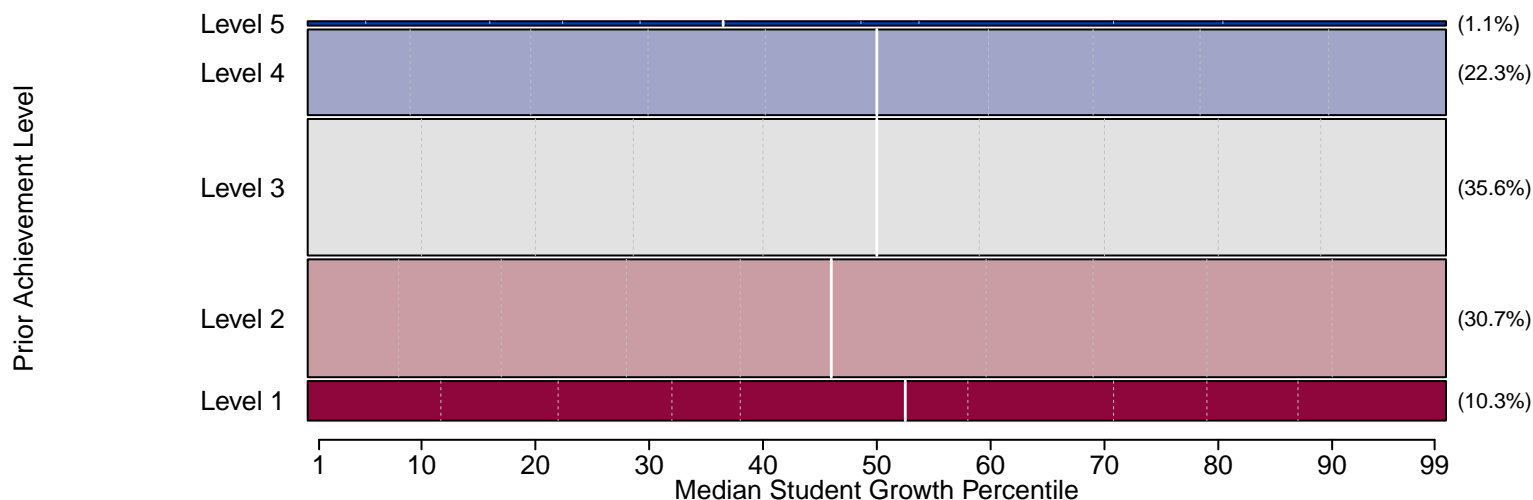# Student Growth Percentile Goodness–of–Fit Descriptives
## 2016–2017.1 Algebra II SGP, Grade EOCT (N = 1,049)

## SGP Deciles by Prior Achievement Level (Geometry)



Prior Achievement Level (y-axis), Median Student Growth Percentile (x-axis):
- Level 5 (1.1%)
- Level 4 (22.3%)
- Level 3 (35.6%)
- Level 2 (30.7%)
- Level 1 (10.3%)

## 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: | [−15,−1.98) | 90.9 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 22 |
| | [−1.98,−1.65] | 31.2 | 28.1 | 40.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N = 32 |
| Highest OSS: | [1.76,1.95] | 0.0 | 0.0 | 4.3 | 8.7 | 4.3 | 8.7 | 8.7 | 8.7 | 26.1 | 17.4 | 0.0 | 13.0 | N = 23 |
| | [1.95,2.8] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 7.1 | 7.1 | 7.1 | 25.0 | 25.0 | 25.0 | N = 28 |

### 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/[−5.58,−1.25) | 7.41 | 9.26 | 10.19 | 13.89 | 8.33 | 13.89 | 6.48 | 12.96 | 8.33 | 9.26 | (7.1%) |
| 2nd/[−1.25,−0.9) | 20.00 | 12.00 | 16.00 | 0.00 | 12.00 | 4.00 | 12.00 | 8.00 | 10.00 | 6.00 | (8%) |
| 3rd/[−0.9,−0.6) | 10.71 | 11.61 | 9.82 | 13.39 | 8.04 | 9.82 | 6.25 | 9.82 | 7.14 | 13.39 | (10.7%) |
| 4th/[−0.6,−0.34) | 9.43 | 6.29 | 10.69 | 10.06 | 10.69 | 8.81 | 13.21 | 10.06 | 10.69 | 10.06 | (10.2%) |
| 5th/[−0.34,−0.01) | 7.09 | 12.77 | 12.77 | 8.51 | 9.93 | 13.48 | 9.22 | 6.38 | 11.35 | 8.51 | (13.2%) |
| 6th/[−0.01,0.18) | 17.81 | 8.22 | 4.11 | 10.96 | 6.85 | 9.59 | 12.33 | 9.59 | 9.59 | 10.96 | (9.1%) |
| 7th/[0.18,0.52) | 7.21 | 9.91 | 12.61 | 9.01 | 10.81 | 10.81 | 7.21 | 13.51 | 8.11 | 10.81 | (11.5%) |
| 8th/[0.52,0.87) | 8.70 | 7.61 | 9.78 | 11.96 | 11.96 | 7.61 | 10.87 | 8.70 | 11.96 | 10.87 | (9.9%) |
| 9th/[0.87,1.26) | 11.88 | 9.90 | 8.91 | 7.92 | 9.90 | 12.87 | 8.91 | 9.90 | 10.89 | 8.91 | (9.4%) |
| 10th/[1.26,2.39] | 9.80 | 10.78 | 10.78 | 10.78 | 9.80 | 8.82 | 9.80 | 10.78 | 7.84 | 10.78 | (11%) |

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

## QQ–Plot: Student Growth Percentiles



Theoretical SGP Distribution (x-axis), Empirical SGP Distribution (y-axis)