Student Growth Percentile Goodness–of–Fit Descriptives
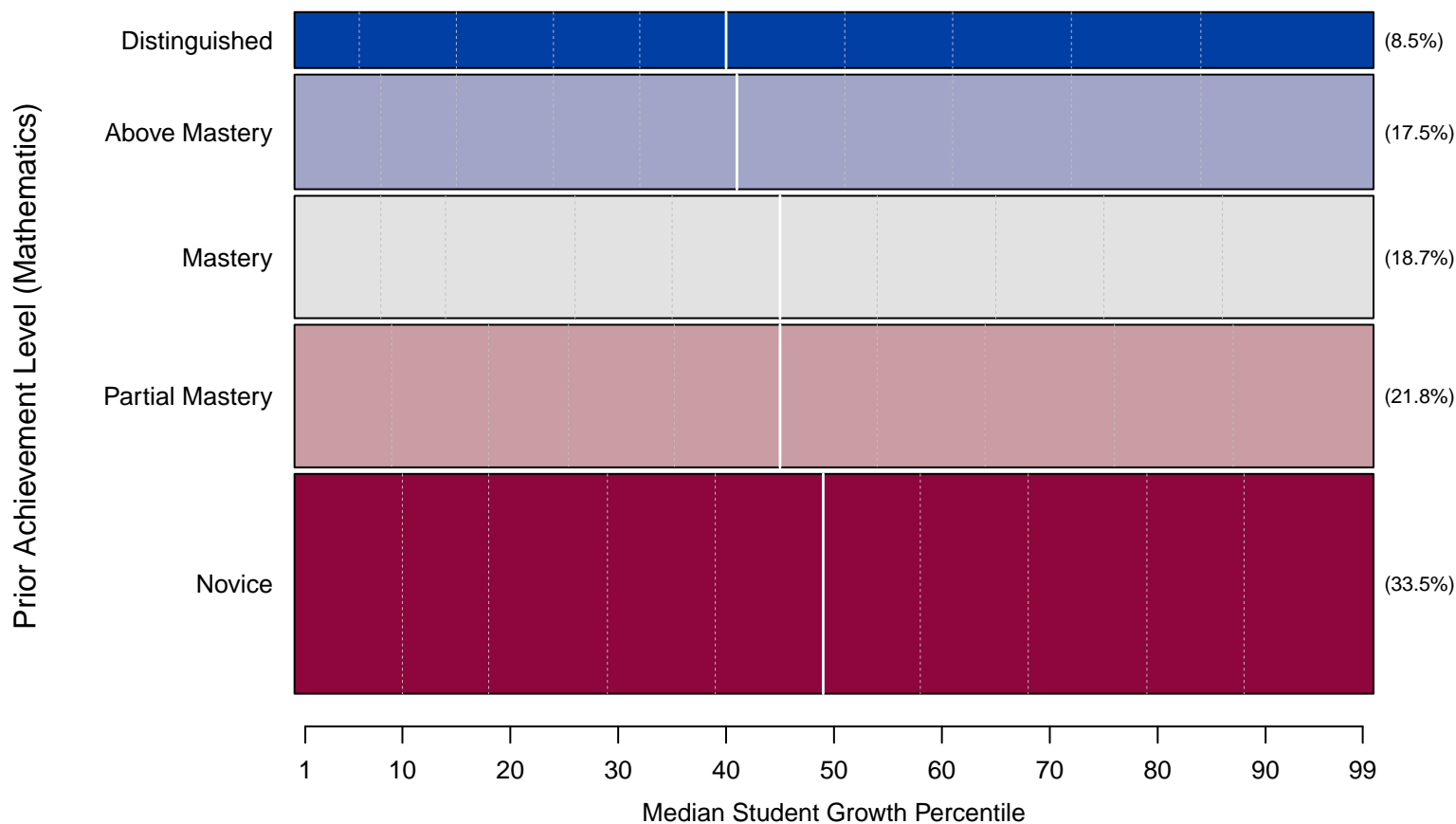
2013–2014 Mathematics SGP, Grade 9 (N = 16,766)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.5%)
Above Mastery	(17.5%)
Mastery	(18.7%)
Partial Mastery	(21.8%)
Novice	(33.5%)

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/[502,543)	9.92	14.87	8.24	9.08	8.09	9.08	10.60	10.37	10.60	9.15	(7.8%)
2nd/[543,597)	8.40	11.79	8.76	10.58	11.18	9.56	11.18	8.91	10.68	8.96	(11.8%)
3rd/[597,615)	10.12	9.27	9.40	10.91	9.99	11.11	9.73	9.14	11.31	9.01	(9.1%)
4th/[615,629)	13.10	7.95	11.21	11.28	11.93	11.15	9.58	8.47	8.87	6.45	(9.1%)
5th/[629,640)	9.81	12.22	13.10	11.35	10.81	8.66	9.60	6.98	9.94	7.52	(8.9%)
6th/[640,656)	11.17	12.34	9.96	9.30	11.36	10.29	8.56	9.58	9.72	7.71	(12.8%)
7th/[656,665)	13.36	11.51	10.73	9.65	10.97	8.80	9.58	10.12	8.49	6.80	(7.7%)
8th/[665,677)	12.78	11.23	9.92	11.59	9.50	9.86	9.56	9.92	8.90	6.75	(10%)
9th/[677,696)	12.88	12.68	12.11	11.64	9.73	9.25	10.06	8.73	6.77	6.15	(12.5%)
10th/[696,880]	13.06	11.10	12.08	12.66	9.08	10.64	9.48	8.79	7.17	5.95	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution