Student Growth Percentile Goodness–of–Fit Descriptives
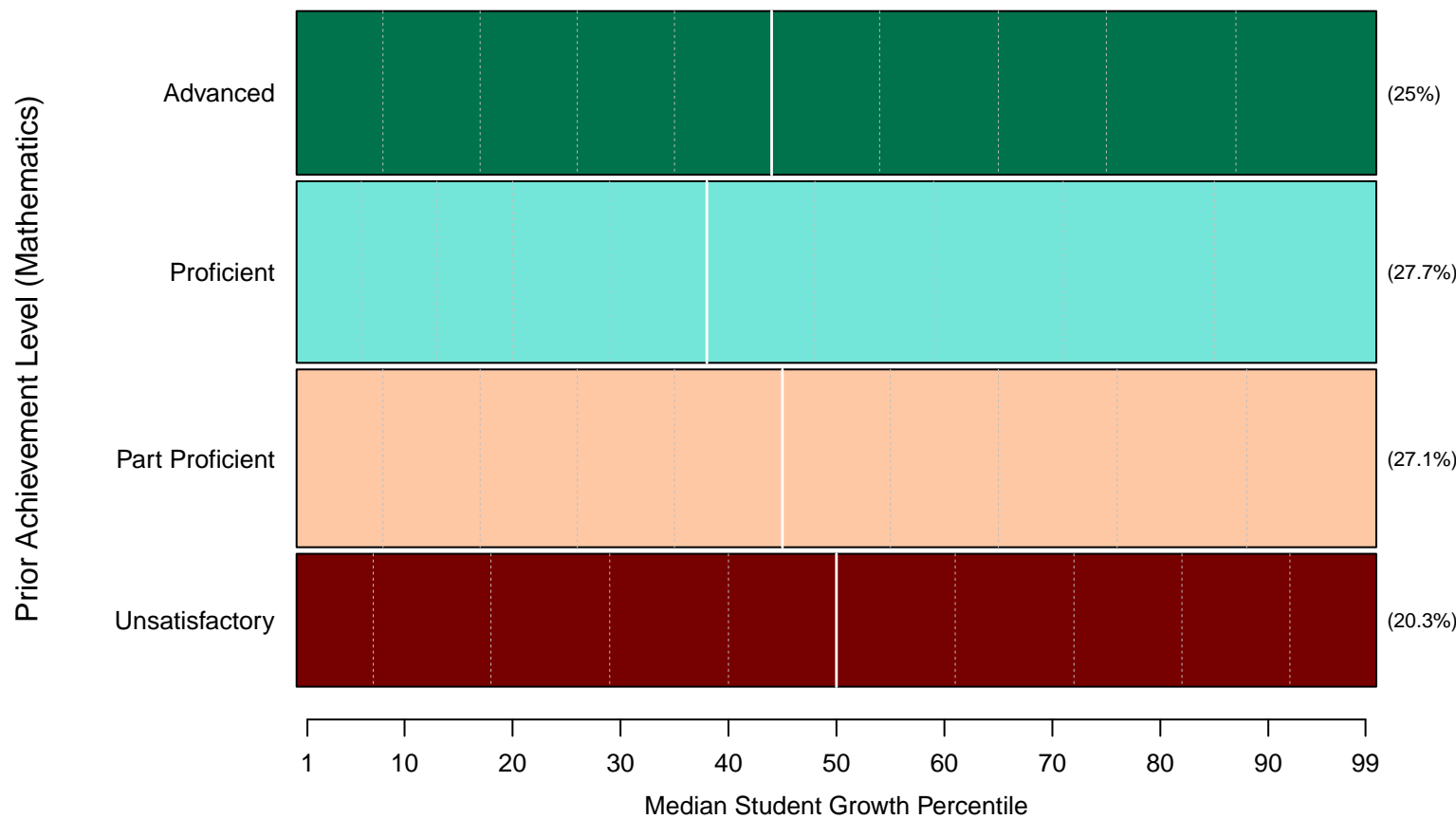
2013 Mathematics SGP, Grade 9 (N = 55,282)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (25%)
- Proficient (27.7%)
- Part Proficient (27.1%)
- Unsatisfactory (20.3%)

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/[310,487)	13.69	9.03	9.25	9.41	9.98	8.76	8.32	9.01	9.89	12.65	(9.9%)
2nd/[487,520)	10.87	9.94	8.55	9.13	9.29	9.33	10.21	9.58	9.62	13.49	(10%)
3rd/[520,544)	11.38	9.84	10.10	10.01	9.65	10.03	9.68	10.15	8.79	10.37	(10%)
4th/[544,563)	11.42	11.04	11.55	10.49	10.73	9.24	9.42	8.93	8.10	9.09	(9.8%)
5th/[563,581)	12.53	13.06	12.38	10.78	10.61	9.21	9.59	8.18	7.03	6.63	(9.9%)
6th/[581,599)	14.66	13.85	12.13	10.49	9.66	9.35	8.61	7.51	7.00	6.74	(10.3%)
7th/[599,618)	15.24	14.36	12.33	10.23	9.68	9.37	8.55	6.86	6.89	6.48	(10.1%)
8th/[618,638)	15.32	13.83	10.80	10.17	9.69	9.66	8.09	7.83	7.85	6.76	(9.9%)
9th/[638,663)	13.36	11.66	10.38	11.90	9.73	9.87	9.26	8.61	7.96	7.27	(10%)
10th/[663,890]	8.79	9.87	10.21	11.47	10.01	10.55	11.09	9.53	9.98	8.51	(10.1%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution