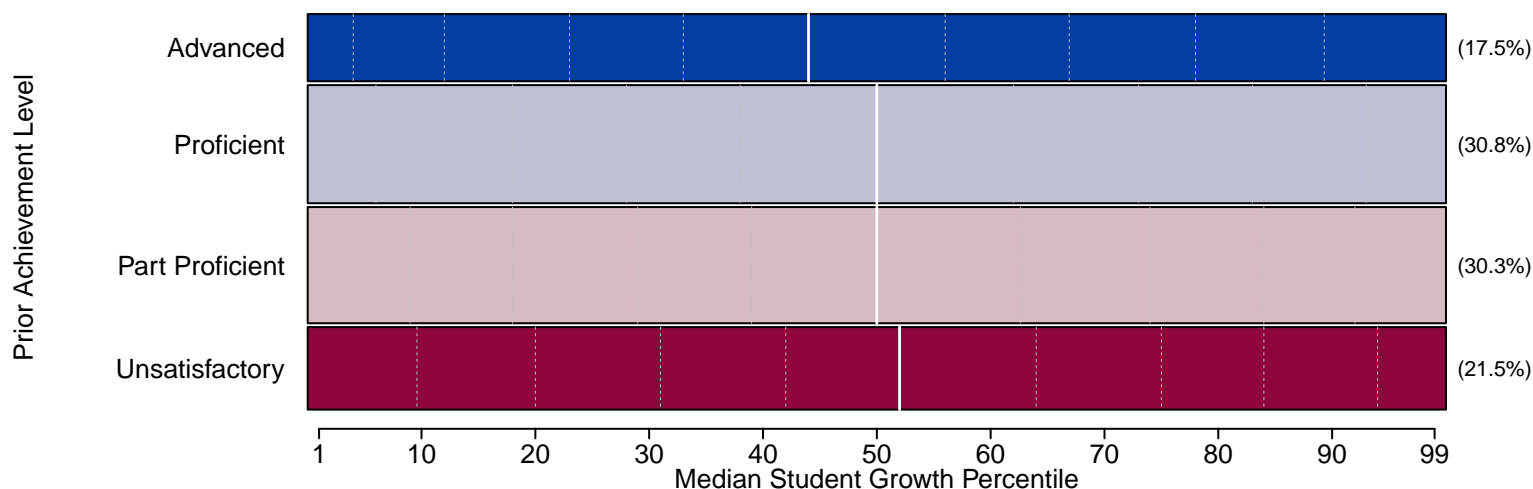


Student Growth Percentile Goodness-of-Fit Descriptives

2014–2015 Mathematics SGP SIMEX, Grade 10 (N = 3,989)

SGP Deciles by Prior Achievement Level (Mathematics)



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: | [370,377] | 58.3 | 8.3 | 16.7 | 8.3 | 4.2 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 24 |
| | [377,409] | 26.9 | 15.4 | 19.2 | 19.2 | 7.7 | 3.8 | 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 26 |
| Highest OSS: | [729,740] | 4.0 | 0.0 | 8.0 | 0.0 | 8.0 | 8.0 | 12.0 | 4.0 | 16.0 | 16.0 | 12.0 | 12.0 | N = 25 |
| | [740,782] | 4.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 8.0 | 4.0 | 4.0 | 20.0 | 12.0 | 44.0 | N = 25 |

Student Growth Percentile Range

| Prior Scale Score Decile/Range* | Student Growth Percentile 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/[340,512] | 8.14 | 10.18 | 10.69 | 10.43 | 9.41 | 10.18 | 6.36 | 7.38 | 12.21 | 15.01 | (9.9%) |
| 2nd/[512,545] | 12.50 | 8.75 | 7.75 | 9.25 | 8.75 | 8.25 | 5.50 | 12.25 | 14.00 | 13.00 | (10%) |
| 3rd/[545,565] | 9.79 | 8.25 | 9.54 | 10.05 | 7.47 | 7.73 | 10.57 | 11.34 | 9.28 | 15.98 | (9.7%) |
| 4th/[565,584] | 10.12 | 12.35 | 8.40 | 10.62 | 9.38 | 6.67 | 10.12 | 7.90 | 9.88 | 14.57 | (10.2%) |
| 5th/[584,599] | 11.90 | 11.39 | 9.37 | 10.13 | 7.09 | 8.10 | 10.13 | 8.86 | 10.63 | 12.41 | (9.9%) |
| 6th/[599,613] | 12.56 | 9.36 | 9.61 | 9.11 | 7.14 | 8.87 | 9.61 | 10.10 | 10.84 | 12.81 | (10.2%) |
| 7th/[613,628] | 11.58 | 10.00 | 10.26 | 8.95 | 7.37 | 8.42 | 9.74 | 7.63 | 10.53 | 15.53 | (9.5%) |
| 8th/[628,646] | 14.15 | 6.83 | 10.24 | 9.51 | 10.49 | 8.05 | 8.05 | 11.95 | 8.78 | 11.95 | (10.3%) |
| 9th/[646,669] | 14.95 | 11.03 | 10.54 | 9.80 | 8.33 | 9.07 | 6.62 | 9.31 | 9.80 | 10.54 | (10.2%) |
| 10th/[669,801] | 15.84 | 11.63 | 10.89 | 7.67 | 8.91 | 8.66 | 7.18 | 9.65 | 8.91 | 10.64 | (10.1%) |

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

QQ-Plot: Student Growth Percentiles

