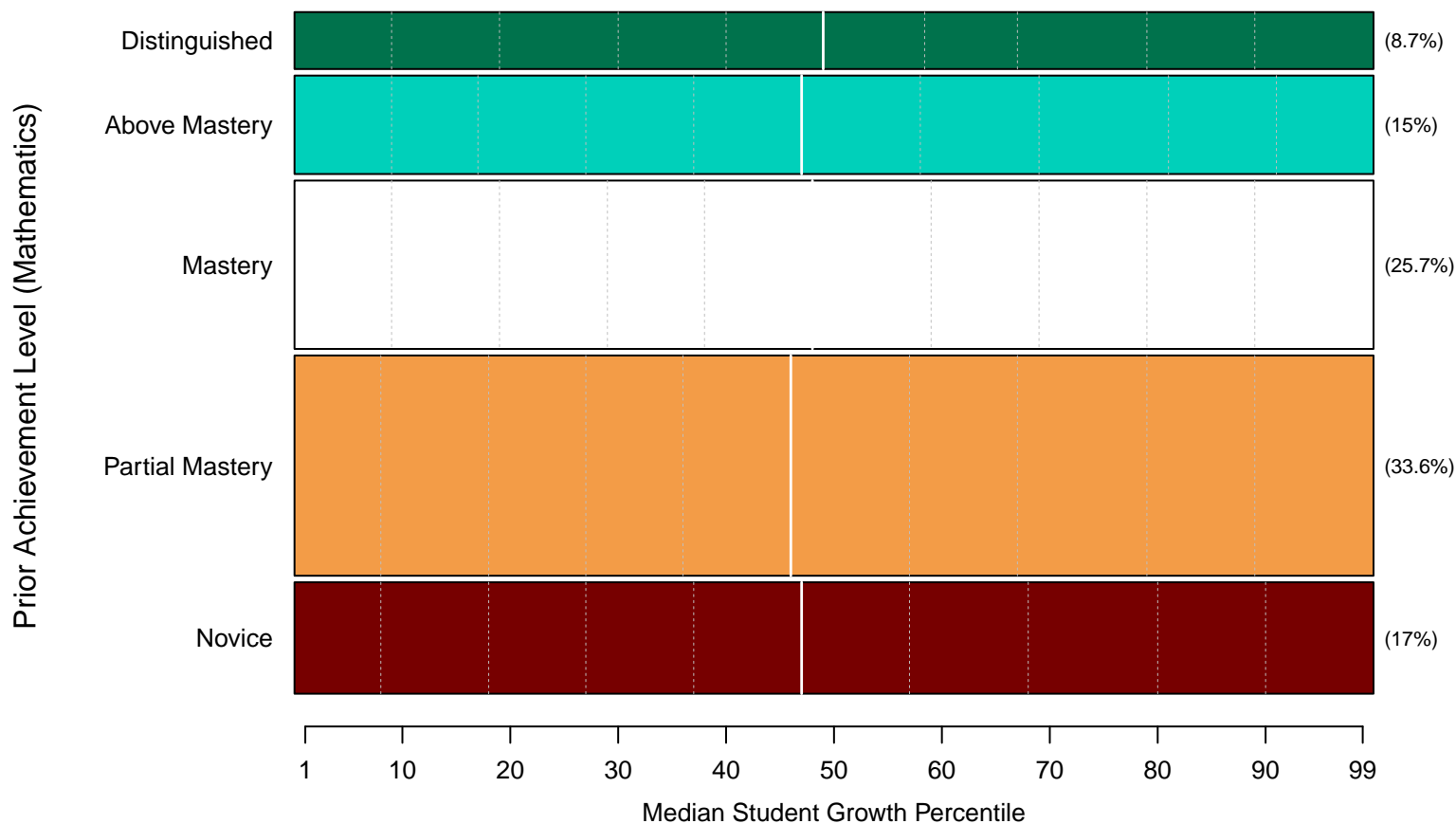# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 4 (N = 18,738)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.7%)
Above Mastery	(15%)
Mastery	(25.7%)
Partial Mastery	(33.6%)
Novice	(17%)

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/[385,530)	12.16	10.31	9.55	13.11	9.42	7.38	10.82	7.07	10.06	10.12	(8.4%)
2nd/[530,547)	11.83	11.64	7.74	9.72	9.23	14.49	5.51	9.91	8.73	11.21	(8.6%)
3rd/[547,561)	10.16	8.33	12.94	9.92	10.40	7.15	12.09	8.80	10.58	9.64	(11.3%)
4th/[561,569)	13.85	8.81	11.27	10.28	10.16	7.20	9.05	11.08	8.68	9.61	(8.7%)
5th/[569,577)	11.28	12.06	13.43	6.75	13.43	7.46	6.21	11.34	8.48	9.55	(8.9%)
6th/[577,588)	11.27	10.88	10.19	11.31	7.18	13.01	9.76	7.80	9.53	9.07	(13.8%)
7th/[588,595)	11.24	10.69	8.11	14.50	7.00	8.23	7.56	13.88	9.83	8.97	(8.7%)
8th/[595,607)	9.76	8.91	13.45	7.39	14.21	10.99	6.87	9.71	9.28	9.43	(11.3%)
9th/[607,619)	10.74	11.98	9.62	9.92	8.68	12.81	7.38	8.74	9.09	11.04	(9%)
10th/[619,780)	10.51	10.89	8.13	10.03	11.17	9.46	10.22	9.61	11.41	8.56	(11.2%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution