Student Growth Percentile Goodness–of–Fit Descriptives
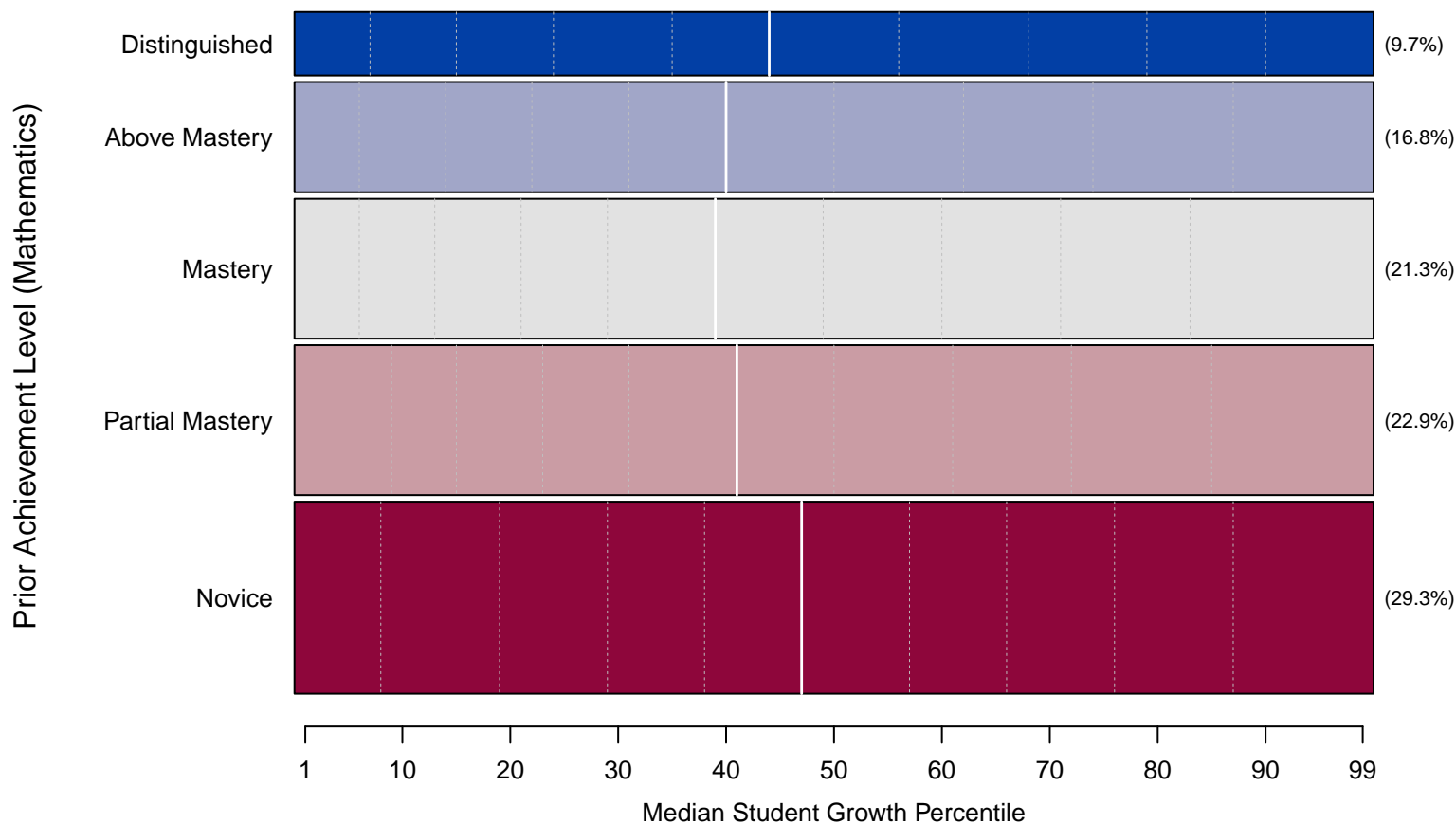
2013–2014 Mathematics SGP, Grade 8 (N = 19,190)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Distinguished	(9.7%)
Above Mastery	(16.8%)
Mastery	(21.3%)
Partial Mastery	(22.9%)
Novice	(29.3%)

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

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/[487,578)	9.21	8.33	11.14	9.03	10.32	10.50	10.67	10.91	10.03	9.85	(8.9%)
2nd/[578,601)	10.25	12.09	7.46	12.03	11.88	9.30	9.98	11.46	7.83	7.72	(9.9%)
3rd/[601,618)	14.64	7.74	11.76	11.91	11.12	10.32	8.98	8.73	8.04	6.75	(10.5%)
4th/[618,627)	9.76	12.67	12.53	11.52	10.50	8.74	9.69	8.67	7.66	8.27	(7.7%)
5th/[627,640)	10.62	16.80	11.60	10.39	10.57	10.08	8.87	8.24	6.90	5.91	(11.6%)
6th/[640,652)	12.67	14.32	12.25	11.26	9.75	8.57	9.61	8.34	7.68	5.56	(11.1%)
7th/[652,660)	16.63	11.85	11.11	9.64	11.04	9.49	9.86	8.02	7.36	5.00	(7.1%)
8th/[660,677)	16.27	11.20	13.51	10.79	9.68	8.90	8.20	7.58	6.71	7.17	(12.7%)
9th/[677,694)	14.54	12.60	11.23	10.60	10.03	8.38	9.18	8.21	7.24	7.98	(9.1%)
10th/[694,870)	12.71	12.03	10.89	9.07	10.34	8.11	8.43	9.11	9.02	10.30	(11.4%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution: 0 10 20 30 40 50 60 70 80 90 100