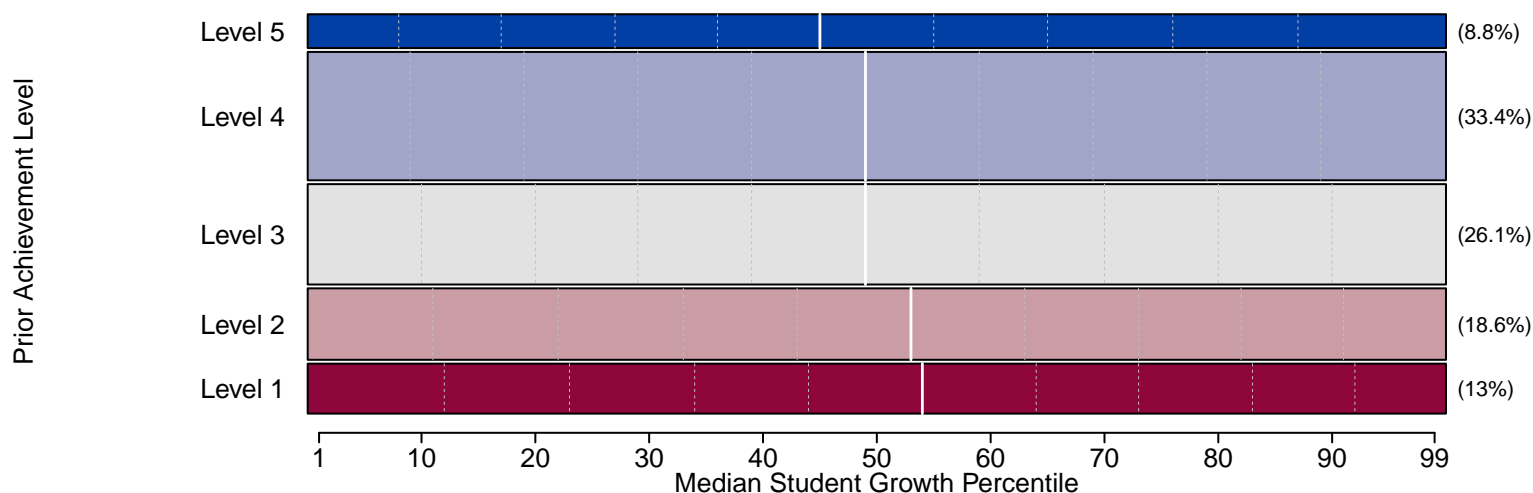# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 ELA SGP SIMEX Ranked, Grade 5 (N = 331,928)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level:
- Level 5 (8.8%)
- Level 4 (33.4%)
- Level 3 (26.1%)
- Level 2 (18.6%)
- Level 1 (13%)

Median Student Growth Percentile: 1, 10, 20, 30, 40, 50, 60, 70, 80, 90, 99

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:	[−15,−4.457)	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 = 27
	[−4.457,−4.42]	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 = 32
Highest OSS:	[4.444,4.708)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	96.3	N = 27
	[4.708,15]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	96.8	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/[−15,−1.5)	7.65	8.93	9.24	9.86	9.71	10.20	10.25	10.78	11.04	12.34	(9.6%)
2nd/[−1.5,−0.9538)	8.13	8.72	9.19	9.56	9.78	9.83	10.33	10.60	11.17	12.68	(10.3%)
3rd/[−0.9538,−0.5635)	8.64	9.18	9.36	9.38	9.83	10.36	10.33	10.59	10.71	11.63	(10%)
4th/[−0.5635,−0.2408)	9.17	9.95	9.90	9.88	10.22	10.02	9.90	10.35	10.08	10.52	(9.6%)
5th/[−0.2408,0.0562)	9.76	10.59	10.60	10.12	9.85	9.81	9.67	9.69	9.80	10.12	(10.2%)
6th/[0.0562,0.3577)	9.74	10.07	10.01	9.88	10.27	9.98	9.87	9.89	9.94	10.36	(10.2%)
7th/[0.3577,0.6498)	10.10	9.81	10.18	9.98	10.08	9.97	10.11	9.94	9.86	9.97	(9.6%)
8th/[0.6498,1.006)	10.12	10.27	10.30	9.48	10.15	10.10	9.64	10.05	9.78	10.11	(10.2%)
9th/[1.006,1.484)	10.75	10.33	10.53	10.29	10.17	9.65	9.88	9.21	9.51	9.68	(10%)
10th/[1.484,6.887]	10.88	11.46	10.82	10.44	10.32	10.21	9.57	9.09	8.91	8.31	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100