# Student Growth Percentile Goodness–of–Fit Descriptives
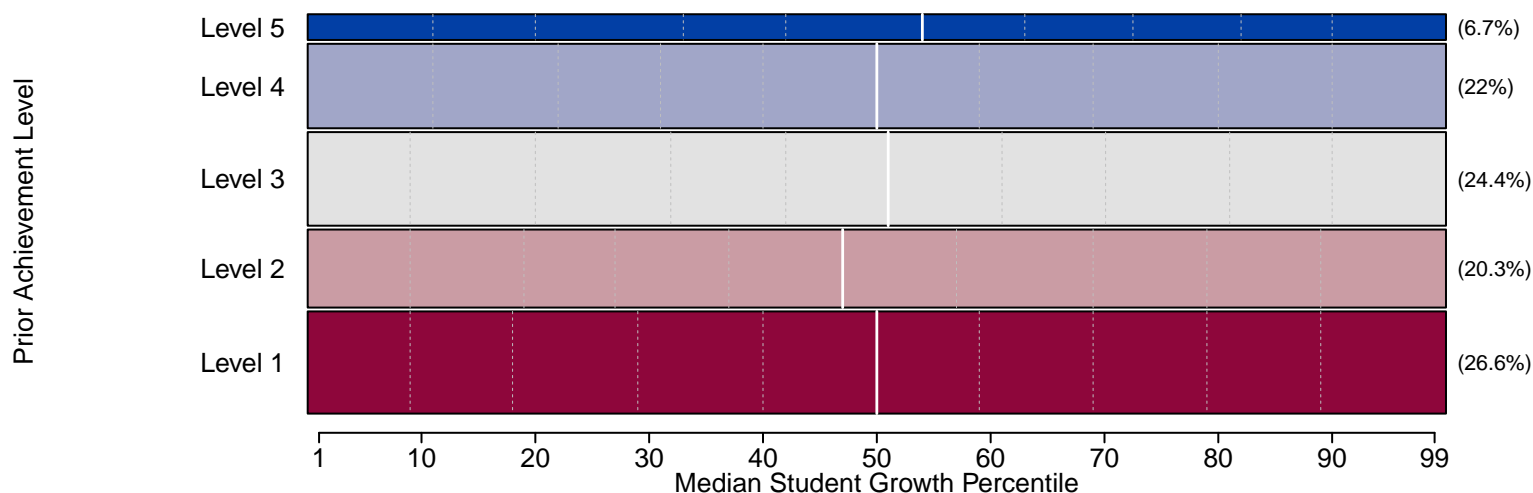
## 2016–2017.1 ELA SGP, Grade 11 (N = 4,119)

## SGP Deciles by Prior Achievement Level (ELA)



Prior Achievement Level:
- Level 5 (6.7%)
- Level 4 (22%)
- Level 3 (24.4%)
- Level 2 (20.3%)
- Level 1 (26.6%)

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: | [−3.93,−2.79) | 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 = 14 |
| | [−2.79,−2.55] | 97.6 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 41 |
| Highest OSS: | [2.34,2.64] | 4.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 8.0 | 4.0 | 12.0 | 16.0 | 16.0 | 36.0 | N = 25 |
| | [2.64,3.72] | 0.0 | 0.0 | 3.7 | 0.0 | 3.7 | 0.0 | 3.7 | 11.1 | 7.4 | 22.2 | 18.5 | 29.6 | 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/[−15,−1.52) | 10.71 | 11.22 | 10.46 | 8.93 | 8.42 | 9.95 | 11.22 | 9.44 | 9.44 | 10.20 | (9.5%) |
| 2nd/[−1.52,−1.13) | 11.14 | 8.96 | 6.78 | 11.14 | 11.62 | 9.93 | 9.44 | 12.11 | 9.44 | 9.44 | (10%) |
| 3rd/[−1.13,−0.779) | 12.59 | 11.14 | 9.69 | 9.93 | 7.99 | 11.86 | 9.20 | 7.99 | 10.41 | 9.20 | (10%) |
| 4th/[−0.779,−0.488) | 10.98 | 10.28 | 10.98 | 10.05 | 10.05 | 8.41 | 9.58 | 10.75 | 9.11 | 9.81 | (10.4%) |
| 5th/[−0.488,−0.235) | 9.60 | 8.59 | 11.11 | 9.60 | 11.87 | 10.86 | 9.60 | 8.08 | 9.85 | 10.86 | (9.6%) |
| 6th/[−0.235,0.0127) | 11.03 | 9.62 | 7.28 | 10.09 | 8.92 | 9.86 | 11.27 | 10.33 | 10.56 | 11.03 | (10.3%) |
| 7th/[0.0127,0.236) | 10.14 | 9.66 | 9.18 | 9.66 | 10.39 | 10.39 | 8.94 | 10.39 | 11.11 | 10.14 | (10.1%) |
| 8th/[0.236,0.553) | 8.23 | 8.96 | 11.14 | 13.08 | 11.62 | 9.93 | 8.96 | 8.72 | 7.51 | 11.86 | (10%) |
| 9th/[0.553,1.03) | 9.45 | 9.45 | 10.70 | 8.21 | 9.20 | 10.95 | 11.44 | 10.20 | 10.95 | 9.45 | (9.8%) |
| 10th/[1.03,4.68] | 7.82 | 10.43 | 7.82 | 10.43 | 9.48 | 11.37 | 10.19 | 9.95 | 10.66 | 11.85 | (10.2%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution

Empirical SGP Distribution