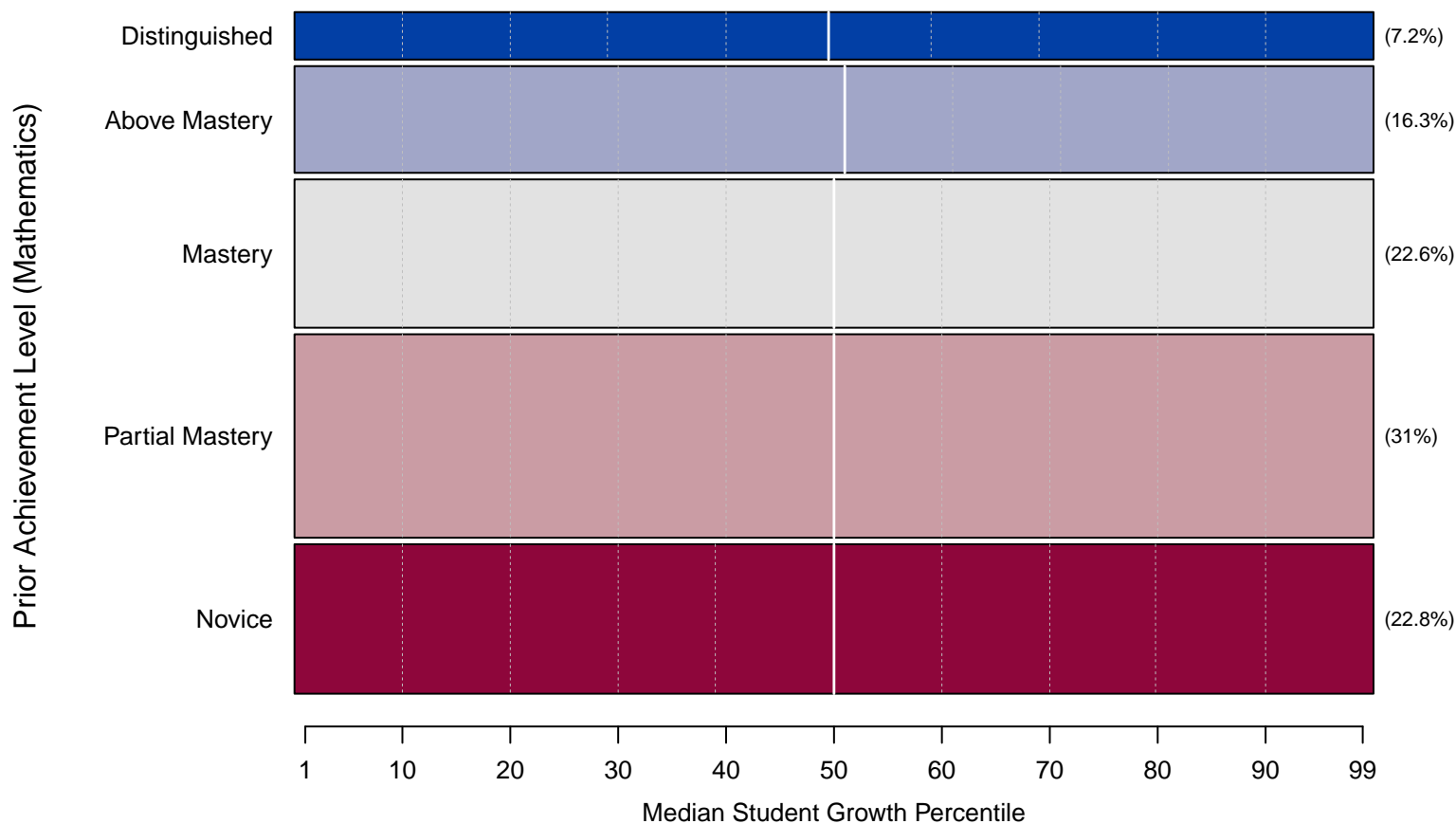# Student Growth Percentile Goodness–of–Fit Descriptives

2013–2014 Mathematics SGP, Grade 6 (N = 19,128)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

Distinguished	(7.2%)
Above Mastery	(16.3%)
Mastery	(22.6%)
Partial Mastery	(31%)
Novice	(22.8%)

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/[430,548)	9.90	9.67	9.45	10.41	10.07	9.95	9.56	10.29	10.07	10.63	(9.2%)
2nd/[548,571)	9.93	10.30	11.04	9.41	9.98	10.09	10.72	9.56	9.46	9.51	(9.9%)
3rd/[571,582)	10.29	9.29	9.58	11.29	9.36	9.72	9.08	9.94	10.79	10.65	(7.3%)
4th/[582,597)	9.23	10.37	9.76	10.06	10.24	9.54	10.02	10.10	9.10	11.59	(12%)
5th/[597,610)	9.84	9.70	10.25	9.93	9.84	10.34	10.25	10.02	10.25	9.57	(11.4%)
6th/[610,618)	9.69	10.28	10.55	9.76	9.23	9.23	10.48	9.49	10.81	10.48	(7.9%)
7th/[618,630)	8.86	9.63	9.86	10.27	10.49	10.09	9.91	10.76	9.91	10.22	(11.6%)
8th/[630,643)	9.61	9.96	9.91	10.45	9.21	10.00	10.05	9.36	9.21	12.23	(10.6%)
9th/[643,656)	10.30	10.48	10.42	10.17	9.62	9.00	10.30	9.68	10.11	9.93	(8.4%)
10th/[656,830]	9.47	9.87	9.47	9.78	10.05	10.23	10.19	10.14	10.37	10.41	(11.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution