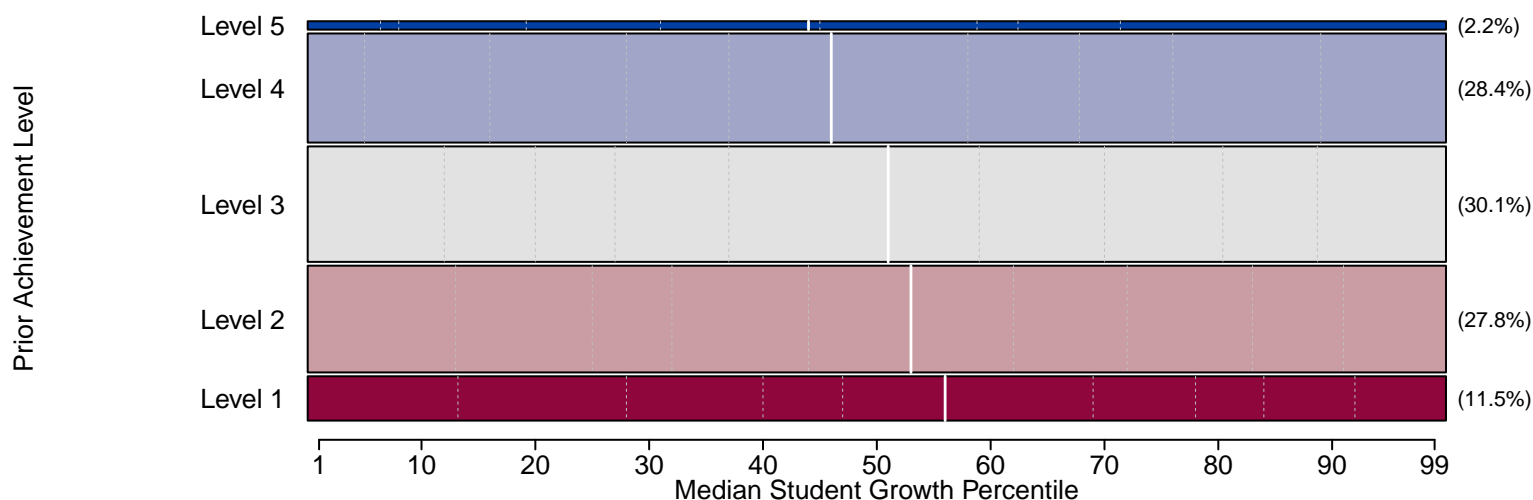# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 Algebra II SS SGP SIMEX Ranked, Grade EOCT (N = 1,144)

SGP Deciles by Prior Achievement Level (Geometry SS)

Prior Achievement Level:

- Level 5 (2.2%)
- Level 4 (28.4%)
- Level 3 (30.1%)
- Level 2 (27.8%)
- Level 1 (11.5%)

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]	24.4	39.0	36.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 41
	(650,659)	0.0	21.1	78.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 19
Highest OSS:	[794,800)	0.0	0.0	9.1	4.5	4.5	9.1	9.1	13.6	4.5	13.6	13.6	18.2	N = 22
	[800,850]	0.0	0.0	0.0	0.0	0.0	12.5	3.1	28.1	12.5	6.2	15.6	21.9	N = 32

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/[650,696)	9.41	9.41	8.24	7.06	20.00	8.24	5.88	10.59	11.76	9.41	(7.4%)
2nd/[696,709)	0.00	18.44	9.93	4.96	6.38	12.77	9.22	12.06	12.06	14.18	(12.3%)
3rd/[709,717)	2.47	9.88	12.35	9.88	9.88	11.11	9.88	11.11	6.17	17.28	(7.1%)
4th/[717,726)	6.99	9.09	8.39	9.79	9.79	13.99	11.19	6.99	13.29	10.49	(12.5%)
5th/[726,734)	6.54	11.21	11.21	11.21	8.41	13.08	9.35	13.08	10.28	5.61	(9.4%)
6th/[734,742)	8.11	10.81	7.21	9.01	7.21	10.81	9.91	11.71	13.51	11.71	(9.7%)
7th/[742,750)	11.90	7.94	16.67	11.11	7.94	10.32	6.35	6.35	9.52	11.90	(11%)
8th/[750,759)	10.89	6.93	8.91	13.86	12.87	7.92	14.85	10.89	2.97	9.90	(8.8%)
9th/[759,768)	15.83	10.00	12.50	8.33	9.17	6.67	9.17	8.33	11.67	8.33	(10.5%)
10th/[768,807)	20.16	4.65	6.20	13.95	10.85	6.20	12.40	11.63	6.20	7.75	(11.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution