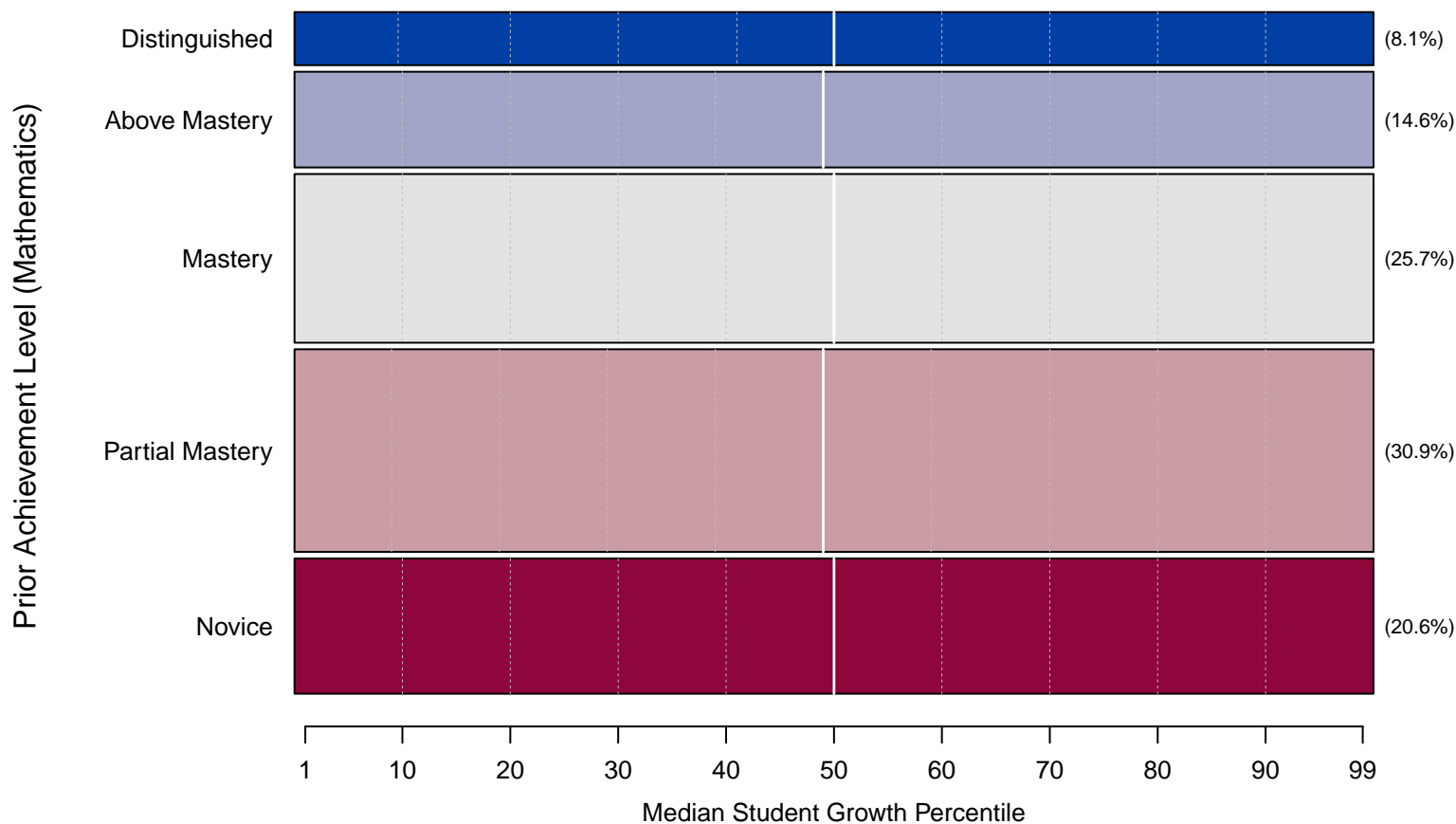# Student Growth Percentile Goodness–of–Fit Descriptives

## 2013–2014 Mathematics SGP, Grade 5 (N = 16,876)

### SGP Deciles by Prior Achievement Level



Prior Achievement Level (Mathematics)

| | |
|---|---|
| Distinguished | (8.1%) |
| Above Mastery | (14.6%) |
| Mastery | (25.7%) |
| Partial Mastery | (30.9%) |
| Novice | (20.6%) |

Median Student Growth Percentile

### 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/[403,532) | 11.21 | 8.48 | 10.22 | 10.34 | 10.15 | 9.97 | 10.09 | 9.54 | 10.22 | 9.78 | (9.6%) |
| 2nd/[532,551) | 8.95 | 10.24 | 10.31 | 9.40 | 9.33 | 9.70 | 9.40 | 10.99 | 9.55 | 12.13 | (7.8%) |
| 3rd/[551,567) | 8.30 | 11.32 | 10.01 | 9.44 | 10.18 | 10.30 | 10.69 | 10.13 | 10.18 | 9.44 | (10.4%) |
| 4th/[567,581) | 10.43 | 9.89 | 9.52 | 9.73 | 9.57 | 10.27 | 10.27 | 9.95 | 10.00 | 10.37 | (11.1%) |
| 5th/[581,591) | 10.70 | 9.41 | 10.34 | 11.49 | 9.99 | 8.41 | 8.41 | 9.63 | 10.63 | 10.99 | (8.2%) |
| 6th/[591,600) | 9.73 | 8.93 | 10.34 | 9.93 | 9.53 | 11.88 | 9.87 | 9.73 | 8.59 | 11.48 | (8.8%) |
| 7th/[600,613) | 9.41 | 10.75 | 9.32 | 9.41 | 10.17 | 9.59 | 10.26 | 10.66 | 10.39 | 10.04 | (13.3%) |
| 8th/[613,622) | 9.65 | 10.16 | 10.90 | 9.28 | 10.46 | 10.38 | 9.35 | 9.57 | 10.53 | 9.72 | (8%) |
| 9th/[622,641) | 9.07 | 10.71 | 9.60 | 10.28 | 10.14 | 8.83 | 10.86 | 9.56 | 10.28 | 10.67 | (12.3%) |
| 10th/[641,820] | 10.40 | 9.26 | 10.06 | 10.28 | 9.77 | 10.80 | 9.43 | 10.11 | 9.20 | 10.68 | (10.4%) |

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

### QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution



Empirical SGP Distribution