Student Growth Percentile Goodness–of–Fit Descriptives
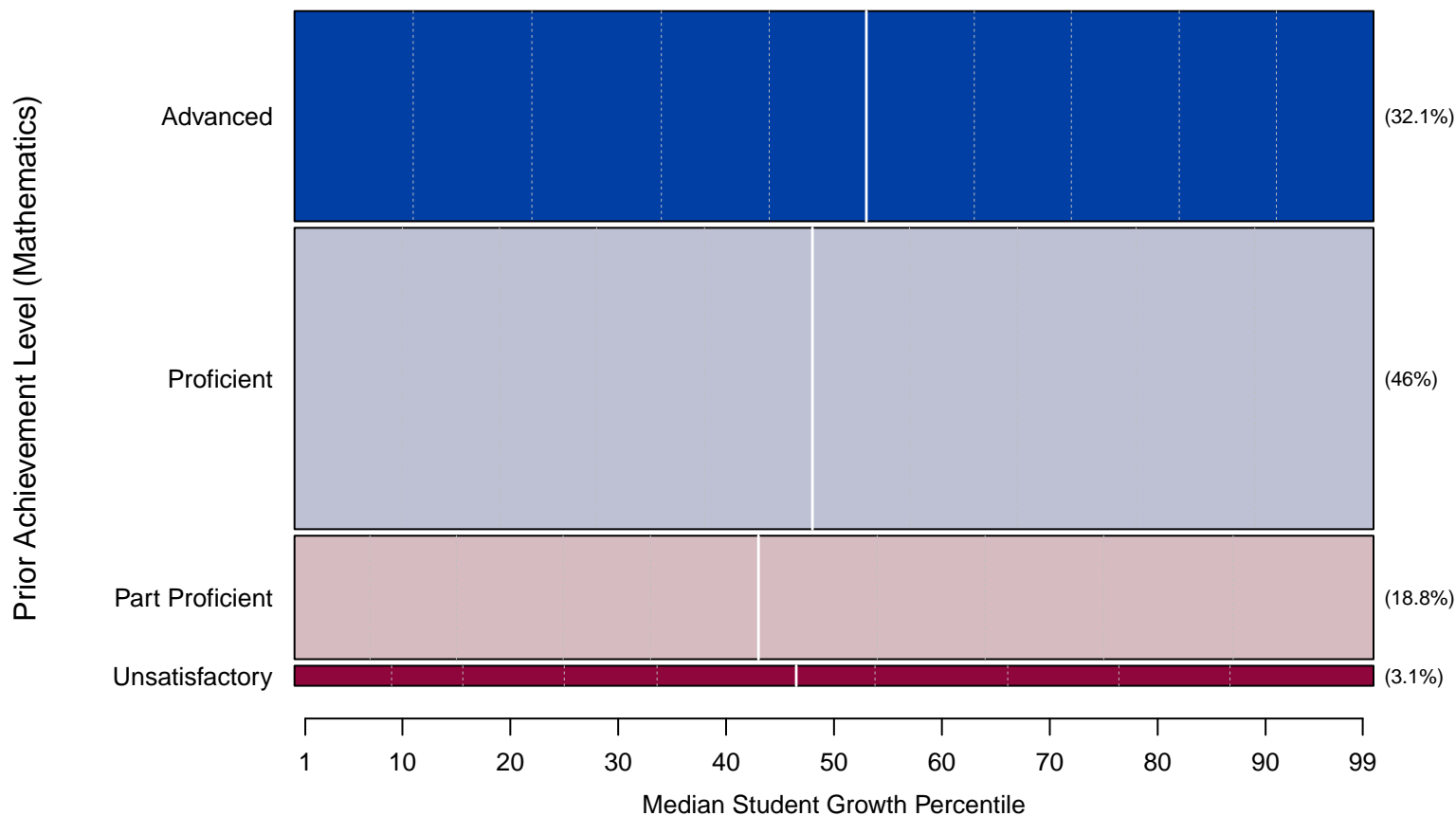
2011–2012 Mathematics SGP, Grade 4 (N = 4,054)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Mathematics)

- Advanced (32.1%)
- Proficient (46%)
- Part Proficient (18.8%)
- Unsatisfactory (3.1%)

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/[150,381]	11.88	12.38	10.89	11.39	8.66	9.90	7.92	10.15	9.16	7.67	(10%)
2nd/[381,414]	15.59	11.88	9.41	10.40	9.90	9.16	9.16	8.66	8.42	7.43	(10%)
3rd/[414,437]	8.91	11.20	11.96	10.18	11.70	10.43	10.94	6.62	9.16	8.91	(9.7%)
4th/[437,457]	11.40	11.64	10.21	9.03	9.03	9.50	9.98	10.93	8.79	9.50	(10.4%)
5th/[457,476]	7.39	12.14	11.35	10.29	12.40	10.55	7.12	10.03	8.97	9.76	(9.3%)
6th/[476,495]	9.55	10.50	11.93	9.07	10.74	7.64	11.46	11.22	9.31	8.59	(10.3%)
7th/[495,515]	8.67	9.64	8.19	9.16	10.36	11.57	12.53	9.88	9.88	10.12	(10.2%)
8th/[515,538]	8.88	9.14	8.88	10.91	9.64	13.20	9.90	9.90	9.90	9.64	(9.7%)
9th/[538,576]	7.82	9.29	9.78	10.27	9.54	11.25	9.29	11.00	11.00	10.76	(10.1%)
10th/[576,700]	8.41	9.86	7.45	9.62	9.86	10.10	9.86	8.89	12.74	13.22	(10.3%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution