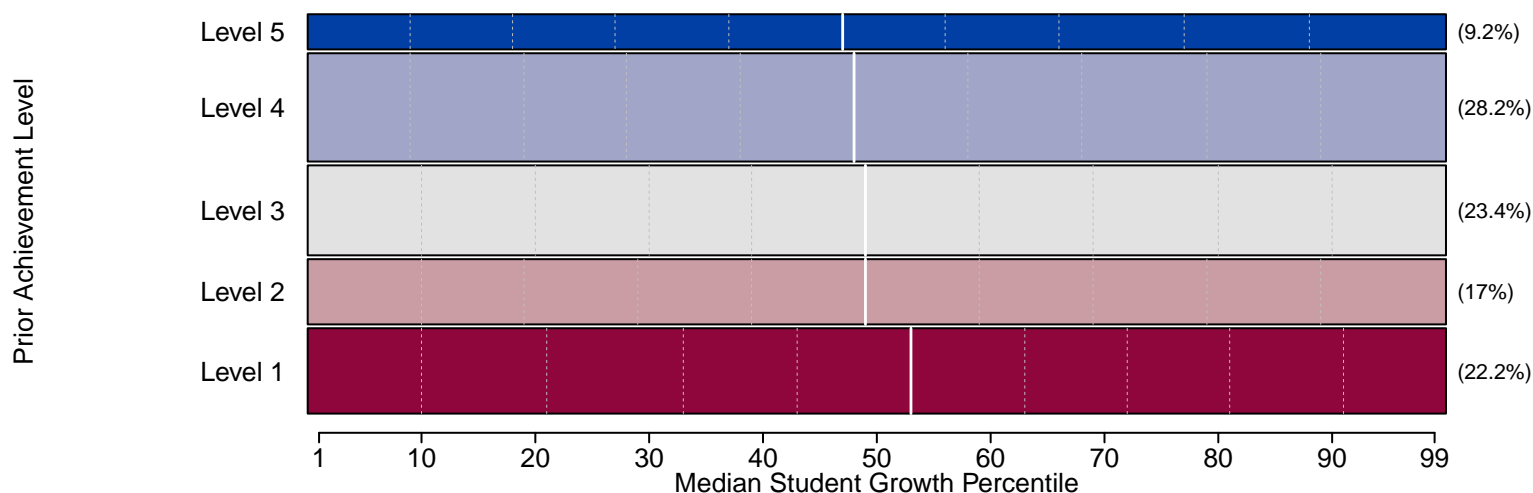# Student Growth Percentile Goodness–of–Fit Descriptives

2016–2017.2 ELA SS SGP SIMEX Ranked, Grade 11 (N = 95,236)

SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level:
- Level 5 (9.2%)
- Level 4 (28.2%)
- Level 3 (23.4%)
- Level 2 (17%)
- Level 1 (22.2%)

x-axis: 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:	[650]	89.3	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N = 845
Highest OSS:	[850]	0.0	0.0	0.0	0.0	0.0	0.0	4.2	8.9	21.1	22.6	6.8	36.3	N = 190

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/[650,677)	8.45	9.32	8.38	9.04	9.99	9.80	10.62	11.59	11.59	11.22	(9.5%)
2nd/[677,696)	9.77	9.24	8.87	9.49	9.98	10.48	10.04	10.13	10.71	11.28	(10.2%)
3rd/[696,712)	9.54	10.07	9.60	9.93	10.44	10.59	9.72	10.54	10.00	9.57	(10.2%)
4th/[712,725)	9.97	10.42	10.59	9.47	10.07	10.22	10.00	9.64	9.40	10.22	(9.2%)
5th/[725,736)	9.93	10.21	10.06	10.81	10.01	9.40	10.04	9.08	10.17	10.29	(10.3%)
6th/[736,746)	9.61	9.76	10.28	10.16	10.21	9.85	9.78	9.77	9.65	10.94	(9.7%)
7th/[746,759)	9.82	10.93	10.26	9.61	9.54	10.05	10.02	9.62	10.14	10.03	(10.7%)
8th/[759,772)	9.76	10.49	10.22	10.86	10.09	10.44	9.61	9.11	9.00	10.43	(9.8%)
9th/[772,792)	9.97	10.44	10.77	10.62	10.07	9.44	9.90	9.43	9.65	9.71	(9.9%)
10th/[792,850)	10.69	10.96	10.89	10.13	10.69	10.04	9.27	9.49	9.02	8.82	(10.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100) vs Empirical SGP Distribution (0–100)