Student Growth Percentile Goodness–of–Fit Descriptives
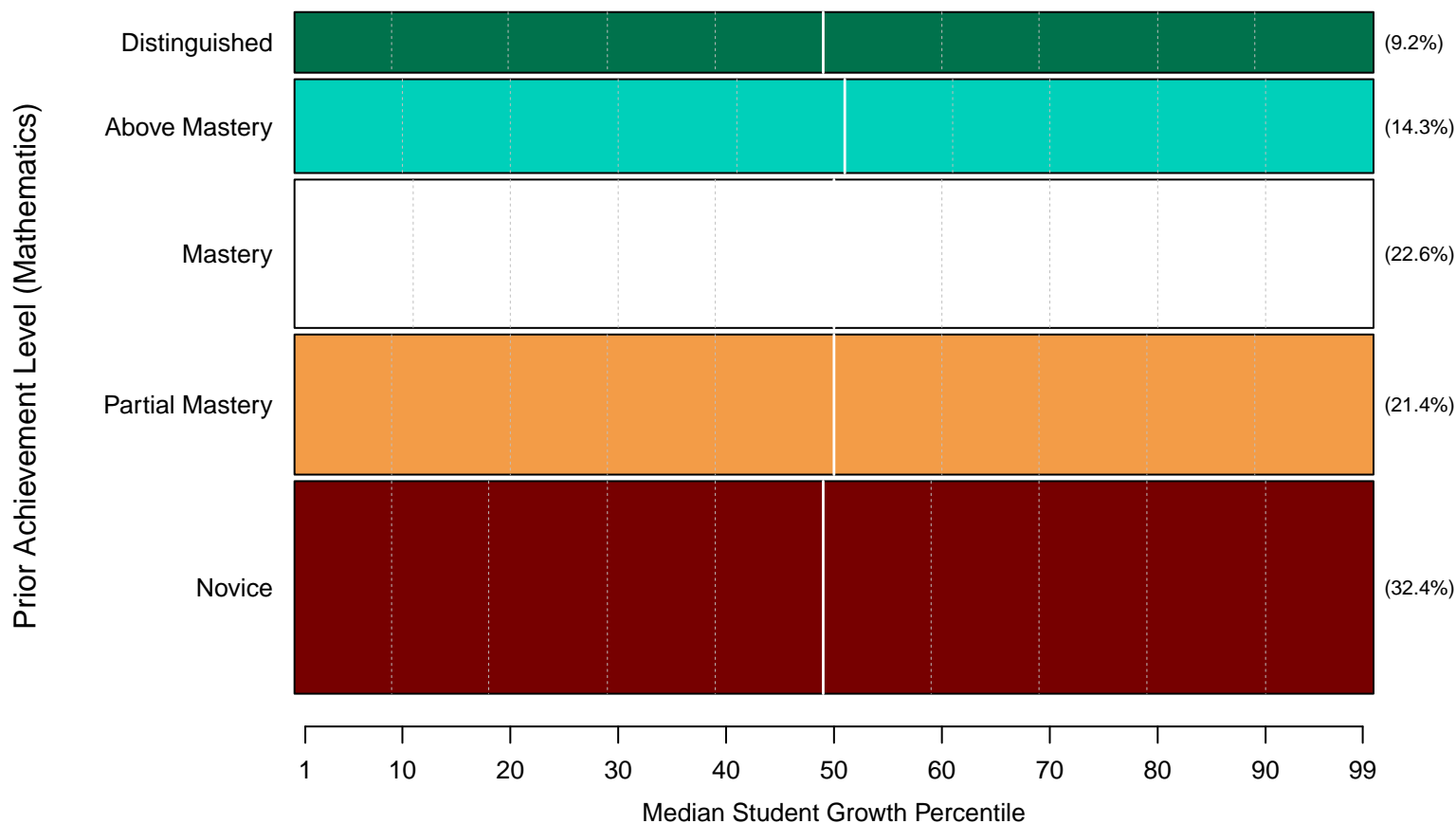
2012–2013 Mathematics SGP, Grade 10 (N = 15,843)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Distinguished	(9.2%)
Above Mastery	(14.3%)
Mastery	(22.6%)
Partial Mastery	(21.4%)
Novice	(32.4%)

Median Student Growth Percentile: 1 10 20 30 40 50 60 70 80 90 99

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/[502,527]	11.74	10.39	9.21	9.49	9.67	10.57	9.67	10.03	8.94	10.30	(7%)
2nd/[527,620]	10.66	10.66	8.96	10.59	10.09	10.23	10.16	9.17	9.45	10.02	(8.9%)
3rd/[620,641]	10.34	10.57	10.05	10.51	10.34	9.19	8.97	9.82	9.88	10.34	(11.1%)
4th/[641,654]	9.16	10.14	9.05	10.14	9.68	10.61	11.01	10.95	9.63	9.63	(11%)
5th/[654,664]	11.93	8.96	10.88	10.30	10.06	9.48	9.71	9.48	9.77	9.42	(10.9%)
6th/[664,672]	8.76	10.74	10.01	9.95	9.68	10.01	10.08	10.34	9.88	10.54	(9.6%)
7th/[672,679]	9.01	9.47	10.01	11.08	10.08	9.47	9.17	9.93	9.47	12.30	(8.3%)
8th/[679,691]	8.01	11.70	9.88	9.78	10.09	10.76	9.83	10.45	9.98	9.52	(12.1%)
9th/[691,705]	9.95	10.43	9.70	9.82	9.64	9.82	10.43	9.64	9.46	11.10	(10.4%)
10th/[705,900]	10.61	9.04	10.38	9.45	9.74	9.57	10.72	9.74	11.13	9.62	(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