Student Growth Percentile Goodness–of–Fit Descriptives
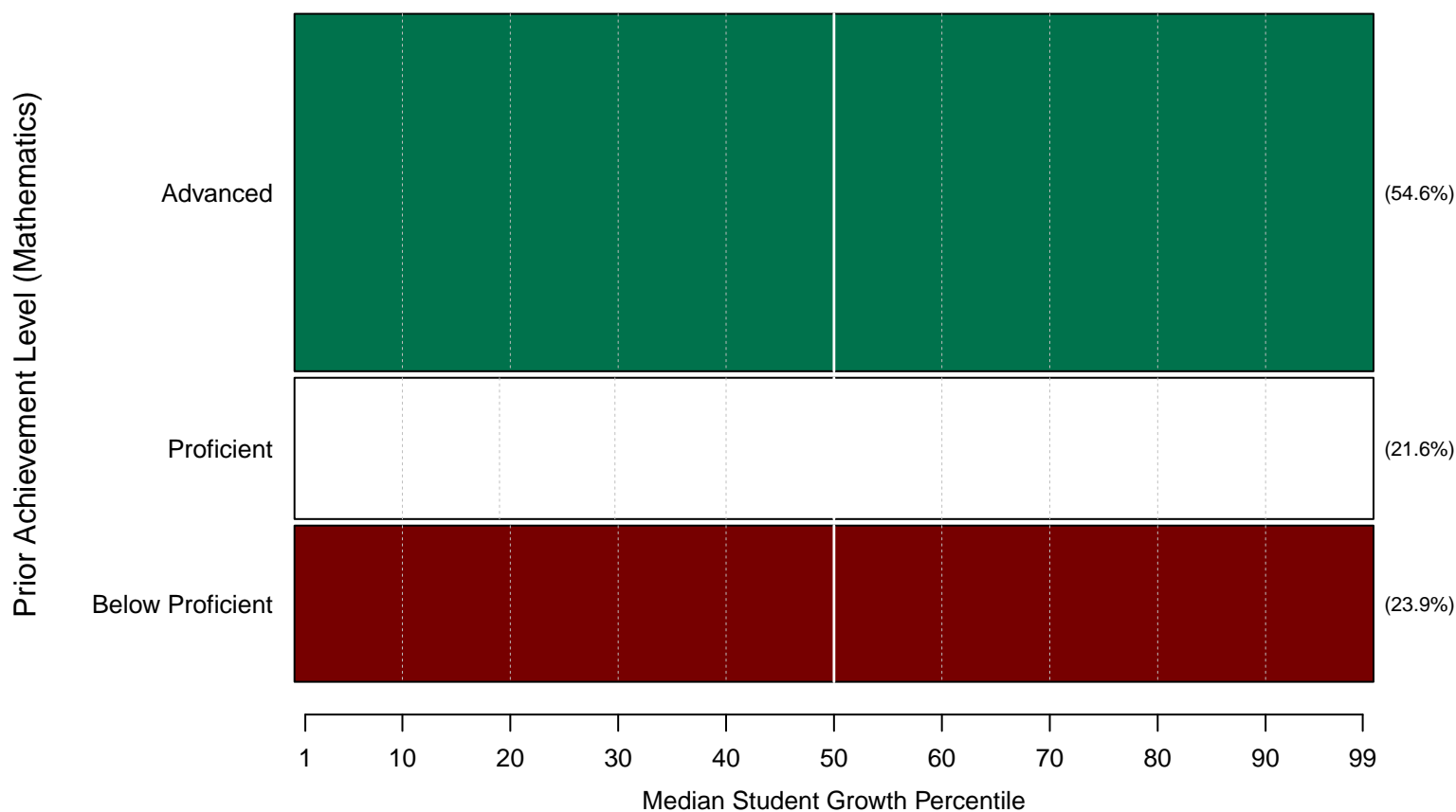
2013 Mathematics SGP, Grade 7 (N = 40,984)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (54.6%)
- Proficient (21.6%)
- Below Proficient (23.9%)

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

Student Growth Percentile Range

Prior Scale Score Decile/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/[130,153)	10.02	10.53	9.36	9.90	9.87	10.36	9.73	10.19	9.60	10.44	(10%)
2nd/[153,157)	9.40	9.12	10.60	9.86	10.11	9.44	10.53	9.79	10.78	10.36	(6.9%)
3rd/[157,161)	9.34	10.34	9.90	10.02	10.63	10.20	9.50	9.61	9.77	10.70	(10.8%)
4th/[161,165)	9.92	10.28	10.28	9.84	9.50	9.26	9.70	10.50	10.48	10.22	(12.1%)
5th/[165,167)	9.63	10.06	8.93	9.80	10.29	11.14	10.31	9.38	9.75	10.71	(8.6%)
6th/[167,170)	9.56	9.95	10.05	10.42	10.14	9.18	10.14	9.74	9.28	11.54	(10.5%)
7th/[170,172)	9.09	9.61	9.89	10.16	10.34	10.47	10.02	8.95	10.13	11.34	(7.1%)
8th/[172,176)	9.43	10.26	10.22	10.03	9.64	10.05	9.77	10.81	10.39	9.41	(12.9%)
9th/[176,180)	10.29	10.40	9.76	9.74	9.53	9.59	9.88	9.94	10.23	10.64	(8.4%)
10th/[180,199)	9.43	9.61	10.07	10.14	9.99	9.93	10.52	10.08	9.66	10.56	(12.8%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Empirical SGP Distribution: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100