Student Growth Percentile Goodness–of–Fit Descriptives
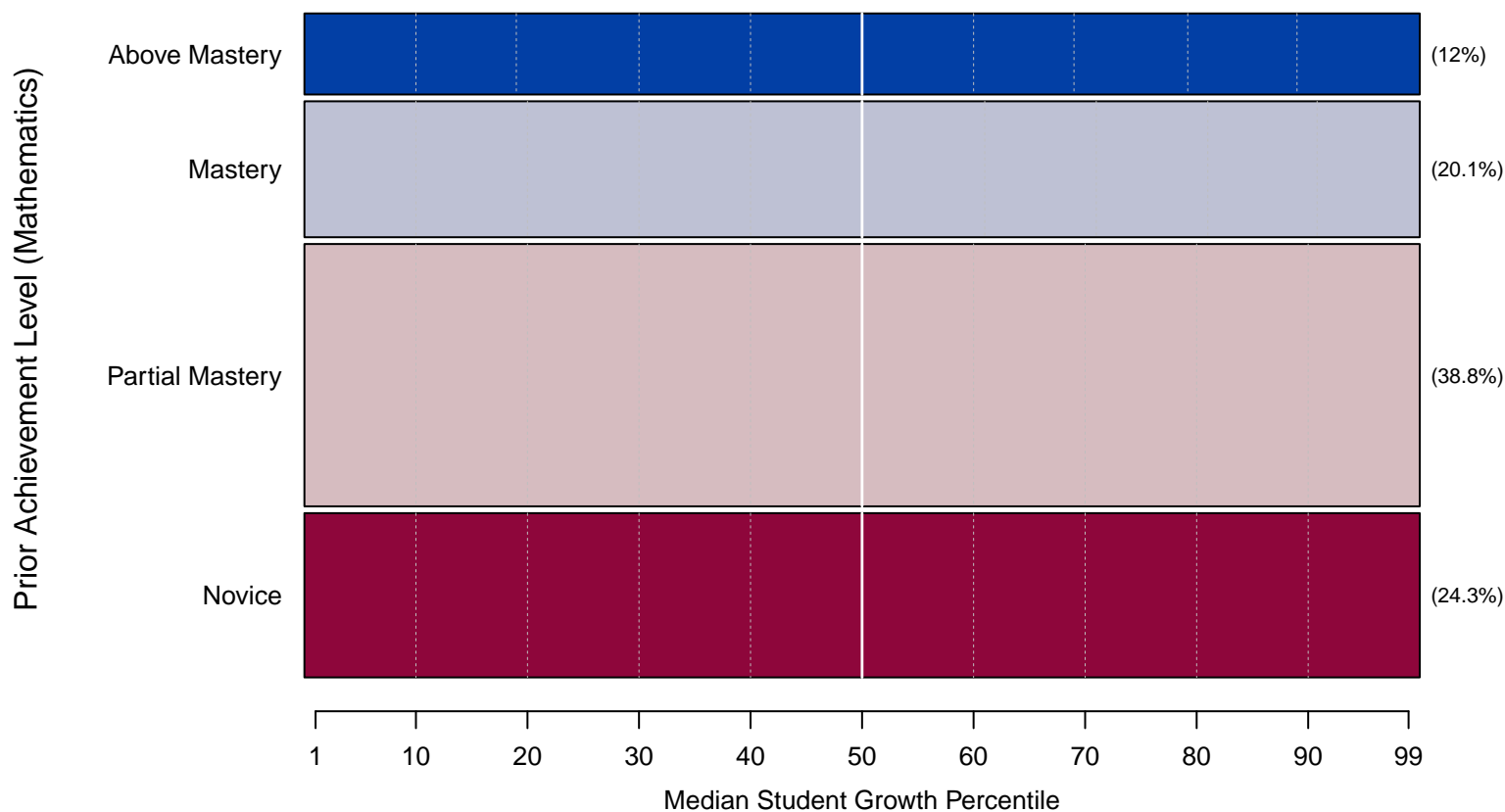
2014–2015 Mathematics SGP, Grade 4 (N = 18,838)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Above Mastery (12%)
- Mastery (20.1%)
- Partial Mastery (38.8%)
- Novice (24.3%)

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/[385,524)	10.10	10.16	10.05	9.72	9.72	9.94	10.05	9.83	10.43	9.99	(9.7%)
2nd/[524,537)	9.32	9.32	9.88	10.13	10.63	10.25	9.76	9.63	9.70	11.37	(8.5%)
3rd/[537,552)	8.70	10.41	10.21	10.21	10.41	9.74	10.21	10.47	10.00	9.64	(10.2%)
4th/[552,561)	9.55	9.64	10.11	10.29	9.13	9.41	10.06	10.43	10.48	10.90	(11.4%)
5th/[561,569)	10.60	9.41	10.38	9.86	9.86	11.28	9.48	9.93	9.04	10.16	(7.1%)
6th/[569,577)	9.06	11.25	9.65	9.70	10.34	9.97	9.52	9.43	10.34	10.75	(11.7%)
7th/[577,587)	9.77	9.10	10.28	10.43	10.13	9.87	11.05	10.49	9.26	9.62	(10.4%)
8th/[587,598)	9.30	10.08	10.27	10.42	9.25	9.88	9.64	9.83	9.83	11.49	(10.9%)
9th/[598,610)	10.33	9.90	9.36	9.36	10.22	9.74	9.47	10.75	11.08	9.79	(9.9%)
10th/[610,780]	8.96	10.22	10.48	9.91	10.27	10.43	10.43	9.28	9.49	10.53	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution