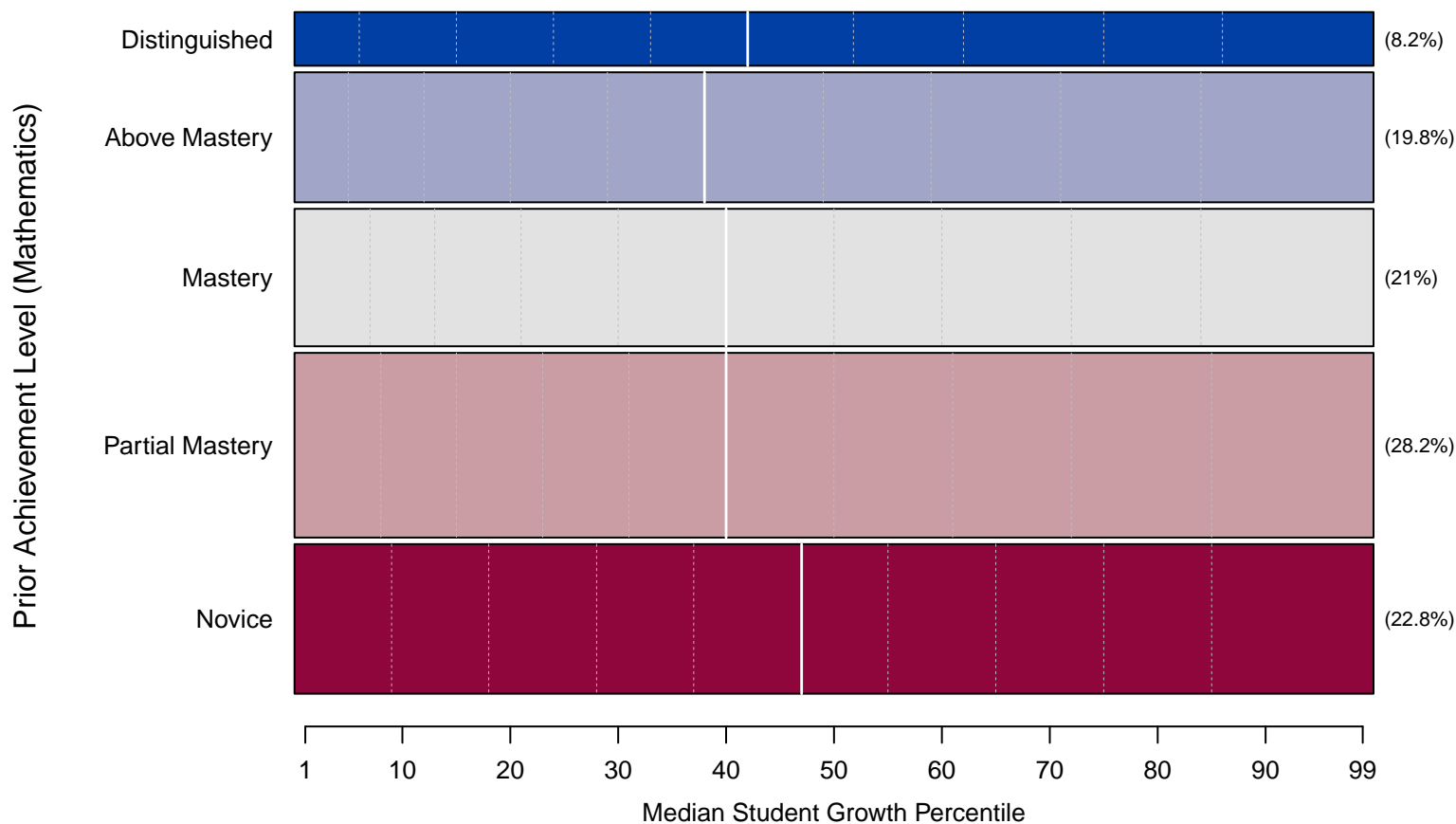# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 7 (N = 17,148)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.2%)
Above Mastery	(19.8%)
Mastery	(21%)
Partial Mastery	(28.2%)
Novice	(22.8%)

Median Student Growth Percentile (x-axis: 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/[477,564]	9.48	10.98	9.34	10.01	11.58	11.28	11.58	9.34	7.99	8.44	(7.8%)
2nd/[564,590]	10.99	10.78	10.67	10.89	10.62	9.98	12.06	8.96	8.59	6.46	(10.9%)
3rd/[590,603]	10.51	13.05	11.54	12.43	9.55	9.89	10.16	9.07	8.04	5.77	(8.5%)
4th/[603,615]	12.33	12.69	12.45	10.88	9.31	9.61	9.24	9.24	8.10	6.16	(9.7%)
5th/[615,625]	13.99	14.73	10.54	11.46	9.74	10.66	7.95	8.01	7.58	5.36	(9.5%)
6th/[625,639]	13.16	13.33	12.58	10.02	10.11	9.54	8.79	8.70	7.95	5.83	(13.2%)
7th/[639,648]	15.49	12.72	11.84	10.62	10.01	9.74	8.25	7.78	7.31	6.22	(8.6%)
8th/[648,661]	15.25	13.80	11.88	10.81	9.52	10.11	8.13	7.65	6.80	6.05	(10.9%)
9th/[661,678]	16.48	13.79	11.32	9.73	9.18	10.05	8.02	7.69	7.36	6.37	(10.6%)
10th/[678,840]	14.02	11.19	10.51	11.31	10.34	9.55	8.08	8.54	10.18	6.27	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution (0–100)
Empirical SGP Distribution (0–100)