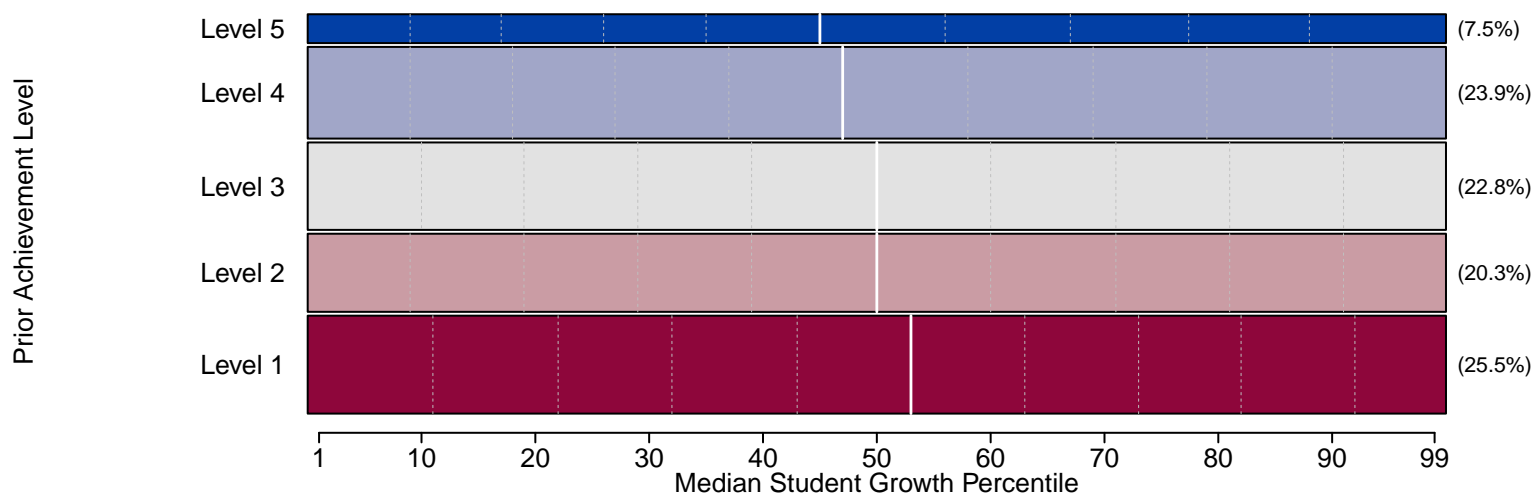# Student Growth Percentile Goodness–of–Fit Descriptives

## 2015–2016.2 ELA SS SGP SIMEX, Grade 11 (N = 86,252)

## SGP Deciles by Prior Achievement Level (ELA SS)

Prior Achievement Level

| Level | (%) |
|---|---|
| Level 5 | (7.5%) |
| Level 4 | (23.9%) |
| Level 3 | (22.8%) |
| Level 2 | (20.3%) |
| Level 1 | (25.5%) |

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

## 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: | [ 650 ] | 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 = 689 |
| Highest OSS: | [ 850 ] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.2 | 20.0 | 8.1 | 41.7 | N = 235 |

### 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/[650,673) | 8.10 | 8.97 | 7.82 | 10.84 | 7.80 | 10.30 | 11.56 | 10.72 | 11.69 | 12.20 | (9.9%) |
| 2nd/[673,691) | 8.97 | 9.42 | 9.69 | 9.60 | 9.29 | 9.82 | 9.75 | 10.32 | 11.04 | 12.10 | (9.7%) |
| 3rd/[691,706) | 9.45 | 9.88 | 8.72 | 10.03 | 9.59 | 10.03 | 10.36 | 9.92 | 10.52 | 11.50 | (10.1%) |
| 4th/[706,718) | 10.21 | 10.32 | 10.35 | 9.38 | 9.45 | 9.59 | 9.54 | 10.00 | 10.07 | 11.10 | (9.8%) |
| 5th/[718,729) | 10.23 | 10.58 | 10.45 | 9.27 | 10.40 | 8.90 | 9.21 | 9.89 | 9.88 | 11.20 | (9.8%) |
| 6th/[729,740) | 9.80 | 10.68 | 10.16 | 9.75 | 8.68 | 9.62 | 9.22 | 9.70 | 10.72 | 11.68 | (10.4%) |
| 7th/[740,751) | 10.38 | 10.15 | 9.89 | 9.93 | 10.16 | 9.43 | 9.63 | 9.21 | 9.93 | 11.28 | (9.7%) |
| 8th/[751,765) | 11.24 | 10.82 | 10.27 | 10.00 | 9.60 | 9.63 | 9.17 | 9.53 | 9.14 | 10.61 | (9.9%) |
| 9th/[765,786) | 10.55 | 11.37 | 10.14 | 10.31 | 10.13 | 9.28 | 9.34 | 9.14 | 9.05 | 10.69 | (10.6%) |
| 10th/[786,850] | 10.80 | 11.61 | 11.01 | 10.55 | 9.72 | 8.92 | 9.67 | 9.65 | 8.84 | 9.24 | (10%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution