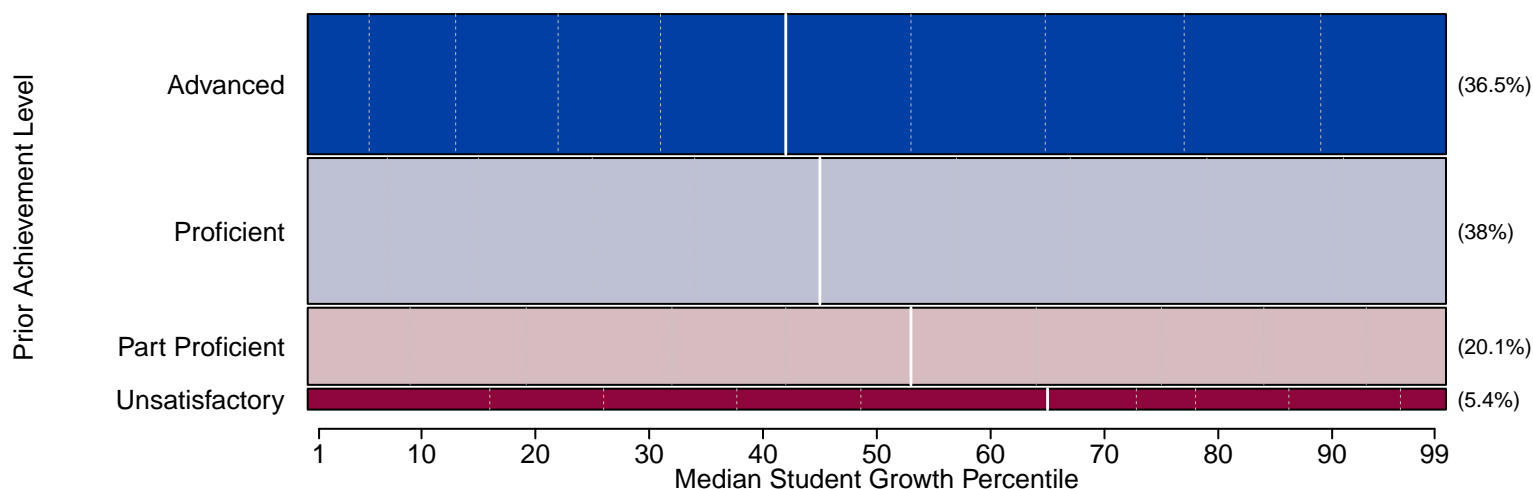# Student Growth Percentile Goodness–of–Fit Descriptives

2015–2016 Mathematics SGP SIMEX, Grade 6 (N = 4,042)

SGP Deciles by Prior Achievement Level (Mathematics)

Prior Achievement Level	
Advanced	(36.5%)
Proficient	(38%)
Part Proficient	(20.1%)
Unsatisfactory	(5.4%)

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:	[240,346)	40.0	8.0	20.0	0.0	12.0	0.0	8.0	4.0	4.0	0.0	4.0	0.0	N = 25
	[346,375]	28.0	8.0	20.0	8.0	12.0	4.0	0.0	0.0	12.0	0.0	4.0	4.0	N = 25
Highest OSS:	[716,731)	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	18.2	18.2	27.3	31.8	N = 22
	[731,830]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	10.3	10.3	75.9	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/[247,446)	8.06	9.07	7.05	11.84	8.06	6.80	9.32	13.10	10.33	16.37	(9.8%)
2nd/[446,480)	10.12	10.62	8.40	7.41	10.37	9.14	8.89	9.38	11.36	14.32	(10%)
3rd/[480,503)	10.32	9.83	9.09	9.58	8.85	9.34	7.86	9.58	11.55	14.00	(10.1%)
4th/[503,523)	12.66	10.92	11.91	11.17	7.94	9.68	8.44	8.68	7.94	10.67	(10%)
5th/[523,539)	10.12	9.88	10.37	8.64	11.36	9.63	8.64	10.37	8.64	12.35	(10%)
6th/[539,555)	17.09	11.56	10.80	8.79	7.29	8.79	7.04	9.05	8.79	10.80	(9.8%)
7th/[555,573)	15.78	11.89	10.19	9.22	7.77	11.41	6.31	9.71	7.04	10.68	(10.2%)
8th/[573,595)	16.02	11.37	10.08	8.53	9.30	8.79	8.53	7.75	11.11	8.53	(9.6%)
9th/[595,627)	16.08	13.95	10.87	8.27	9.69	7.57	9.46	6.86	9.69	7.57	(10.5%)
10th/[627,800)	13.58	12.59	12.59	9.88	10.12	9.63	7.90	7.65	6.91	9.14	(10%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution