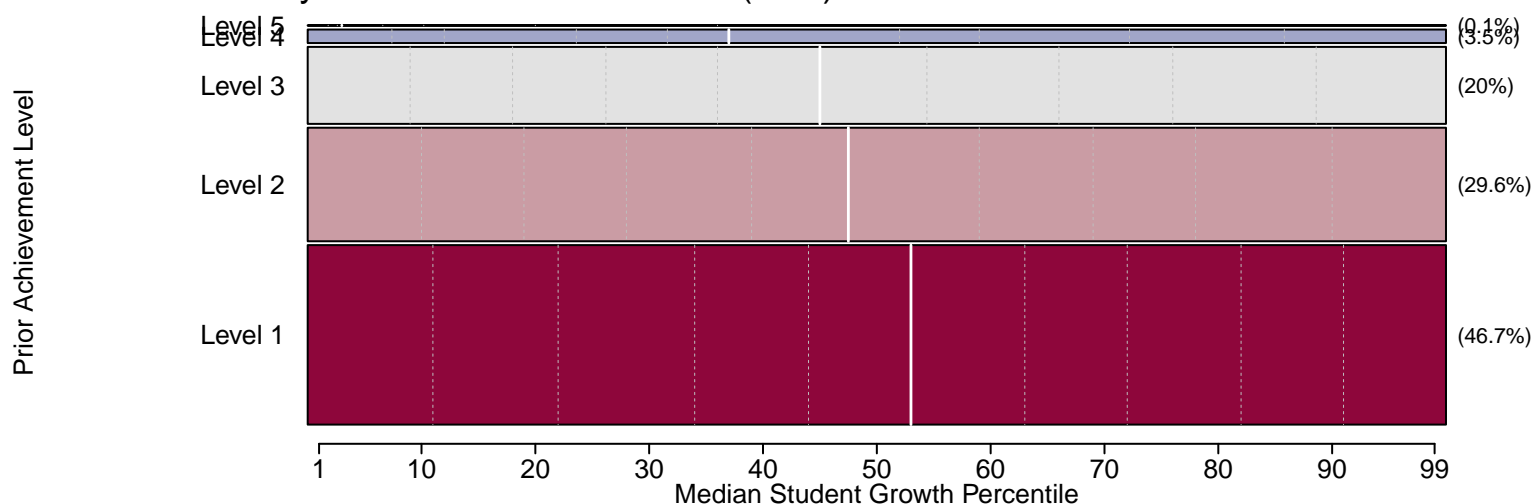# Student Growth Percentile Goodness–of–Fit Descriptives

2017–2018.2 ELA SGP SIMEX Ranked, Grade 11 (N = 4,065)

SGP Deciles by Prior Achievement Level (ELA)

Prior Achievement Level — Median Student Growth Percentile

- Level 5 (0.1%)
- Level 4 (3.5%)
- Level 3 (20%)
- Level 2 (29.6%)
- Level 1 (46.7%)

Ceiling / Floor Effects Test

Current Observed Score Extremes (Range) — Student Growth Percentile 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:	[−5.244,−3.223]	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 = 30
	[−3.223,−2.82]	60.4	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 48
Highest OSS:	[0.989,1.287]	0.0	0.0	0.0	8.7	4.3	0.0	0.0	4.3	4.3	13.0	4.3	60.9	N = 23
	[1.287,2.805]	11.1	0.0	3.7	0.0	0.0	0.0	3.7	18.5	3.7	7.4	3.7	48.1	N = 27

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/[−4.1,−1.9]	7.60	7.90	7.60	11.25	10.64	6.38	12.16	12.46	11.25	12.77	(8.1%)
2nd/[−1.9,−1.5]	9.66	6.79	7.57	10.18	9.92	12.01	8.88	10.70	13.84	10.44	(9.4%)
3rd/[−1.5,−1.3]	8.27	9.49	9.49	7.54	14.84	7.79	10.46	8.52	9.98	13.63	(10.1%)
4th/[−1.3,−1.1]	11.38	7.75	9.93	9.93	6.05	11.86	8.72	11.14	9.44	13.80	(10.2%)
5th/[−1.1,−0.82]	7.44	9.09	11.16	7.85	10.74	10.54	13.64	10.33	10.12	9.09	(11.9%)
6th/[−0.82,−0.66]	7.45	10.25	8.39	9.32	9.32	10.25	12.42	13.04	9.32	10.25	(7.9%)
7th/[−0.66,−0.42]	9.20	10.80	11.80	9.40	9.40	9.80	10.40	8.60	9.00	11.60	(12.3%)
8th/[−0.42,−0.25]	10.76	11.05	12.79	10.17	12.79	6.69	10.17	9.01	7.56	9.01	(8.5%)
9th/[−0.25,0.03]	11.83	11.40	9.68	12.69	10.32	10.97	6.88	8.39	9.68	8.17	(11.4%)
10th/[0.03,1.8]	11.11	14.49	10.39	12.08	6.52	11.35	7.97	8.70	9.18	8.21	(10.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution vs. Empirical SGP Distribution