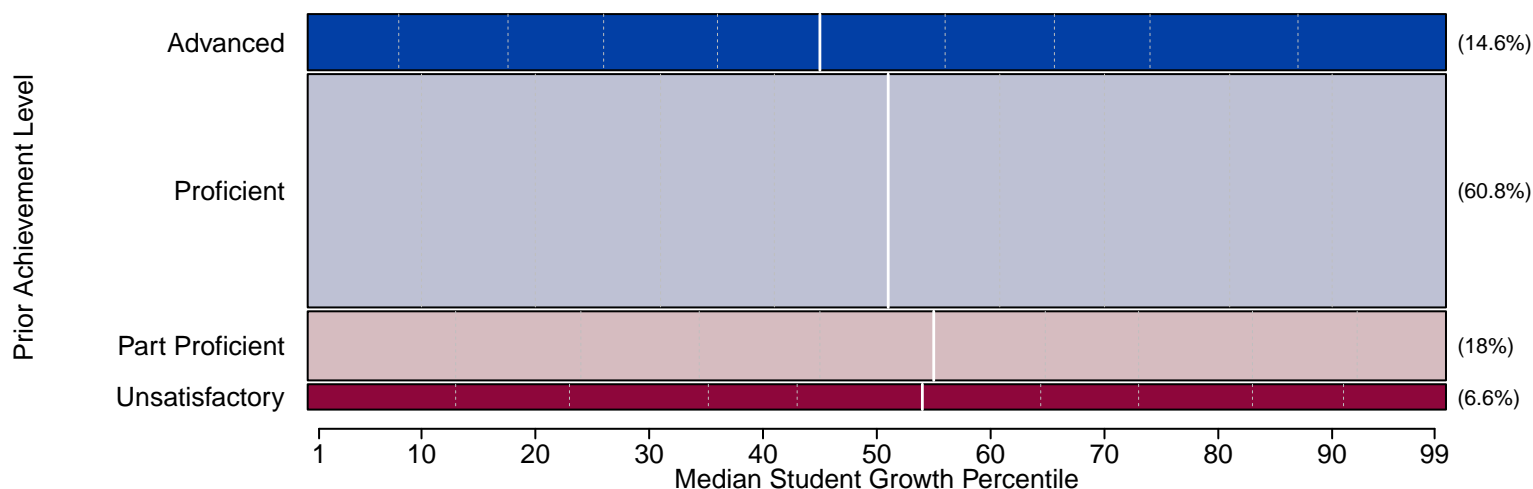# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017 Reading SGP SIMEX Ranked, Grade 7 (N = 4,162)

SGP Deciles by Prior Achievement Level (Reading)

Prior Achievement Level

- Advanced (14.6%)
- Proficient (60.8%)
- Part Proficient (18%)
- Unsatisfactory (6.6%)

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:	[300,436]	36.0	4.0	24.0	8.0	12.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	N = 25
	[436,477]	32.0	16.0	12.0	8.0	24.0	4.0	0.0	4.0	0.0	0.0	0.0	0.0	N = 25
Highest OSS:	[761,773]	0.0	0.0	4.2	0.0	0.0	4.2	0.0	29.2	8.3	8.3	12.5	33.3	N = 24
	[773,855]	0.0	3.6	0.0	3.6	0.0	0.0	0.0	10.7	3.6	25.0	3.6	50.0	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/[260,561]	7.49	8.94	8.21	9.66	9.66	9.42	11.35	10.39	11.84	13.04	(9.9%)
2nd/[561,591]	8.39	7.91	10.07	9.59	8.39	13.67	9.59	10.55	10.07	11.75	(10%)
3rd/[591,611]	6.49	7.45	11.30	8.65	8.65	8.65	10.34	11.30	14.18	12.98	(10%)
4th/[611,627]	7.94	10.92	9.43	9.68	11.66	10.92	9.68	12.16	7.69	9.93	(9.7%)
5th/[627,641]	9.95	9.47	8.74	8.98	11.41	9.71	9.71	9.95	9.22	12.86	(9.9%)
6th/[641,655]	10.23	10.93	9.07	8.84	8.60	10.47	11.16	9.53	10.70	10.47	(10.3%)
7th/[655,669]	12.25	10.75	9.50	10.00	7.50	9.00	11.00	9.50	11.75	8.75	(9.6%)
8th/[669,685]	9.56	8.39	9.32	8.39	12.59	11.66	8.16	10.72	9.79	11.42	(10.3%)
9th/[685,708]	9.07	10.50	11.46	13.13	12.17	8.35	8.83	9.07	8.59	8.83	(10.1%)
10th/[708,837]	10.90	12.56	9.24	12.09	10.19	9.24	13.98	7.11	7.11	7.58	(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