Student Growth Percentile Goodness–of–Fit Descriptives
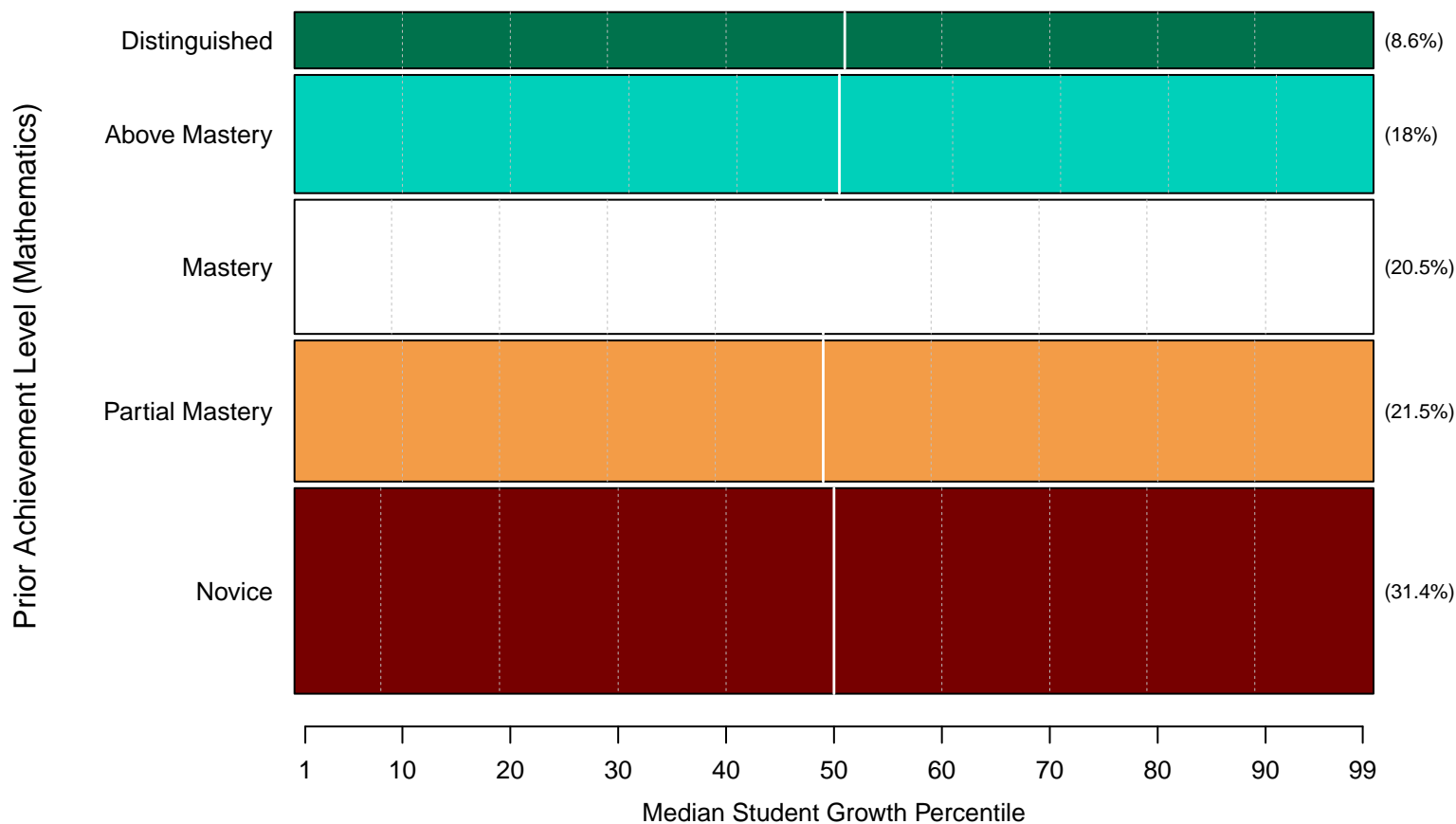## 2012–2013 Mathematics SGP, Grade 11 (N = 14,633)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Level	Percentage
Distinguished	(8.6%)
Above Mastery	(18%)
Mastery	(20.5%)
Partial Mastery	(21.5%)
Novice	(31.4%)

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/[530,595]	11.78	9.14	8.92	10.06	10.28	10.49	9.49	10.28	9.49	10.06	(9.6%)
2nd/[595,629]	11.26	9.02	11.19	9.70	10.52	9.50	10.18	9.29	10.04	9.29	(10.1%)
3rd/[629,639]	9.38	11.14	8.32	10.43	8.56	10.08	10.20	11.84	9.26	10.79	(5.8%)
4th/[639,654]	11.21	8.64	9.98	10.22	11.03	9.46	9.87	10.39	9.28	9.92	(11.7%)
5th/[654,666]	9.66	11.21	10.03	10.22	9.10	9.85	9.85	9.35	10.96	9.78	(11%)
6th/[666,675]	8.79	9.29	9.51	9.73	10.73	10.88	10.59	9.51	10.09	10.88	(9.5%)
7th/[675,687]	10.65	9.87	10.26	10.48	9.64	8.58	10.43	10.93	9.30	9.87	(12.2%)
8th/[687,697]	10.25	11.93	8.84	8.98	9.96	9.47	9.19	10.04	10.11	11.23	(9.7%)
9th/[697,710]	9.94	8.36	10.15	10.70	10.01	10.15	9.53	9.88	10.15	11.12	(9.9%)
10th/[710,836]	9.33	10.05	10.31	9.40	9.79	10.38	10.25	9.92	10.90	9.66	(10.5%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution