Student Growth Percentile Goodness–of–Fit Descriptives
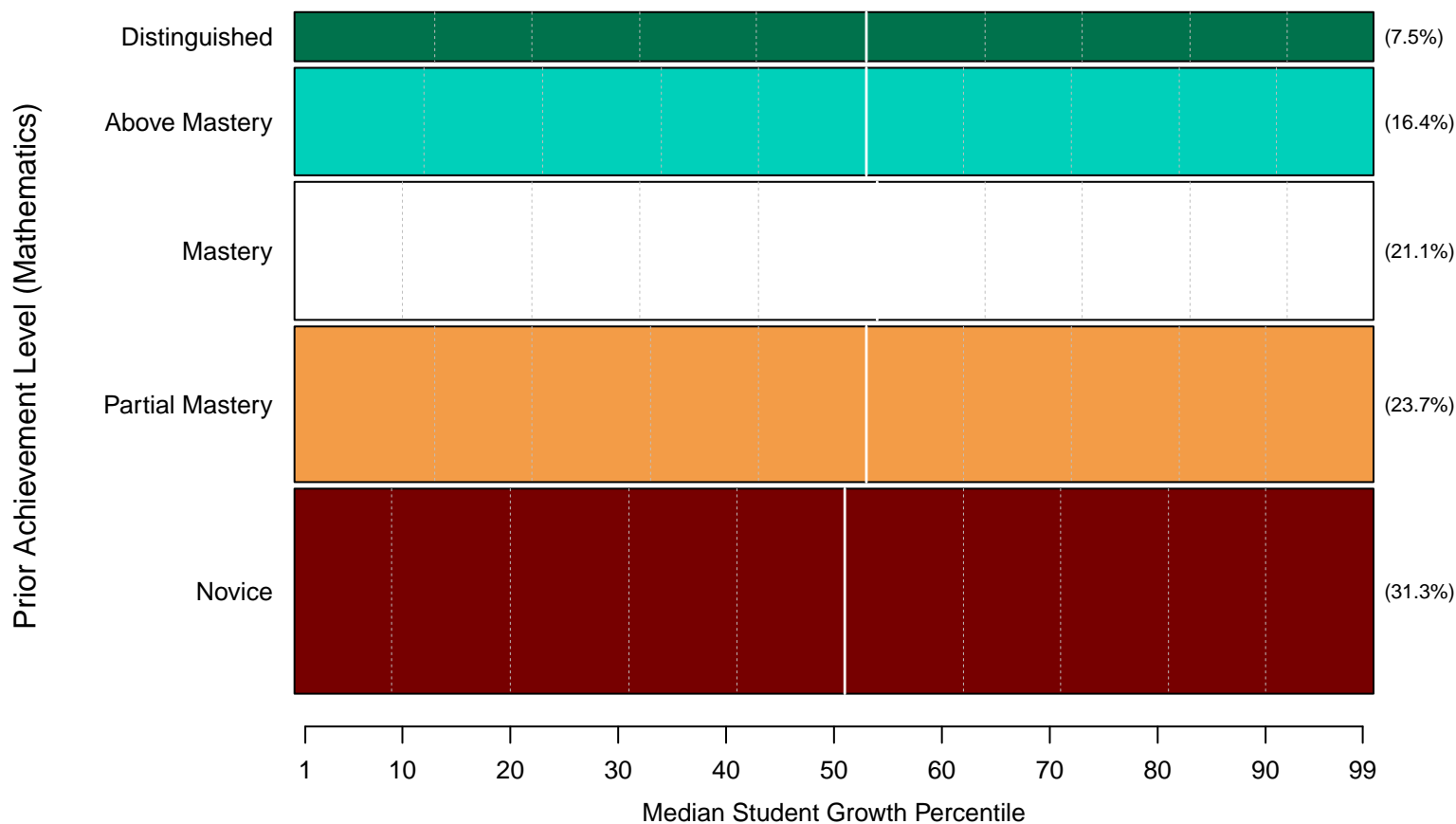
2011–2012 Mathematics SGP, Grade 8 (N = 18,969)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Distinguished (7.5%)
- Above Mastery (16.4%)
- Mastery (21.1%)
- Partial Mastery (23.7%)
- Novice (31.3%)

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/[487,578)	9.02	8.72	11.24	8.55	8.78	10.42	10.89	10.95	10.95	10.48	(9%)
2nd/[578,601)	9.36	12.10	7.79	9.31	9.97	9.67	9.46	10.27	9.97	12.10	(10.4%)
3rd/[601,613)	13.15	5.44	9.60	11.01	9.13	10.67	9.66	10.20	11.01	10.13	(7.9%)
4th/[613,627)	8.98	9.97	9.71	9.37	9.58	9.76	9.15	10.80	11.62	11.06	(12.2%)
5th/[627,636)	5.42	11.58	10.31	9.44	10.24	9.64	11.85	9.30	11.65	10.58	(7.9%)
6th/[636,648)	7.61	9.86	8.29	8.69	11.44	10.81	10.81	10.72	10.77	10.99	(11.7%)
7th/[648,660)	10.17	7.48	9.58	9.68	9.83	9.19	9.83	10.32	11.15	12.76	(10.8%)
8th/[660,673)	9.70	9.14	8.80	9.25	8.97	10.44	11.01	9.82	10.33	12.54	(9.3%)
9th/[673,690)	8.02	8.29	8.89	10.91	10.03	10.52	9.87	10.20	11.34	11.94	(9.7%)
10th/[690,870)	6.70	11.06	9.47	9.18	9.56	10.54	10.31	10.26	10.50	12.42	(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