / Empirical SGP Distribution