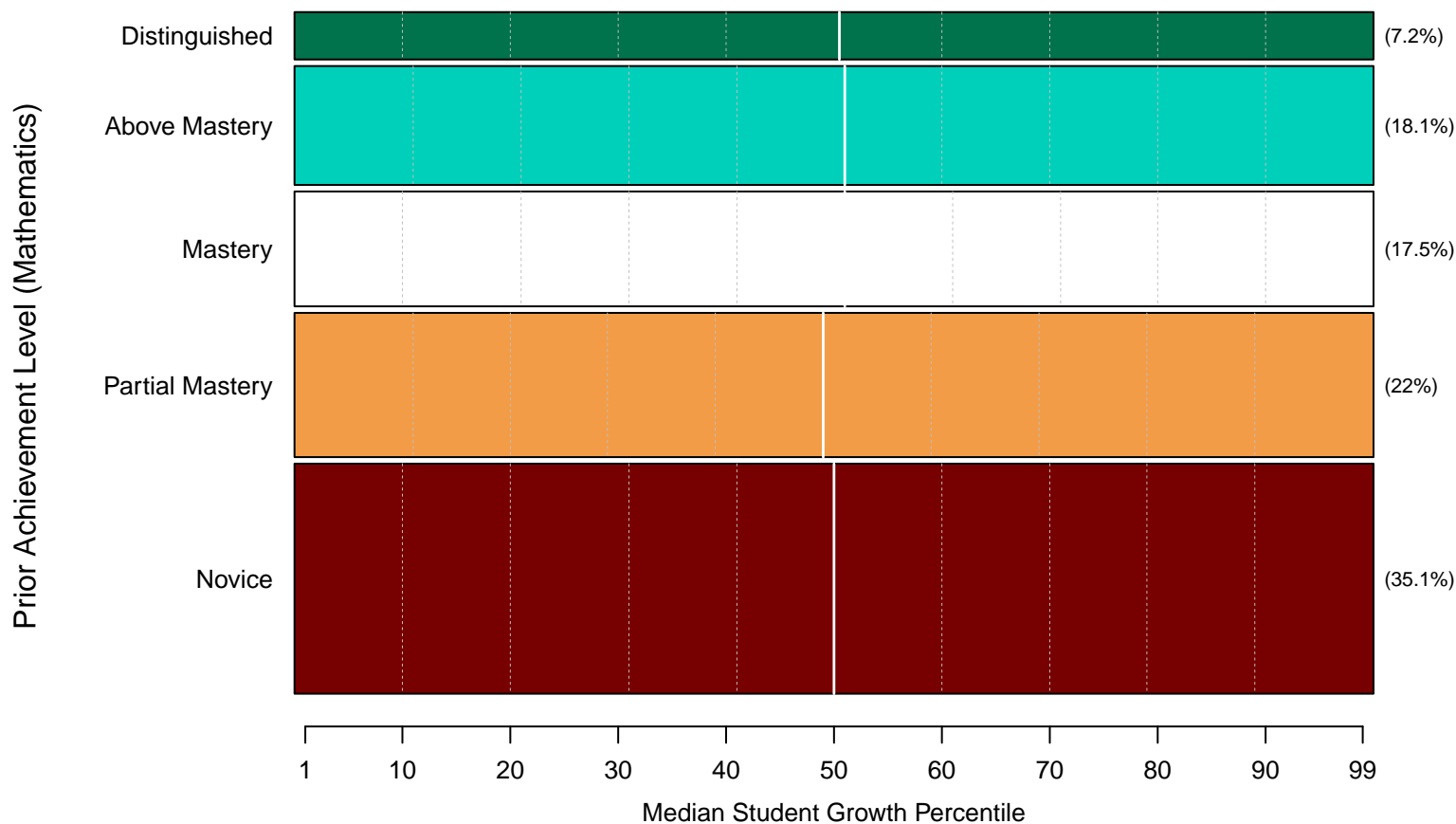# Student Growth Percentile Goodness–of–Fit Descriptives

2012–2013 Mathematics SGP, Grade 9 (N = 18,496)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(7.2%)
Above Mastery	(18.1%)
Mastery	(17.5%)
Partial Mastery	(22%)
Novice	(35.1%)

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/[502,552)	8.39	12.33	6.98	9.44	10.50	10.15	10.15	10.22	10.92	10.92	(7.7%)
2nd/[552,590)	8.18	11.88	8.98	10.96	8.38	11.68	10.10	10.10	10.83	8.91	(8.2%)
3rd/[590,611)	7.18	11.74	9.52	10.41	11.02	10.02	10.91	10.57	8.74	9.91	(9.7%)
4th/[611,632)	10.91	8.65	10.38	10.00	10.30	10.49	9.63	10.87	8.91	9.85	(14.4%)
5th/[632,643)	9.30	10.29	11.46	10.23	9.67	9.30	10.23	10.41	10.04	9.06	(8.8%)
6th/[643,653)	8.97	9.94	11.04	9.94	9.62	10.01	11.10	8.97	10.78	9.62	(8.4%)
7th/[653,666)	9.35	9.25	9.79	9.88	9.79	9.93	10.85	10.56	10.47	10.13	(11.2%)
8th/[666,677)	8.73	9.61	9.26	10.73	10.73	10.14	9.49	11.03	9.32	10.97	(9.2%)
9th/[677,695)	8.79	9.25	10.13	9.57	10.04	10.68	10.64	10.04	10.22	10.64	(11.7%)
10th/[695,880]	8.70	10.93	10.09	9.64	9.89	10.24	10.04	10.09	10.34	10.04	(10.9%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution