TECHNICAL REPORT

PART IV - APPENDIX FOR POOLED ANALYSIS

(ARKANSAS, IOWA, LOUISIANA, MISSISSIPPI, NEBRASKA, OHIO, TENNESSEE, AND WEST VIRGINIA)

English Language Proficiency Assessment for the 21st Century -

Listening, Reading, Speaking, and Writing

Grades K-12

2024-2025 Administration

Submitted to
ELPA21

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Section 1: Summative Assessment - Student Participation

Table S1.1: Students Who Participated in Each Mode of Testing - Summative

Grade	Total	Braille		Online		Paper	
		N	%	N	%	N	%
K	≥42,040	<10	0.00	≥41,950	99.77	≥90	0.22
1	≥41,270	<10	0.00	≥41,190	99.80	≥80	0.19
2	≥37,830	<10	0.00	≥37,770	99.85	≥50	0.15
3	≥33,800	<10	0.01	≥33,760	99.88	≥30	0.11
4	≥28,480	<10	0.00	≥28,450	99.89	≥30	0.11
5	≥24,560	<10	0.01	≥24,540	99.93	≥10	0.06
6	≥22,020	<10	0.00	≥22,000	99.90	≥20	0.09
7	≥20,970	<10	0.00	≥20,950	99.92	≥10	0.08
8	≥20,550	<10	0.01	≥20,540	99.92	≥10	0.07
9	≥23,260	<10	0.01	≥23,250	99.97	<10	0.02
10	≥20,990	<10	0.00	≥20,990	100.00	<10	0.00
11	≥17,340	<10	0.00	≥17,340	99.99	<10	0.01
12	≥13,490	<10	0.01	≥13,490	99.99	<10	0.00
Total	≥346,660	≥10	0.00	≥346,280	99.89	≥360	0.11

Table S1.2: Student Participation by Subgroups - Summative

Subgroup	Status	K		1		2-3		4-5		6-8		9-12	
		N	%	N	%	N	%	N	%	N	%	N	%
Total		≥42,040	100.0	≥41,270	100.0	≥71,630	100.0	≥53,050	100.0	≥63,550	100.0	≥75,090	100.0
Grade	**K**	≥42,040	100.0										
	1			≥41,270	100.0								
	2					≥37,830	52.8						
	3					≥33,800	47.2						
	4							≥28,480	53.7				
	5							≥24,560	46.3				
	6									≥22,020	34.7		
	7									≥20,970	33.0		
	8									≥20,550	32.3		
	9											≥23,260	31.0
	10											≥20,990	28.0
	11											≥17,340	23.1
	12											≥13,490	18.0
Gender	**Female**	≥20,540	48.9	≥19,960	48.4	≥33,840	47.3	≥24,630	46.4	≥28,710	45.2	≥33,760	45.0
	Male	≥21,220	50.5	≥21,080	51.1	≥37,480	52.3	≥28,170	53.1	≥34,600	54.4	≥41,020	54.6
	Missing	≥270	0.7	≥220	0.6	≥300	0.4	≥240	0.5	≥230	0.4	≥310	0.4

Subgroup	Status	K		1		2-3		4-5		6-8		9-12	
		N	%	N	%	N	%	N	%	N	%	N	%
Ethnicity	**American Indian or Alaska Native**	≥220	0.5	≥220	0.5	≥360	0.5	≥270	0.5	≥320	0.5	≥480	0.6
	Asian	≥4,900	11.7	≥4,980	12.1	≥7,120	10.0	≥4,660	8.8	≥5,200	8.2	≥5,530	7.4
	Black or African American	≥4,000	9.5	≥3,790	9.2	≥5,990	8.4	≥4,650	8.8	≥5,810	9.2	≥8,040	10.7
	Hispanic or Latino	≥27,750	66.0	≥27,270	66.1	≥50,270	70.2	≥37,680	71.0	≥45,310	71.3	≥52,870	70.4
	Native Hawaiian or Other Pacific Islander	≥640	1.5	≥660	1.6	≥1,140	1.6	≥920	1.7	≥1,340	2.1	≥1,540	2.1
	Two or More Races	≥470	1.1	≥430	1.1	≥750	1.0	≥500	1.0	≥600	1.0	≥680	0.9
	White	≥3,840	9.2	≥3,720	9.0	≥5,740	8.0	≥4,190	7.9	≥4,790	7.6	≥5,790	7.7
	Other/Unknown	≥180	0.4	≥170	0.4	≥230	0.3	≥150	0.3	≥150	0.2	≥130	0.2

Section 2: Summative Assessment - Raw Score Summary

* Students with at least one domain exemption are held out of the totals for that domain and the overall totals but are left in the totals for other domains.

Table S2.1: Summative Raw Score Summary - Kindergarten

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥9,580	0	9.3	16	2.8
	2	≥6,300	10	14.2	18	1.4
	3	≥18,820	12	17.3	20	1.4
	4	≥3,790	16	18.9	20	0.8
	5	≥3,400	17	19.5	20	0.6
Reading	1	≥9,460	0	10.1	17	2.9
	2	≥7,630	10	15.0	20	1.5
	3	≥13,980	14	18.3	22	1.4
	4	≥5,170	18	20.2	22	0.9
	5	≥5,500	19	21.0	22	0.8
Speaking	1	≥11,290	0	3.3	9	2.6
	2	≥6,480	5	9.2	12	1.1
	3	≥12,420	8	12.2	15	1.1
	4	≥4,790	11	14.0	16	0.7
	5	≥6,520	12	15.2	16	0.7
Writing	1	≥15,900	0	3.4	7	1.4
	2	≥13,520	4	7.8	12	1.6
	3	≥8,940	9	13.1	16	1.5
	4	≥1,280	15	15.6	16	0.5
	5	≥2,060	15	16.0	16	0.1
Overall	Emerging	≥12,190	0	31.2	54	9.1
	Progressing	≥27,090	23	56.4	73	7.9
	Proficient	≥2,170	65	70.7	74	1.7

Table S2.2: Summative Raw Score Summary - Grade 1

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥6,420	0	9.1	15	2.4
	2	≥3,430	10	13.5	17	1.2
	3	≥11,520	12	16.8	20	1.3
	4	≥8,690	16	18.8	20	0.8
	5	≥11,080	17	19.6	20	0.6
Reading	1	≥13,180	0	10.2	18	2.4
	2	≥6,280	9	13.9	19	1.4
	3	≥10,850	11	16.2	22	1.5
	4	≥5,120	15	18.7	24	1.4
	5	≥5,550	17	21.6	24	1.6
Speaking	1	≥13,160	0	7.6	13	3.8
	2	≥9,720	8	12.7	15	0.9
	3	≥3,650	11	13.7	15	0.7
	4	≥5,470	11	14.3	15	0.7
	5	≥8,780	11	14.9	15	0.4
Writing	1	≥16,900	0	6.4	14	3.3
	2	≥7,330	11	14.1	17	1.1
	3	≥9,650	14	16.2	17	0.7
	4	≥2,980	16	16.9	17	0.3
	5	≥4,100	16	17.0	17	0.1
Overall	Emerging	≥8,770	0	34.0	59	9.8
	Progressing	≥25,720	26	58.6	74	8.3
	Proficient	≥6,230	65	71.5	76	2.5

Table S2.3: Summative Raw Score Summary - Grade 2

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,870	0	7.6	12	2.2
	2	≥2,740	8	11.9	16	1.3
	3	≥11,150	11	16.3	21	1.8
	4	≥10,110	15	19.5	22	1.2
	5	≥9,850	17	21.1	22	0.9
Reading	1	≥11,400	0	12.2	20	2.7
	2	≥6,210	10	16.0	24	1.9
	3	≥10,090	13	20.2	28	2.5
	4	≥4,740	18	25.0	31	1.9
	5	≥5,120	22	28.3	32	1.9
Speaking	1	≥12,040	0	5.9	12	3.2
	2	≥7,260	6	10.7	14	1.0
	3	≥5,520	9	12.1	15	0.9
	4	≥6,240	9	13.1	15	0.9
	5	≥6,380	11	14.2	15	0.8
Writing	1	≥11,920	0	3.2	10	2.1
	2	≥5,790	3	8.7	13	1.4
	3	≥9,610	6	12.3	18	1.6
	4	≥4,840	10	14.9	19	1.2
	5	≥5,390	13	17.0	20	1.3
Overall	Emerging	≥6,220	0	28.9	52	8.3
	Progressing	≥24,050	23	57.2	84	10.3
	Proficient	≥7,110	65	77.4	89	3.9

Table S2.4: Summative Raw Score Summary - Grade 3

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥2,890	0	7.6	12	2.1
	2	≥2,640	8	12.3	17	1.5
	3	≥9,330	11	17.4	22	1.8
	4	≥9,890	16	20.2	22	1.1
	5	≥8,980	18	21.4	22	0.7
Reading	1	≥11,470	0	14.0	24	3.1
	2	≥5,270	13	19.9	27	2.1
	3	≥8,720	17	24.9	32	2.2
	4	≥4,090	22	28.1	32	1.5
	5	≥4,000	24	30.0	32	1.3
Speaking	1	≥8,310	0	5.8	12	3.5
	2	≥4,780	6	11.2	14	1.1
	3	≥6,100	8	12.4	15	1.0
	4	≥7,470	10	13.5	15	0.9
	5	≥6,850	12	14.5	15	0.6
Writing	1	≥11,250	0	5.5	14	3.3
	2	≥4,880	7	12.3	17	1.4
	3	≥8,470	9	15.0	19	1.4
	4	≥4,280	13	16.8	20	1.0
	5	≥4,700	14	18.4	20	1.0
Overall	Emerging	≥5,280	0	31.6	61	9.5
	Progressing	≥21,380	20	64.7	84	10.6
	Proficient	≥6,760	72	81.7	89	2.7

Table S2.5: Summative Raw Score Summary - Grade 4

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,540	0	8.1	14	2.4
	2	≥2,310	8	12.9	17	1.5
	3	≥5,630	11	16.8	22	1.8
	4	≥9,720	16	20.4	25	1.5
	5	≥7,210	19	23.0	25	1.2
Reading	1	≥7,630	0	6.9	16	2.1
	2	≥3,870	5	10.4	17	1.7
	3	≥7,560	9	14.9	25	2.2
	4	≥4,650	15	19.8	27	1.7
	5	≥4,540	18	23.9	28	2.0
Speaking	1	≥6,200	0	5.9	14	3.6
	2	≥3,720	7	12.9	17	1.4
	3	≥5,260	9	15.3	19	1.3
	4	≥6,300	11	17.1	21	1.1
	5	≥6,770	14	19.1	22	1.2
Writing	1	≥6,780	0	3.2	10	1.7
	2	≥3,450	3	7.3	12	1.3
	3	≥10,870	6	10.9	15	1.5
	4	≥3,550	8	12.9	15	0.9
	5	≥3,620	11	13.9	15	0.8
Overall	Emerging	≥5,440	0	26.7	50	8.2
	Progressing	≥16,440	24	58.1	79	9.8
	Proficient	≥6,260	64	76.6	90	4.0

Table S2.6: Summative Raw Score Summary - Grade 5

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,920	0	9.0	16	2.6
	2	≥2,440	9	14.5	20	1.6
	3	≥3,120	13	17.7	23	1.6
	4	≥9,190	15	20.9	25	1.5
	5	≥5,830	19	23.3	25	1.1
Reading	1	≥7,240	0	7.6	16	2.2
	2	≥3,660	5	12.2	19	1.9
	3	≥7,550	11	17.9	25	2.4
	4	≥3,240	18	22.4	27	1.5
	5	≥2,660	20	25.3	28	1.6
Speaking	1	≥6,330	0	6.8	15	4.0
	2	≥3,650	8	14.1	18	1.4
	3	≥5,980	11	16.3	20	1.3
	4	≥4,300	14	18.0	21	1.0
	5	≥4,090	15	19.6	22	1.1
Writing	1	≥5,500	0	3.4	10	1.8
	2	≥2,870	3	7.6	12	1.4
	3	≥11,310	5	11.6	15	1.6
	4	≥2,590	10	13.6	15	0.8
	5	≥2,110	11	14.4	15	0.7
Overall	Emerging	≥5,840	0	30.2	55	9.6
	Progressing	≥14,650	28	63.6	83	9.4
	Proficient	≥3,770	70	79.7	89	3.1

Table S2.7: Summative Raw Score Summary - Grade 6

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,010	0	11.1	18	2.7
	2	≥2,170	10	15.7	22	1.7
	3	≥5,000	13	19.9	27	2.2
	4	≥6,730	18	24.6	30	1.7
	5	≥5,010	22	27.8	30	1.3
Reading	1	≥6,080	0	7.9	14	2.1
	2	≥3,890	5	11.2	18	1.6
	3	≥7,370	9	15.5	22	2.1
	4	≥2,640	16	19.9	27	1.5
	5	≥1,830	17	23.3	28	1.9
Speaking	1	≥5,020	0	4.2	10	2.9
	2	≥2,890	5	10.3	14	1.1
	3	≥5,920	8	12.9	16	1.1
	4	≥4,080	11	14.7	18	0.9
	5	≥3,900	12	16.5	19	1.1
Writing	1	≥4,790	0	2.2	7	1.4
	2	≥2,930	2	6.1	10	1.4
	3	≥9,060	4	10.5	15	1.7
	4	≥2,680	10	13.2	17	1.0
	5	≥2,360	11	14.8	19	1.2
Overall	Emerging	≥4,760	1	29.0	50	7.7
	Progressing	≥13,790	24	59.9	81	10.0
	Proficient	≥3,140	68	78.6	92	4.1

Table S2.8: Summative Raw Score Summary - Grade 7

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥4,330	0	12.5	20	3.0
	2	≥2,920	12	18.2	24	1.9
	3	≥6,460	16	23.4	29	2.1
	4	≥3,800	22	26.8	30	1.3
	5	≥3,390	24	28.4	30	1.1
Reading	1	≥7,680	0	8.9	17	2.4
	2	≥4,530	8	13.9	20	1.8
	3	≥6,090	13	18.6	25	2.1
	4	≥1,480	18	22.6	27	1.3
	5	≥1,020	21	25.0	28	1.5
Speaking	1	≥5,210	0	4.6	11	3.1
	2	≥3,280	6	11.1	14	1.2
	3	≥6,190	7	13.6	18	1.1
	4	≥3,000	12	15.3	18	0.9
	5	≥3,080	13	16.9	19	1.0
Writing	1	≥6,920	0	3.8	10	2.4
	2	≥3,200	4	9.4	13	1.3
	3	≥7,340	6	12.3	17	1.4
	4	≥1,800	11	14.4	18	1.0
	5	≥1,550	12	16.0	19	1.1
Overall	Emerging	≥6,350	1	33.9	60	10.0
	Progressing	≥12,480	34	66.0	85	9.0
	Proficient	≥1,830	75	83.0	95	3.4

Table S2.9: Summative Raw Score Summary - Grade 8

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,880	0	12.8	21	3.1
	2	≥2,860	12	18.8	26	2.0
	3	≥5,840	17	24.0	30	2.2
	4	≥4,110	23	27.3	30	1.2
	5	≥3,800	25	28.8	30	1.0
Reading	1	≥7,020	0	9.3	17	2.5
	2	≥4,240	9	14.8	22	1.9
	3	≥7,000	14	20.2	28	2.2
	4	≥1,210	20	24.2	28	1.3
	5	≥880	22	25.9	28	1.3
Speaking	1	≥4,750	0	4.6	12	3.1
	2	≥2,830	5	10.9	15	1.2
	3	≥6,210	8	13.7	18	1.1
	4	≥3,030	12	15.3	18	0.9
	5	≥3,510	13	17.0	19	1.1
Writing	1	≥6,450	0	4.2	13	2.6
	2	≥3,050	5	10.0	14	1.3
	3	≥7,600	6	13.0	17	1.4
	4	≥1,790	11	15.1	18	0.9
	5	≥1,490	14	16.6	19	1.1
Overall	Emerging	≥5,850	0	35.0	62	10.4
	Progressing	≥12,720	33	69.3	88	9.4
	Proficient	≥1,660	79	85.8	95	2.7

Table S2.10: Summative Raw Score Summary - Grade 9

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥6,910	0	8.7	16	2.5
	2	≥3,450	7	13.7	19	1.8
	3	≥7,100	10	18.4	25	2.3
	4	≥3,300	17	22.2	26	1.5
	5	≥2,420	20	24.3	26	1.2
Reading	1	≥10,580	0	6.5	16	2.3
	2	≥4,710	6	11.7	20	2.0
	3	≥6,520	11	17.2	26	2.4
	4	≥800	18	21.9	26	1.4
	5	≥500	21	24.0	27	1.3
Speaking	1	≥6,890	0	3.1	9	2.5
	2	≥4,510	5	10.0	14	1.6
	3	≥7,170	9	14.1	18	1.2
	4	≥2,350	14	16.4	18	0.8
	5	≥1,950	14	18.0	19	0.8
Writing	1	≥9,640	0	3.2	10	2.0
	2	≥3,750	3	8.1	14	1.3
	3	≥7,510	5	11.2	17	1.5
	4	≥1,220	10	13.9	17	1.1
	5	≥960	13	15.7	19	1.3
Overall	Emerging	≥9,200	0	25.2	51	8.6
	Progressing	≥12,670	26	58.4	81	10.1
	Proficient	≥900	69	78.9	88	3.2

Table S2.11: Summative Raw Score Summary - Grade 10

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥5,040	0	8.9	16	2.4
	2	≥3,150	7	13.7	20	1.9
	3	≥6,340	11	18.5	26	2.3
	4	≥3,300	17	22.2	26	1.5
	5	≥3,080	19	24.3	26	1.2
Reading	1	≥8,430	0	6.6	15	2.3
	2	≥4,160	6	11.8	22	2.1
	3	≥6,470	10	17.4	25	2.5
	4	≥1,070	17	22.0	26	1.4
	5	≥690	19	24.0	27	1.4
Speaking	1	≥4,960	0	3.4	9	2.5
	2	≥4,150	6	10.0	14	1.6
	3	≥6,680	9	14.1	18	1.3
	4	≥2,390	13	16.3	18	0.8
	5	≥2,430	15	17.9	19	0.8
Writing	1	≥7,450	0	3.5	12	2.0
	2	≥3,510	4	8.2	13	1.3
	3	≥7,150	5	11.3	16	1.5
	4	≥1,470	10	13.8	17	1.1
	5	≥1,240	12	15.7	19	1.3
Overall	Emerging	≥7,150	0	26.8	52	8.6
	Progressing	≥12,150	27	59.3	81	10.3
	Proficient	≥1,220	71	79.0	90	3.1

Table S2.12: Summative Raw Score Summary - Grade 11

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥3,090	0	9.1	15	2.4
	2	≥2,420	8	13.7	20	1.8
	3	≥5,240	8	18.4	25	2.3
	4	≥3,050	16	22.2	26	1.5
	5	≥3,460	18	24.3	26	1.2
Reading	1	≥5,690	0	6.6	15	2.3
	2	≥3,460	5	11.8	22	2.1
	3	≥5,980	10	17.4	25	2.5
	4	≥1,200	18	21.9	26	1.4
	5	≥890	19	24.1	27	1.5
Speaking	1	≥3,120	0	3.4	9	2.6
	2	≥3,060	6	10.1	15	1.6
	3	≥5,800	10	14.2	17	1.2
	4	≥2,320	13	16.3	18	0.8
	5	≥2,720	14	18.0	19	0.8
Writing	1	≥4,960	0	3.8	10	2.1
	2	≥2,810	3	8.1	12	1.3
	3	≥6,310	6	11.3	17	1.5
	4	≥1,550	10	13.8	18	1.1
	5	≥1,570	12	15.6	19	1.3
Overall	Emerging	≥4,650	0	28.0	49	8.5
	Progressing	≥10,800	22	60.2	83	10.4
	Proficient	≥1,490	71	79.3	89	3.3

Table S2.13: Summative Raw Score Summary - Grade 12

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,930	0	9.1	15	2.4
	2	≥1,960	8	13.7	20	1.8
	3	≥4,500	10	18.5	25	2.4
	4	≥2,400	17	22.2	26	1.5
	5	≥2,630	19	24.3	26	1.3
Reading	1	≥4,020	0	6.6	14	2.3
	2	≥2,900	4	11.8	21	2.1
	3	≥4,850	10	17.5	26	2.5
	4	≥920	18	22.0	26	1.3
	5	≥680	20	24.2	27	1.4
Speaking	1	≥2,030	0	3.2	9	2.6
	2	≥2,470	5	10.1	14	1.6
	3	≥4,730	10	14.2	17	1.3
	4	≥1,920	14	16.4	18	0.8
	5	≥2,070	14	18.0	19	0.8
Writing	1	≥3,380	0	4.0	11	2.0
	2	≥2,380	3	8.1	12	1.3
	3	≥5,290	6	11.2	17	1.6
	4	≥1,200	10	13.8	18	1.1
	5	≥1,110	12	15.7	19	1.3
Overall	Emerging	≥3,160	0	29.2	49	8.4
	Progressing	≥8,870	26	59.7	84	10.5
	Proficient	≥1,140	71	79.3	89	3.3

Section 3: Summative Assessment - Raw Score Distributions

Figure S3.1: Summative Raw Score Distributions - Kindergarten Listening

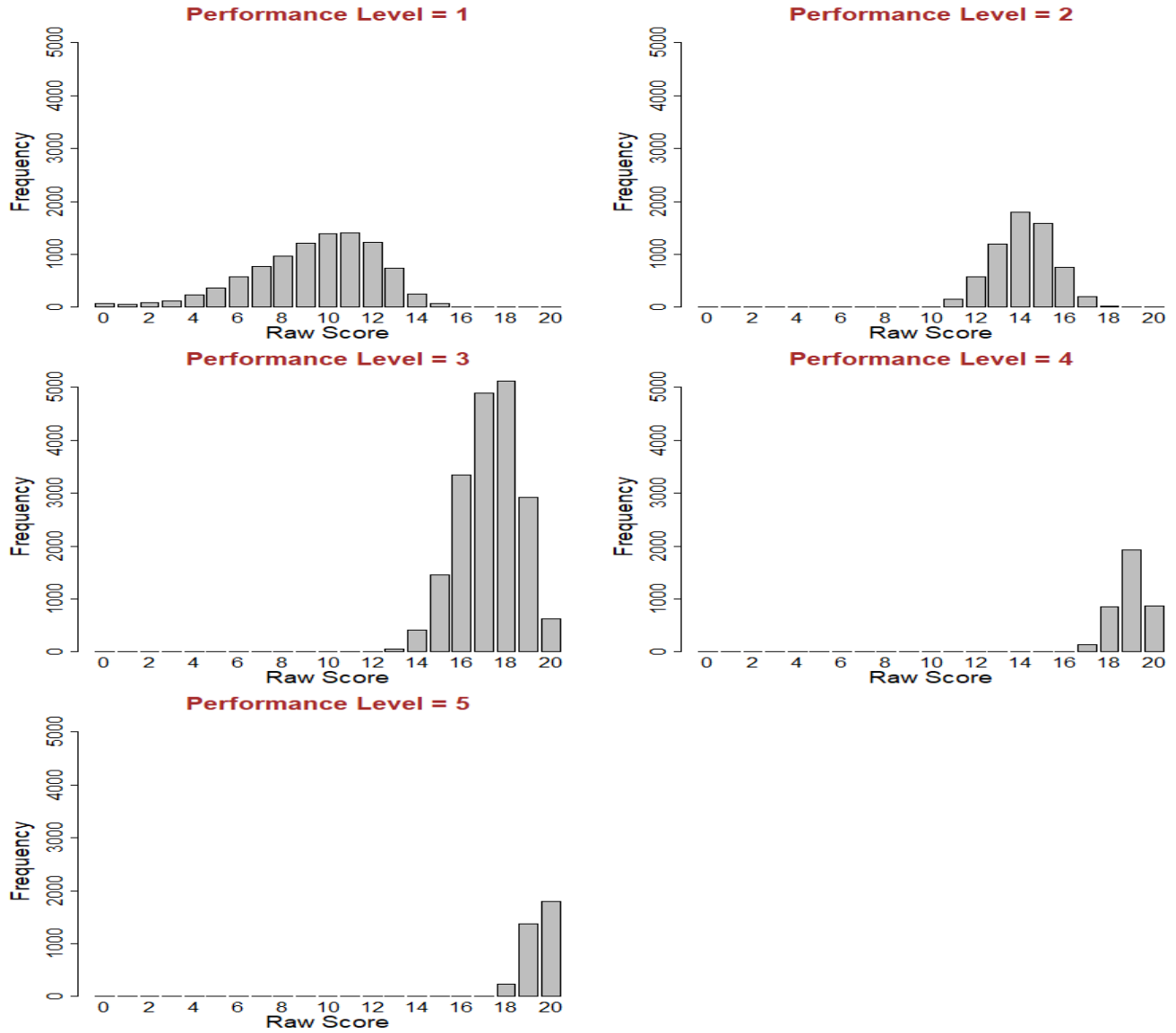


Figure S3.2: Summative Raw Score Distributions - Kindergarten Reading

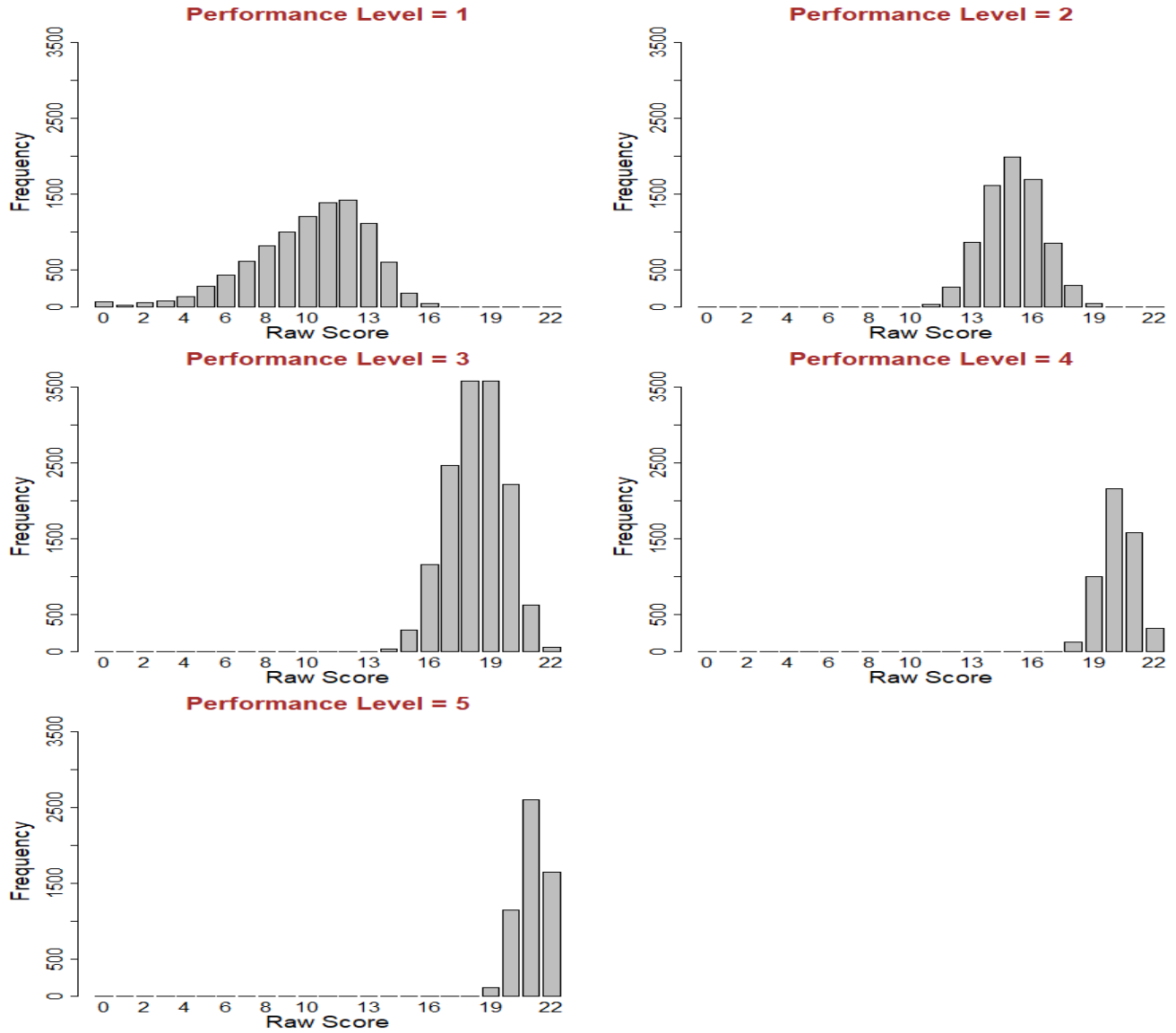


Figure S3.3: Summative Raw Score Distributions - Kindergarten Speaking

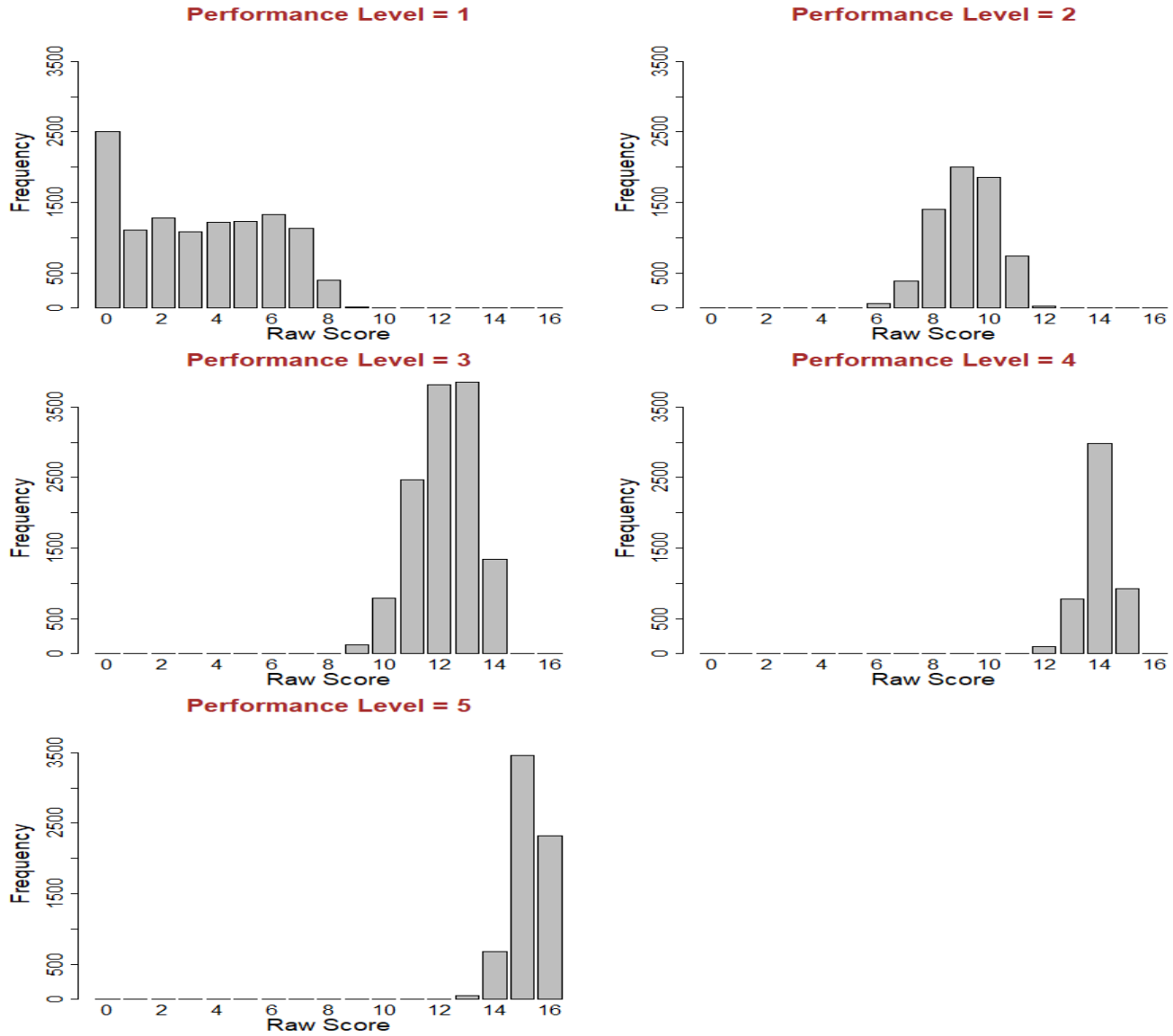


Figure S3.4: Summative Raw Score Distributions - Kindergarten Writing

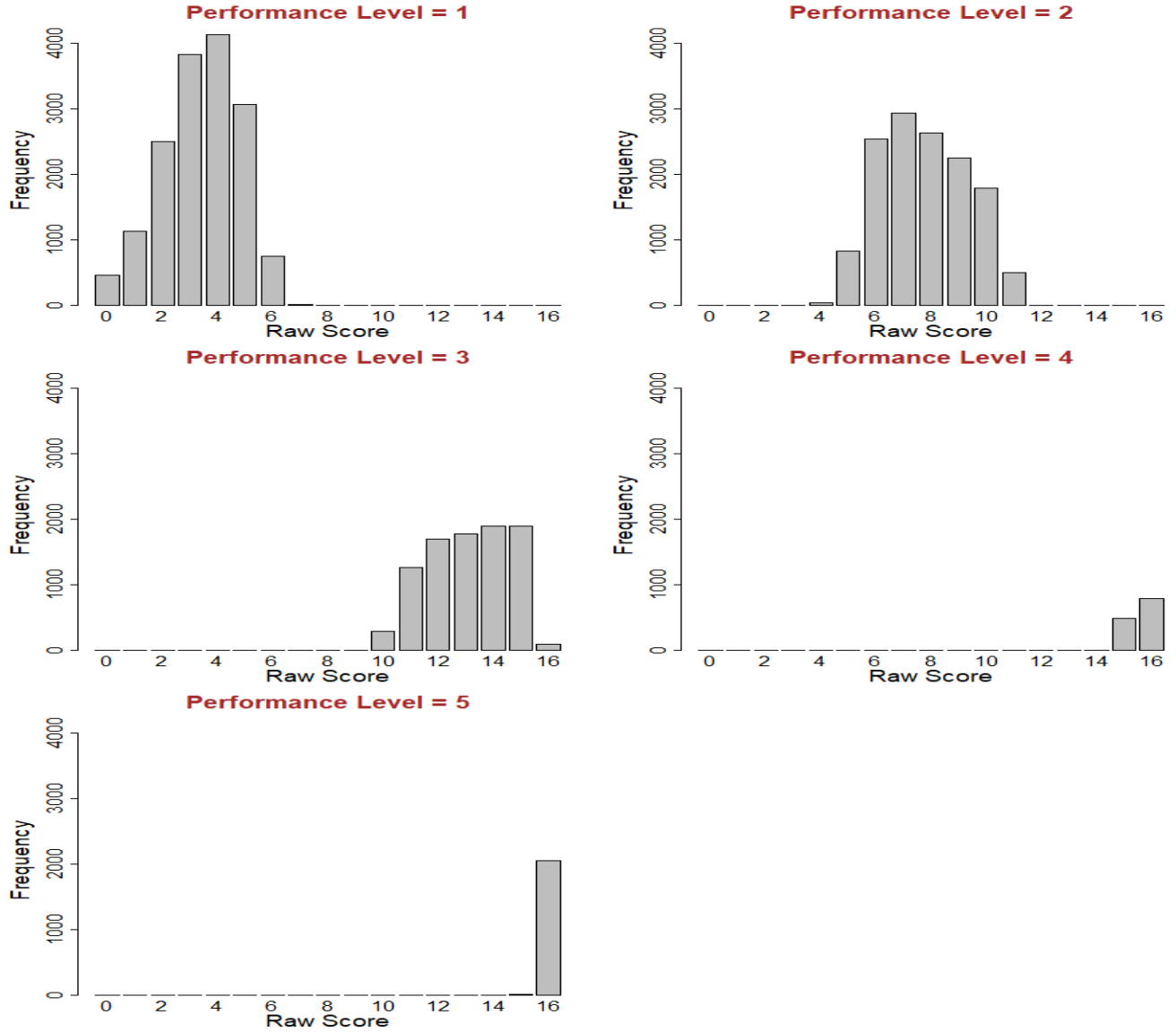


Figure S3.5: Summative Raw Score Distributions - Kindergarten Overall

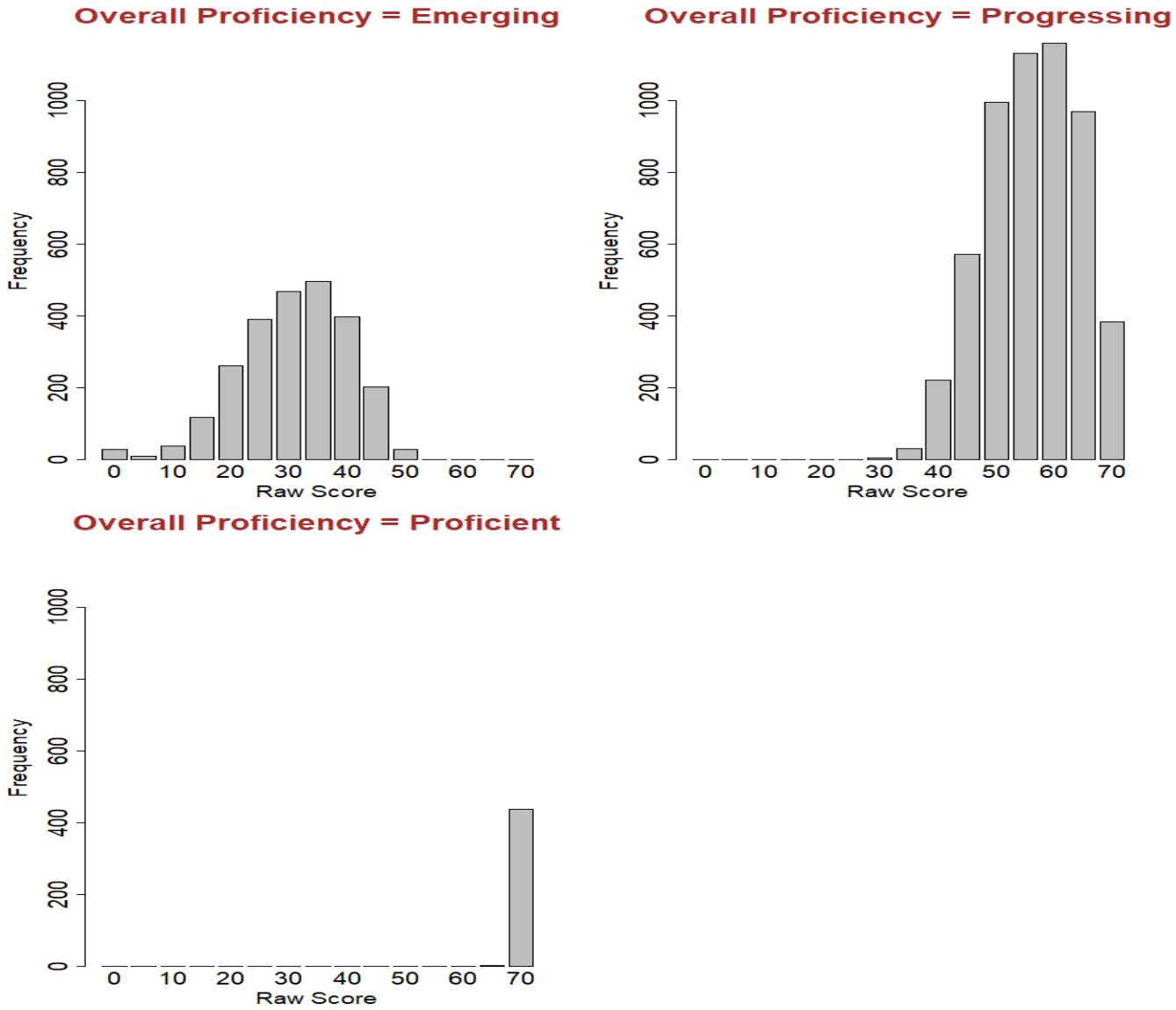


Figure S3.6: Summative Raw Score Distributions - Grade 1 Listening

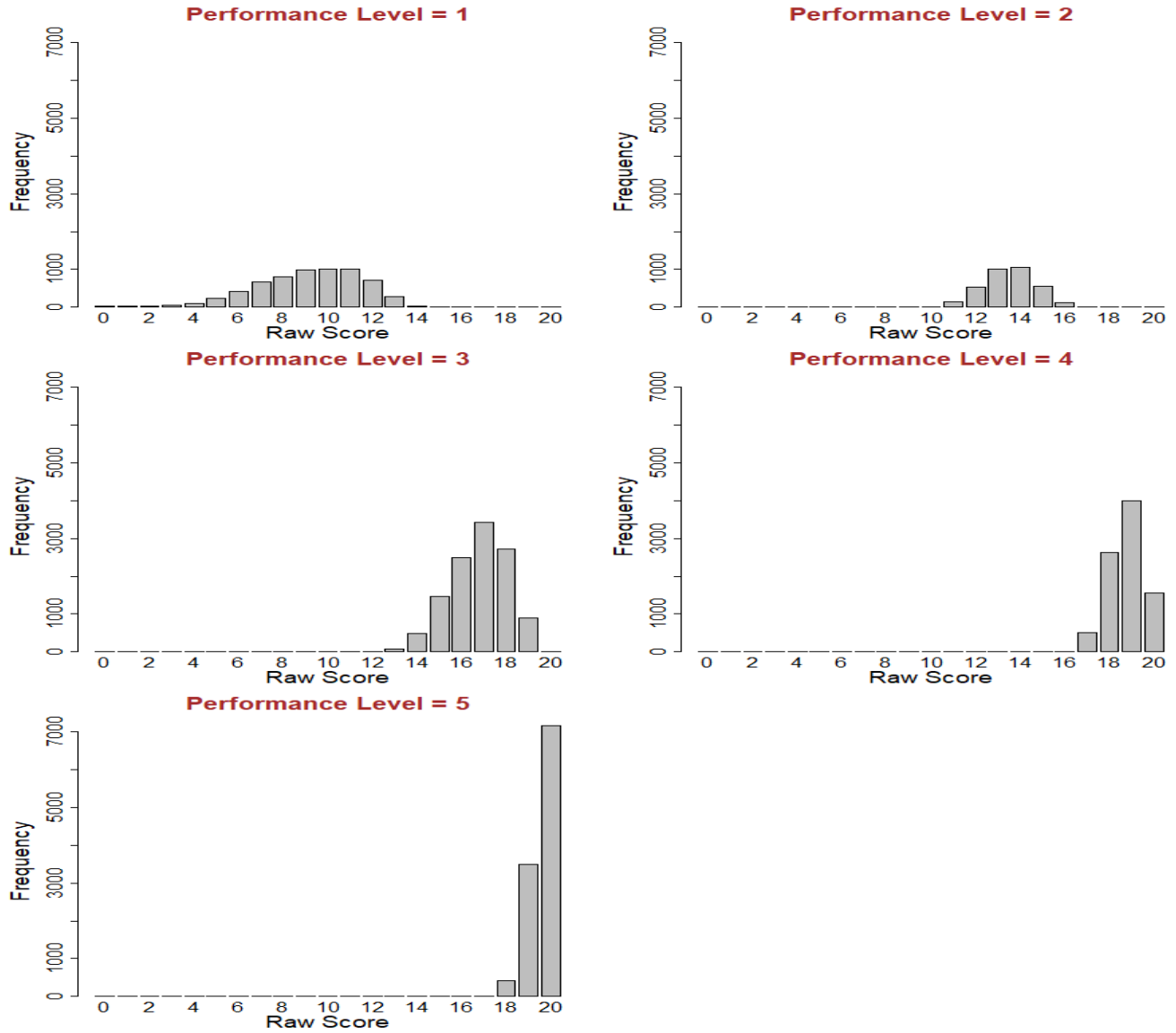


Figure S3.7: Summative Raw Score Distributions - Grade 1 Reading

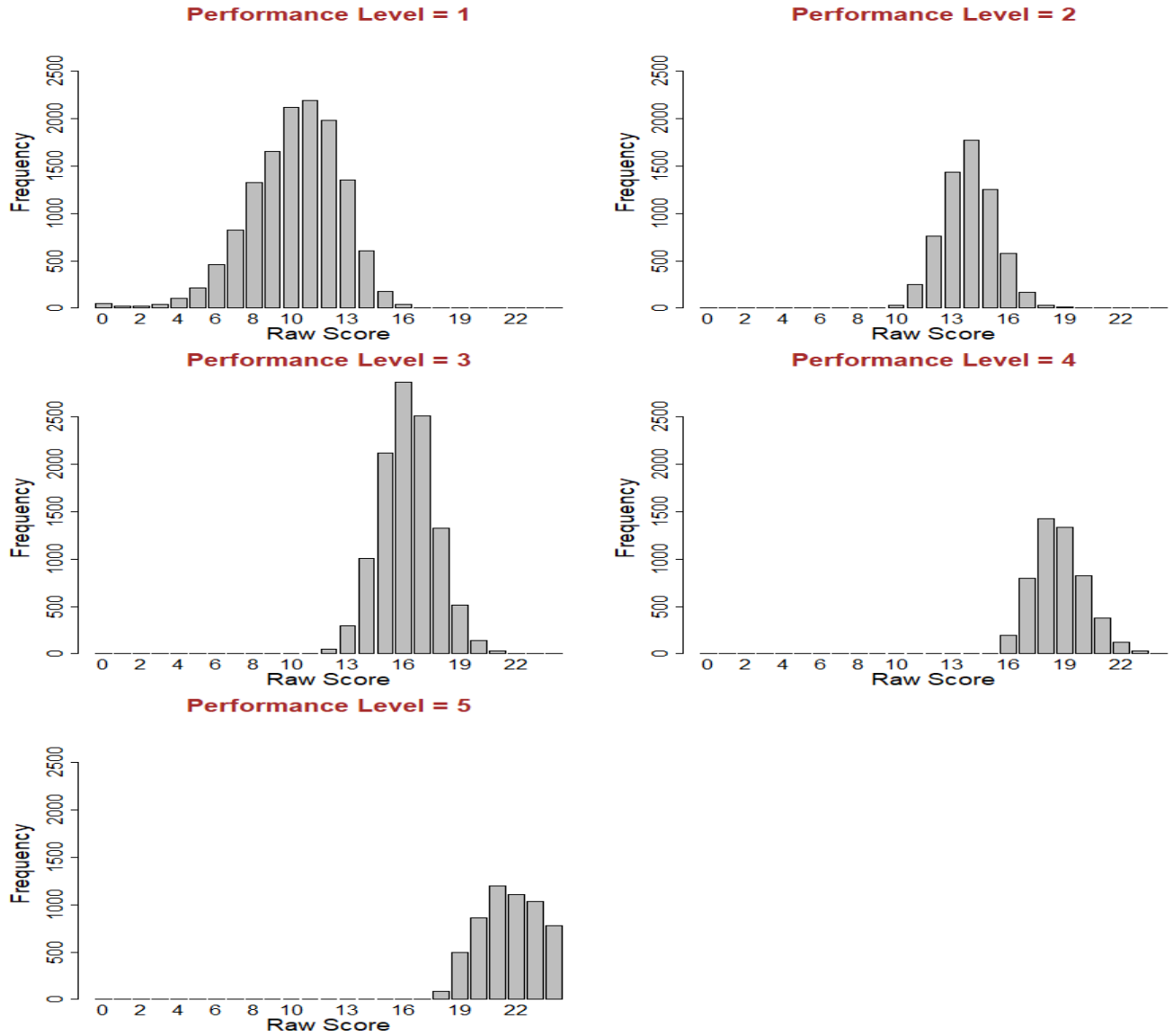


Figure S3.8: Summative Raw Score Distributions - Grade 1 Speaking

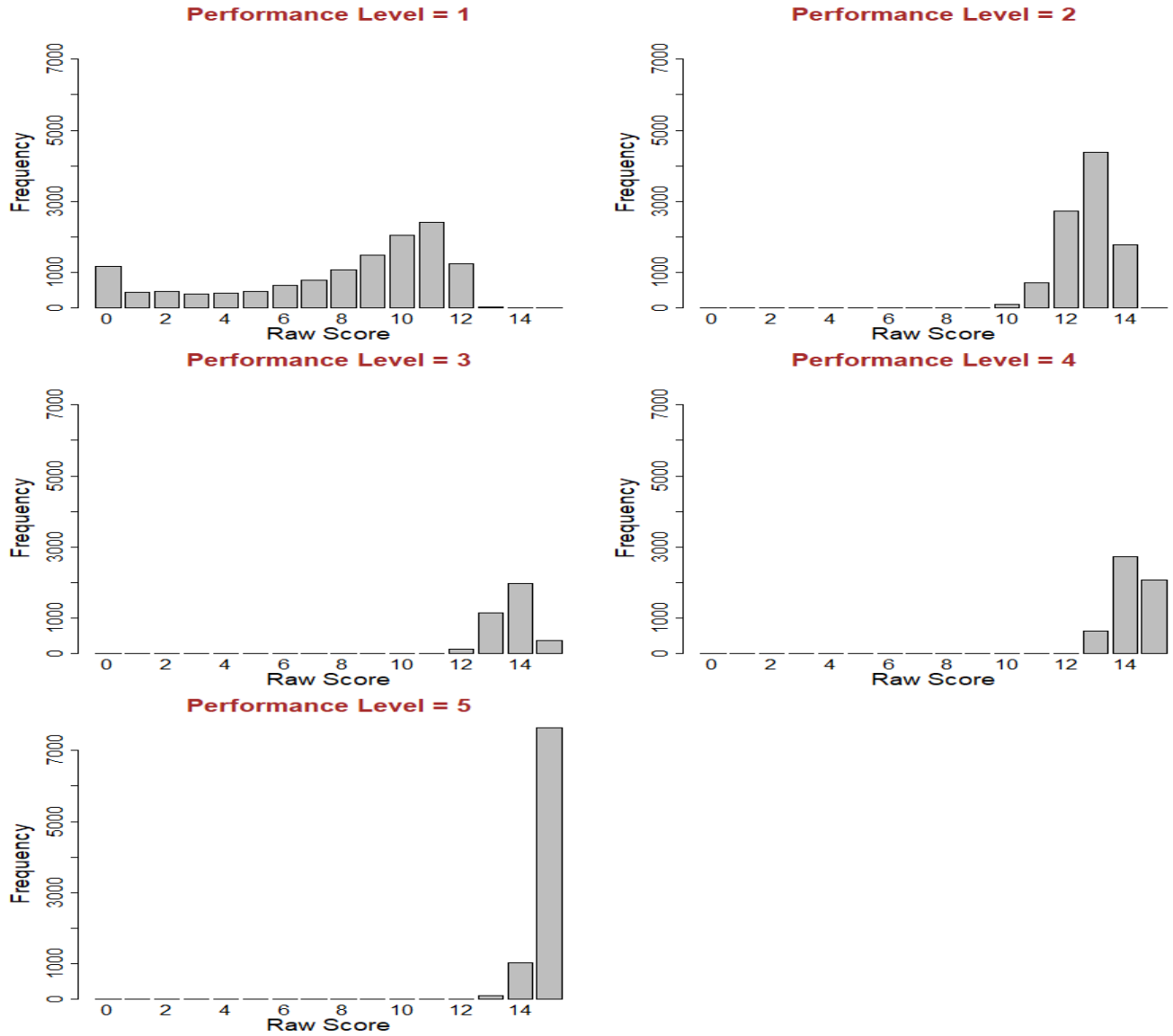


Figure S3.9: Summative Raw Score Distributions - Grade 1 Writing

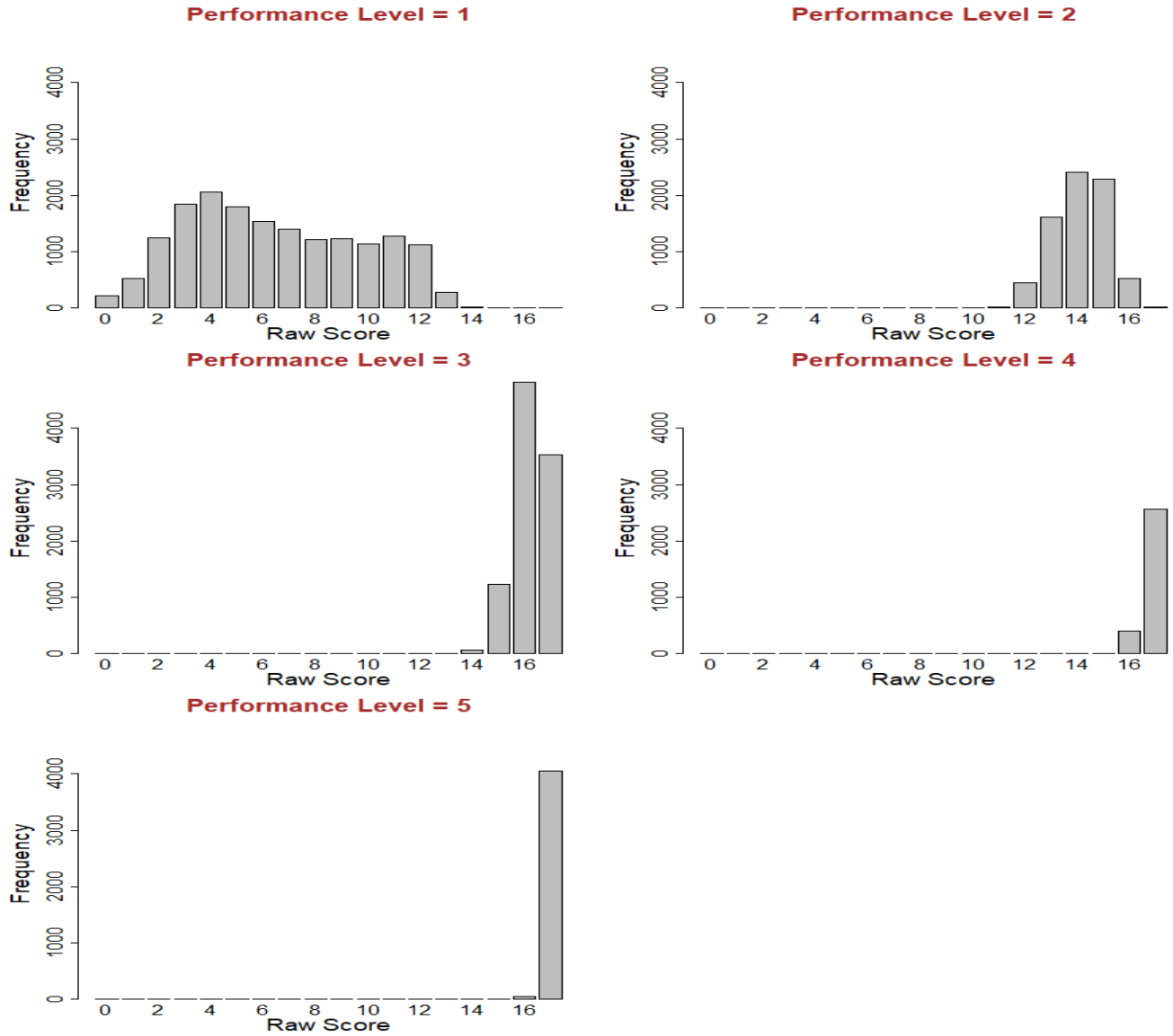


Figure S3.10: Summative Raw Score Distributions - Grade 1 Overall

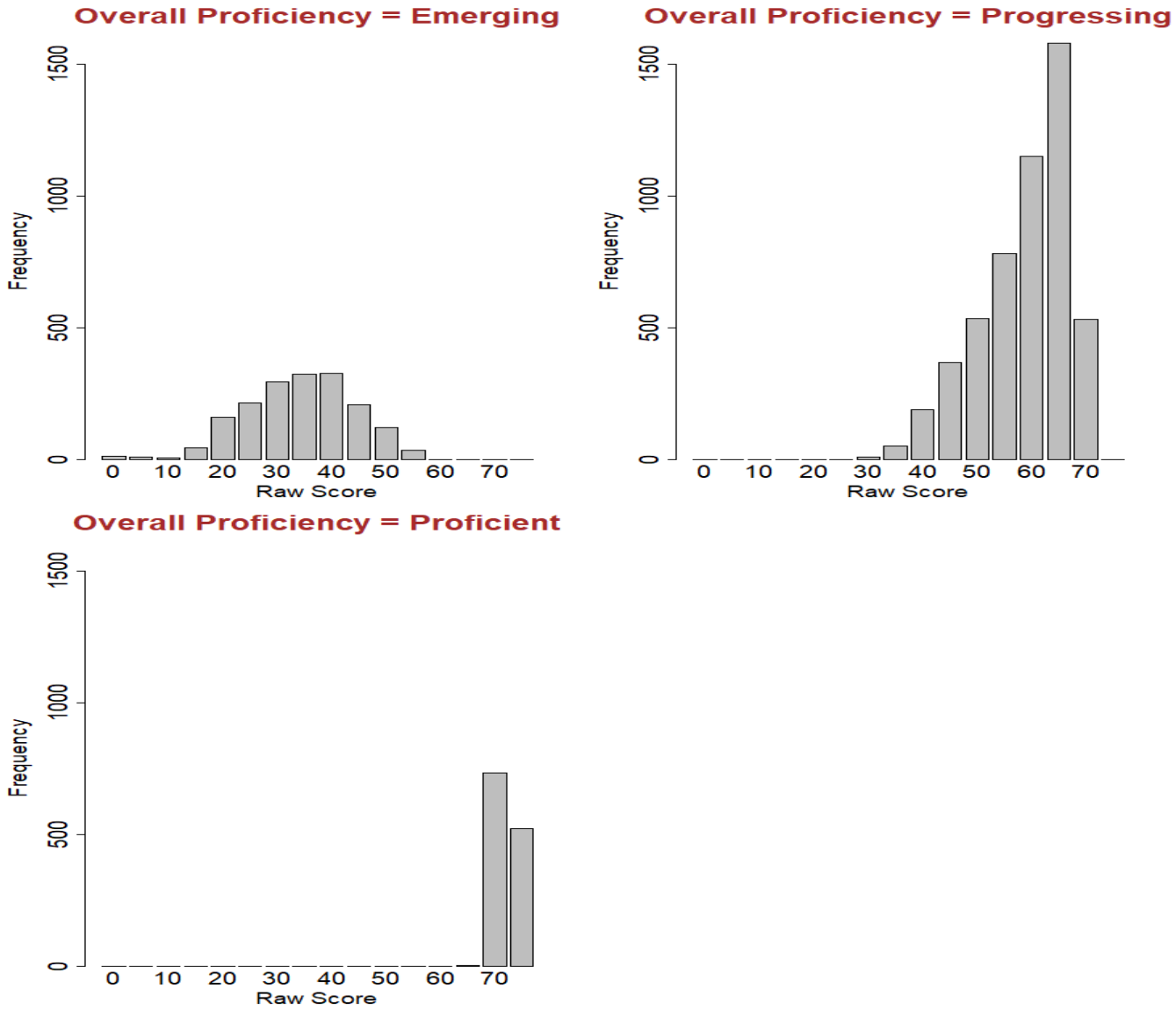


Figure S3.11: Summative Raw Score Distributions - Grade 2 Listening

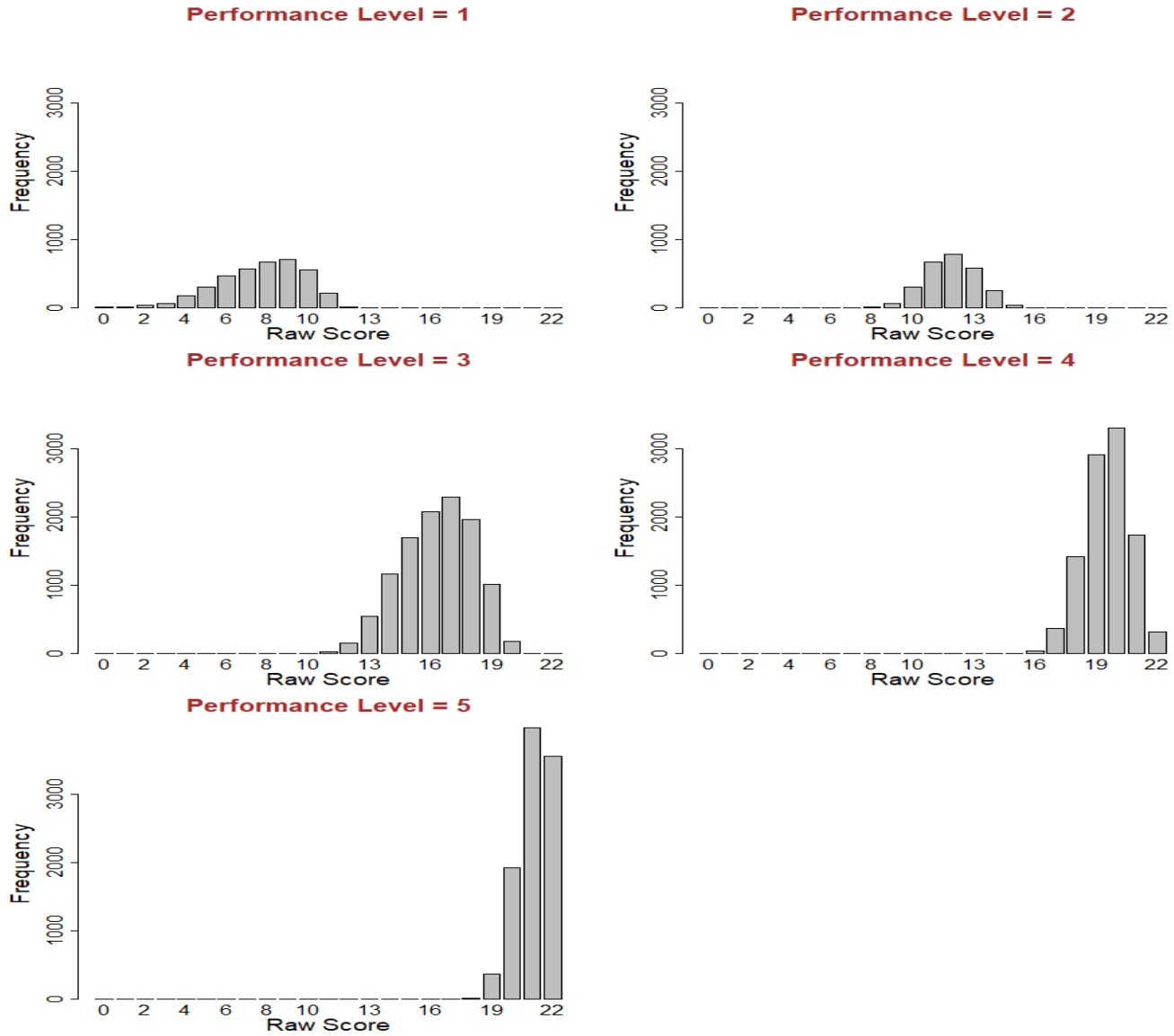


Figure S3.12: Summative Raw Score Distributions - Grade 2 Reading

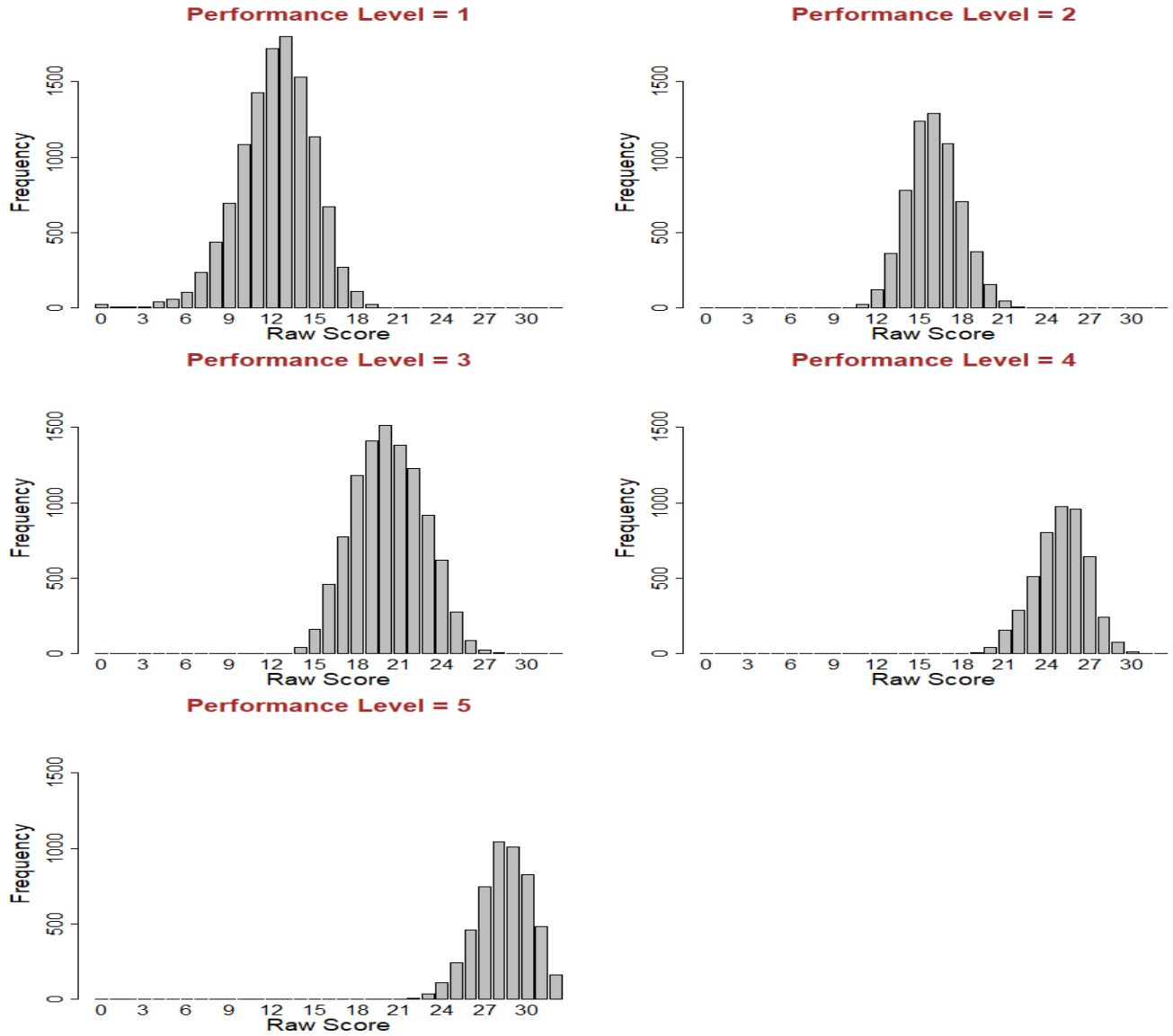


Figure S3.13: Summative Raw Score Distributions - Grade 2 Speaking

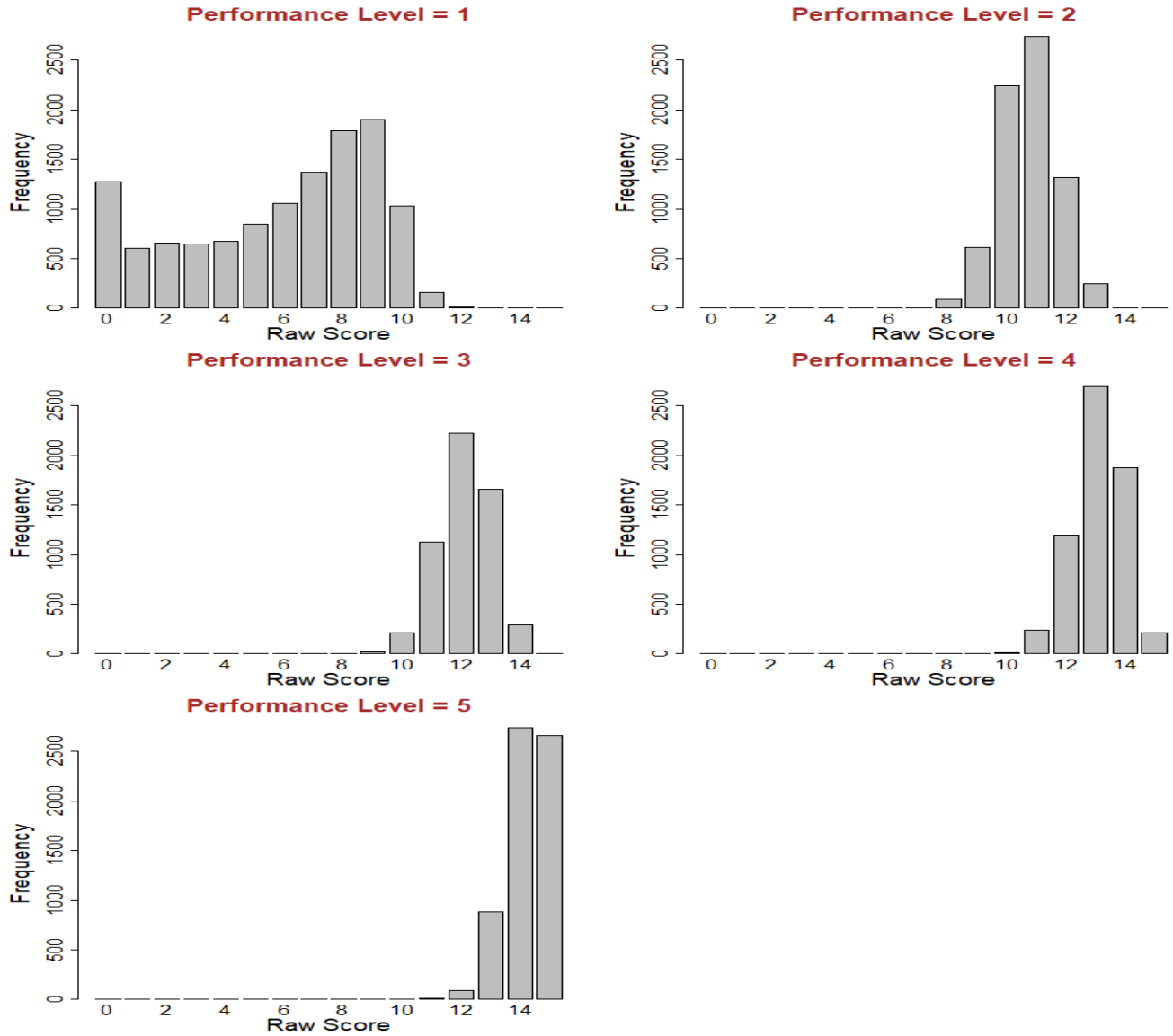


Figure S3.14: Summative Raw Score Distributions - Grade 2 Writing

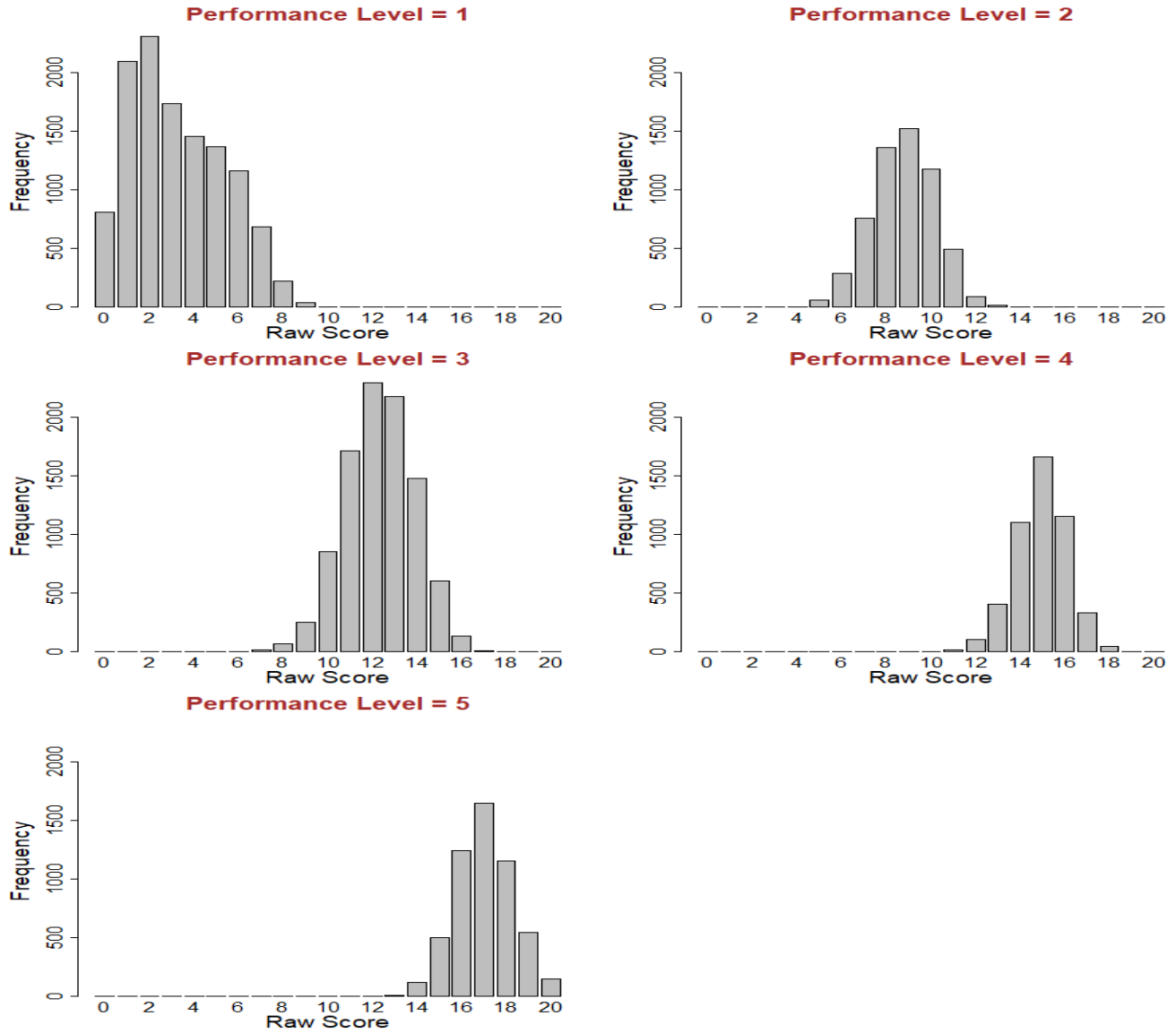


Figure S3.15: Summative Raw Score Distributions - Grade 2 Overall

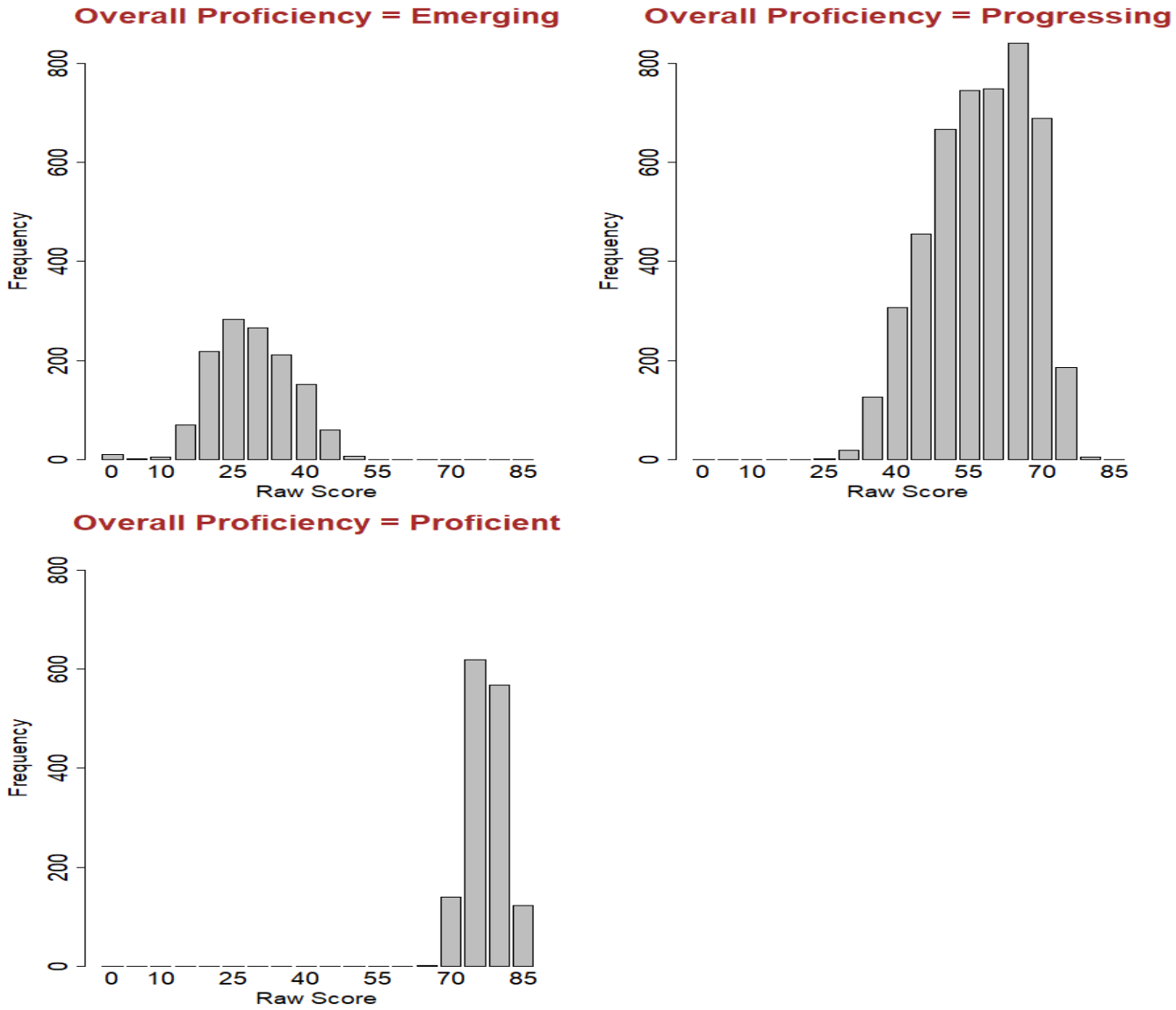


Figure S3.16: Summative Raw Score Distributions - Grade 3 Listening

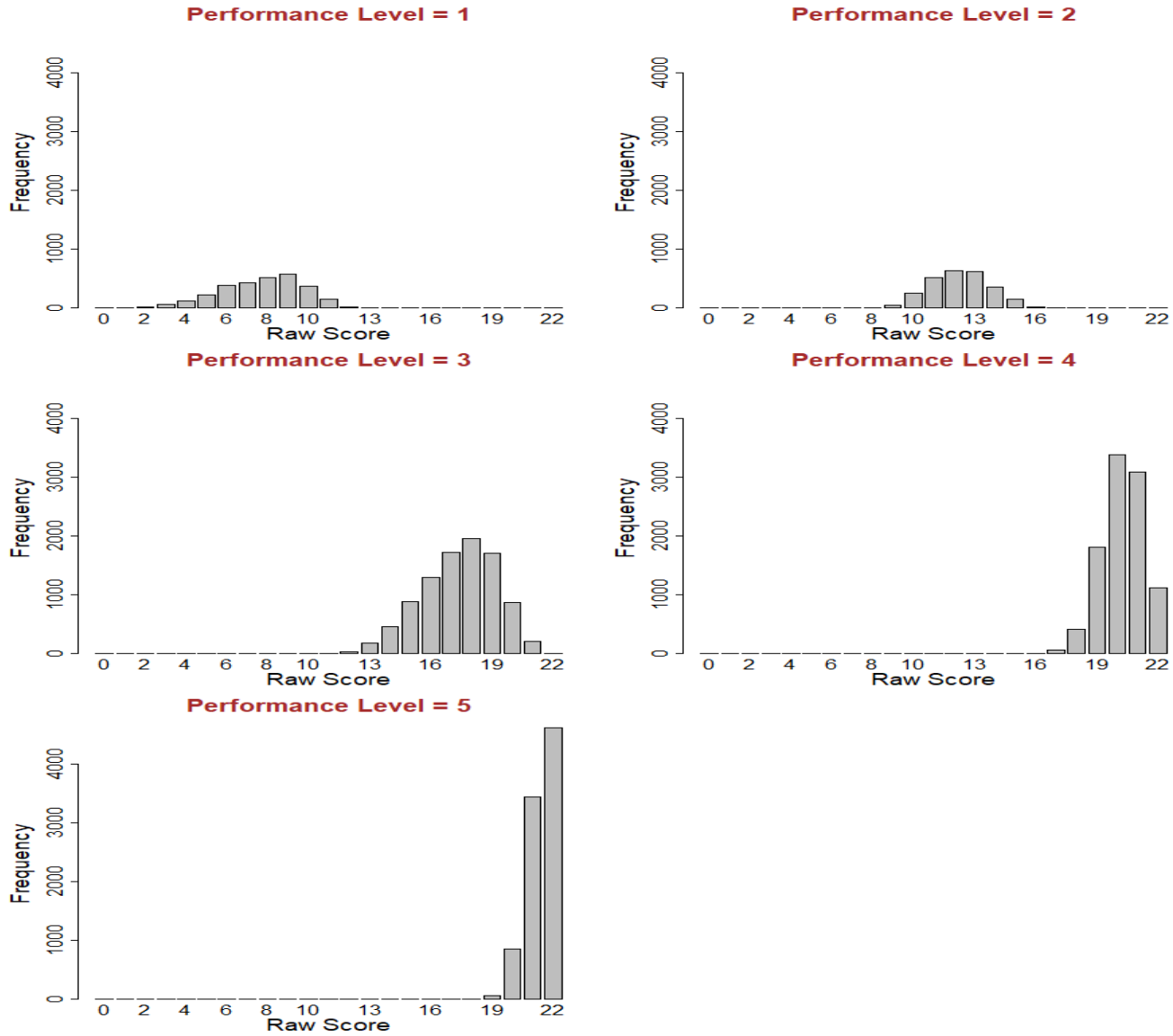


Figure S3.17: Summative Raw Score Distributions - Grade 3 Reading

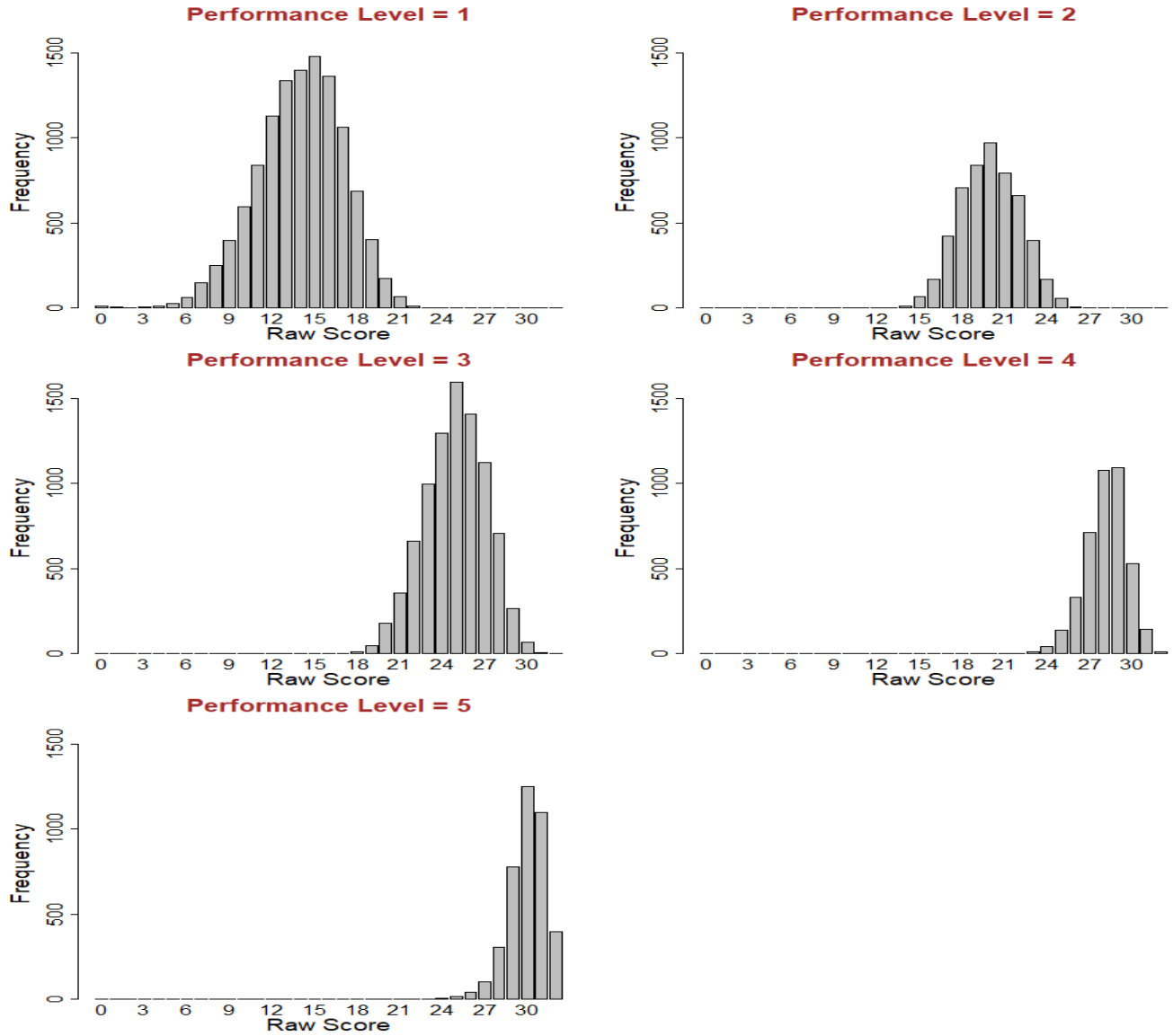


Figure S3.18: Summative Raw Score Distributions - Grade 3 Speaking

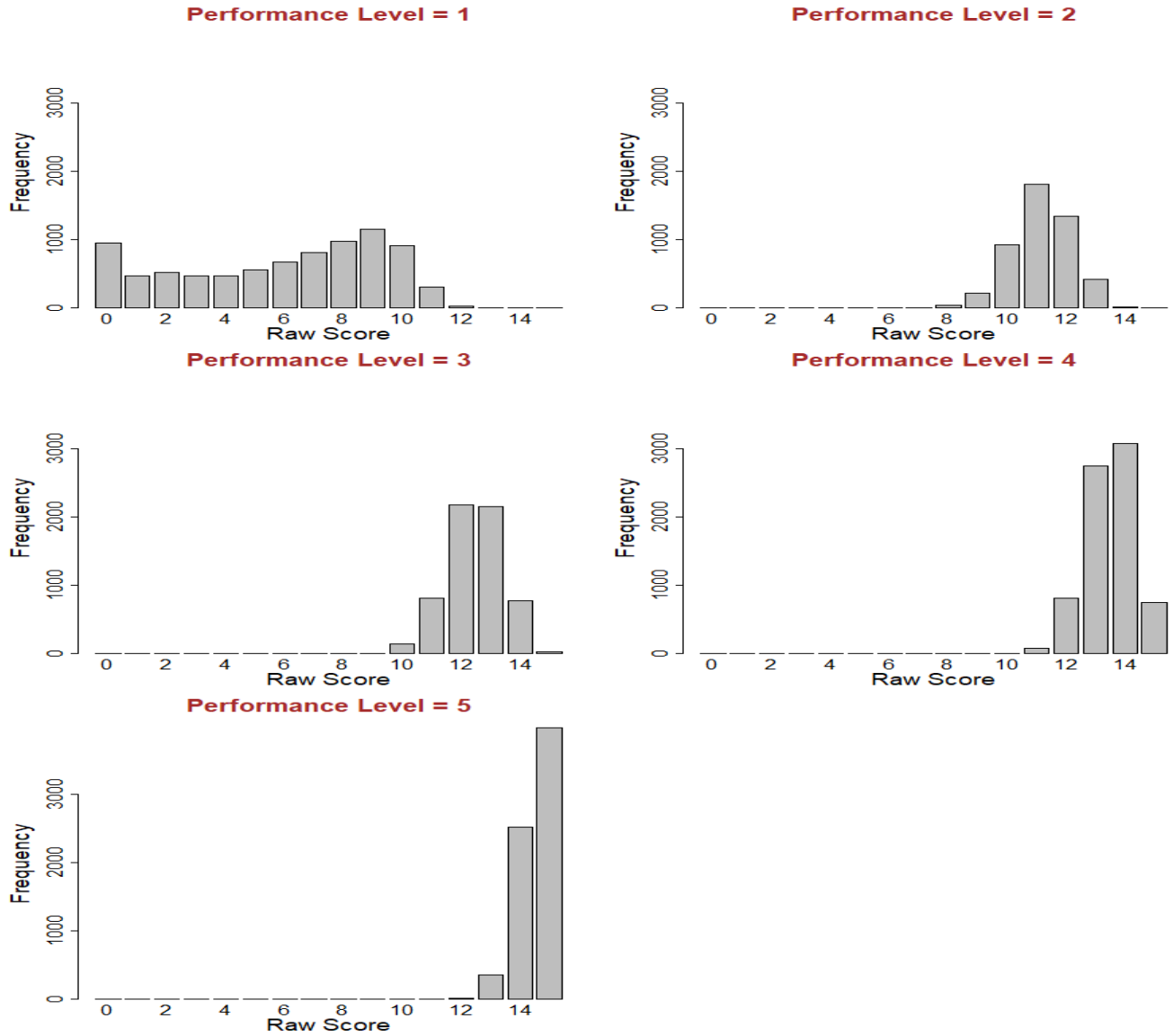


Figure S3.19: Summative Raw Score Distributions - Grade 3 Writing

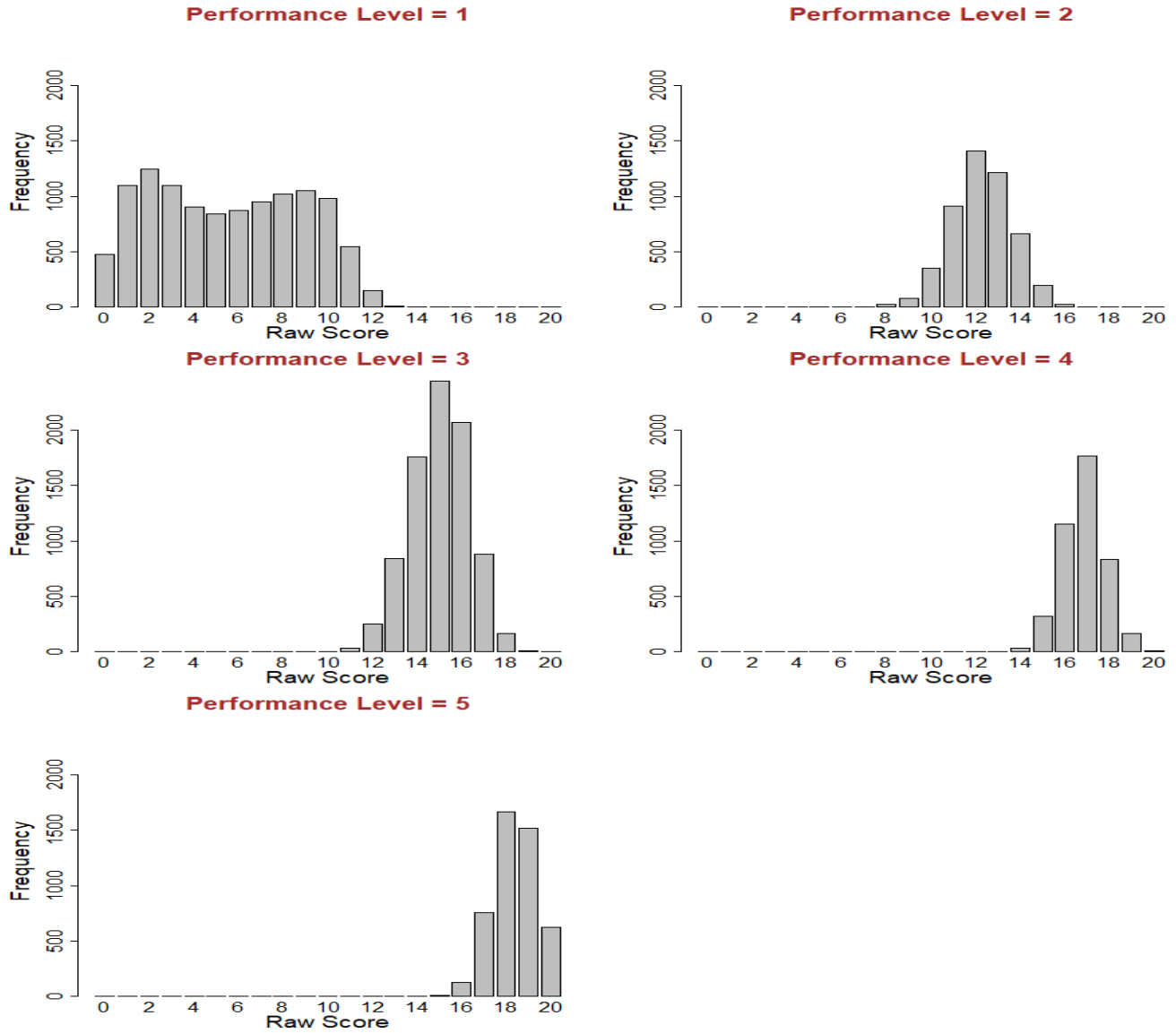


Figure S3.20: Summative Raw Score Distributions - Grade 3 Overall

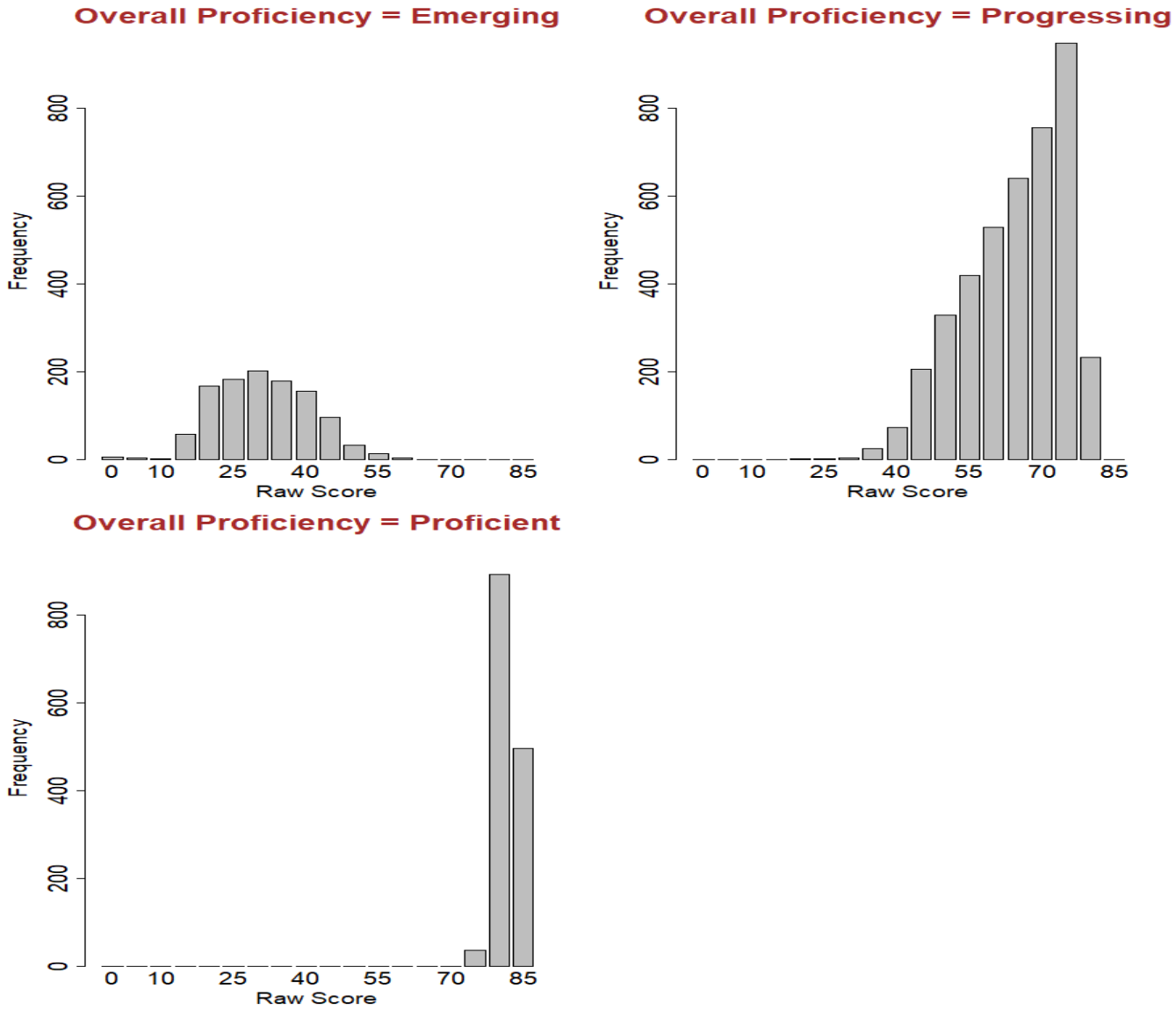


Figure S3.21: Summative Raw Score Distributions - Grade 4 Listening

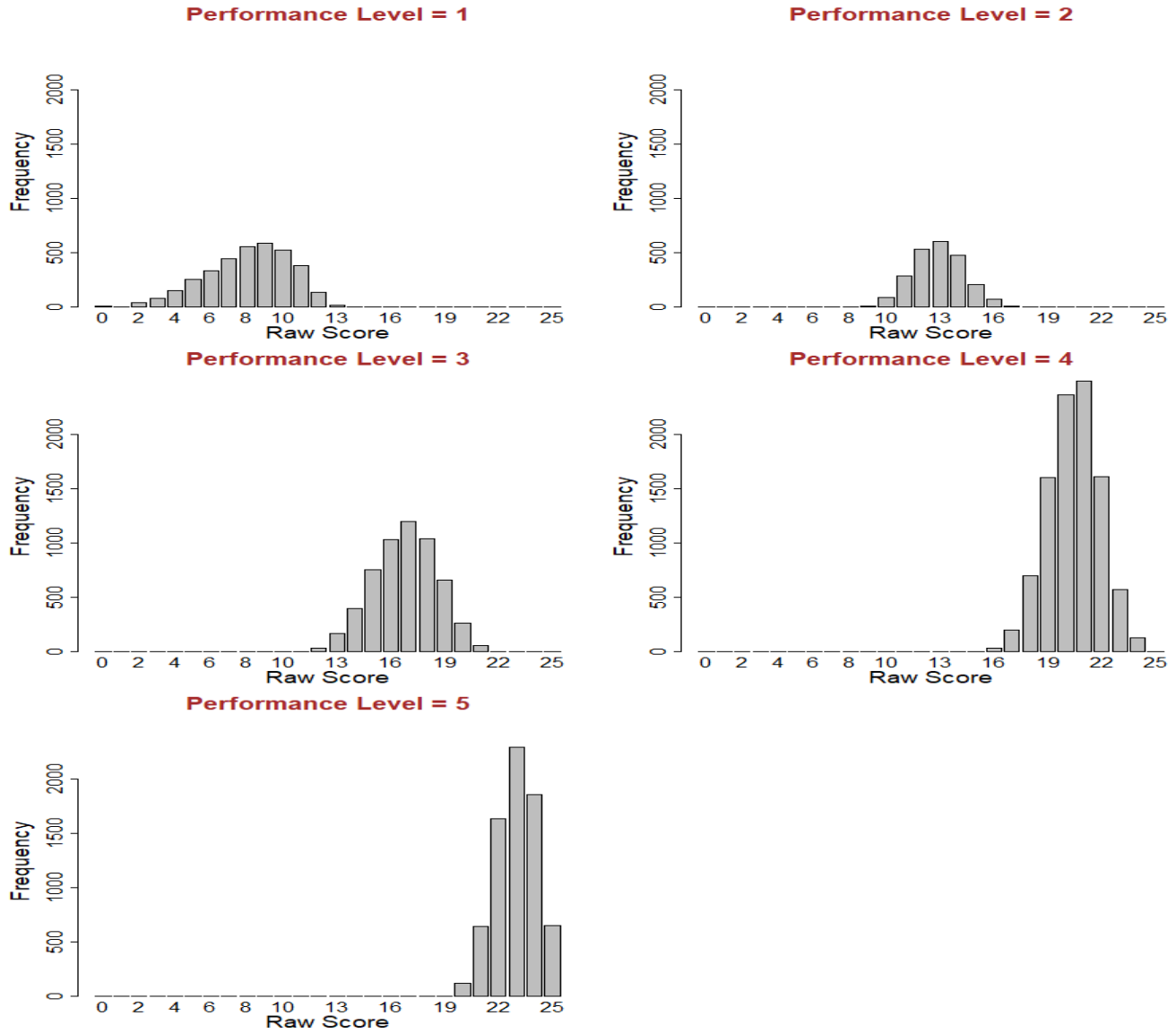


Figure S3.22: Summative Raw Score Distributions - Grade 4 Reading

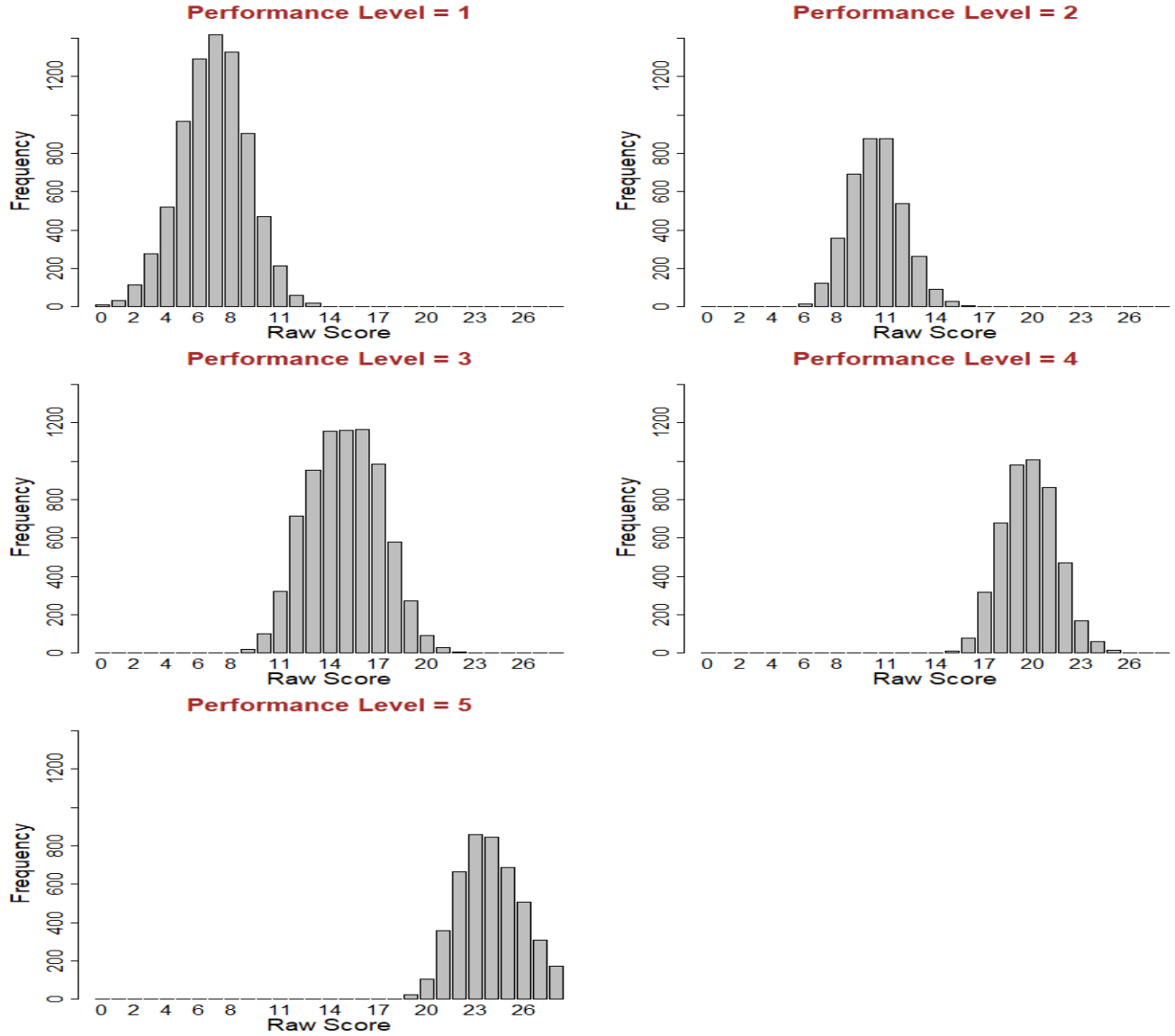


Figure S3.23: Summative Raw Score Distributions - Grade 4 Speaking

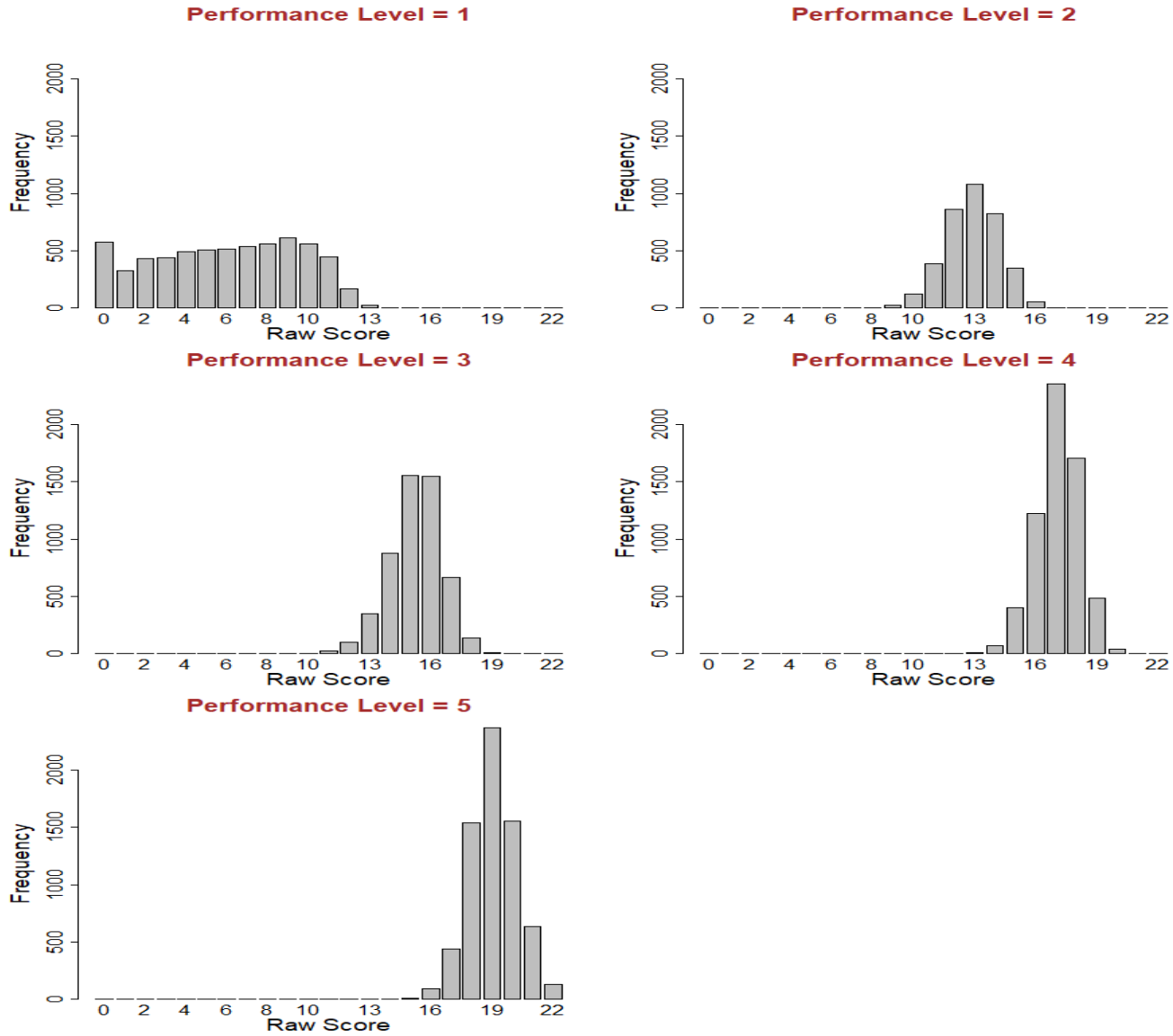


Figure S3.24: Summative Raw Score Distributions - Grade 4 Writing

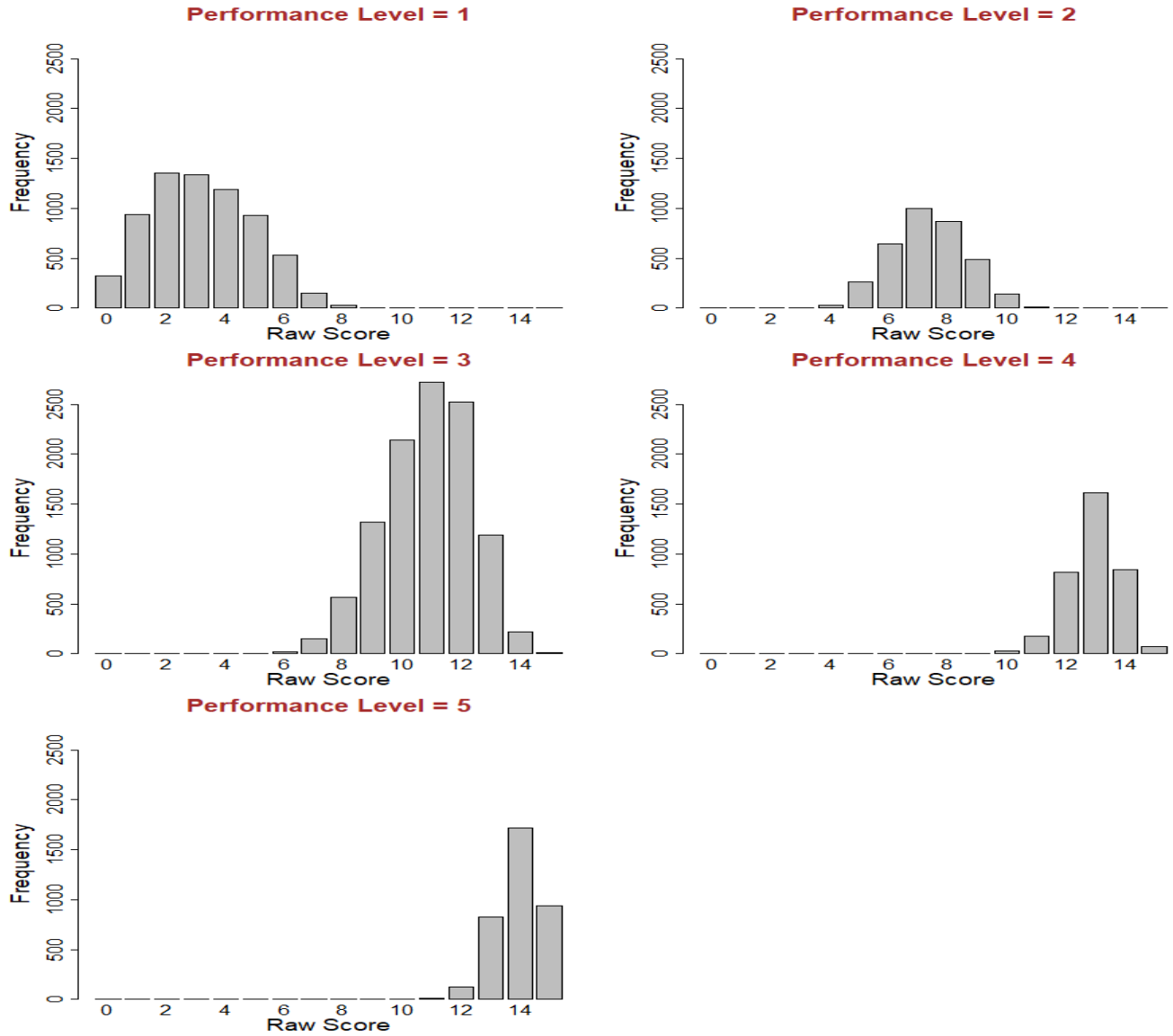


Figure S3.25: Summative Raw Score Distributions - Grade 4 Overall

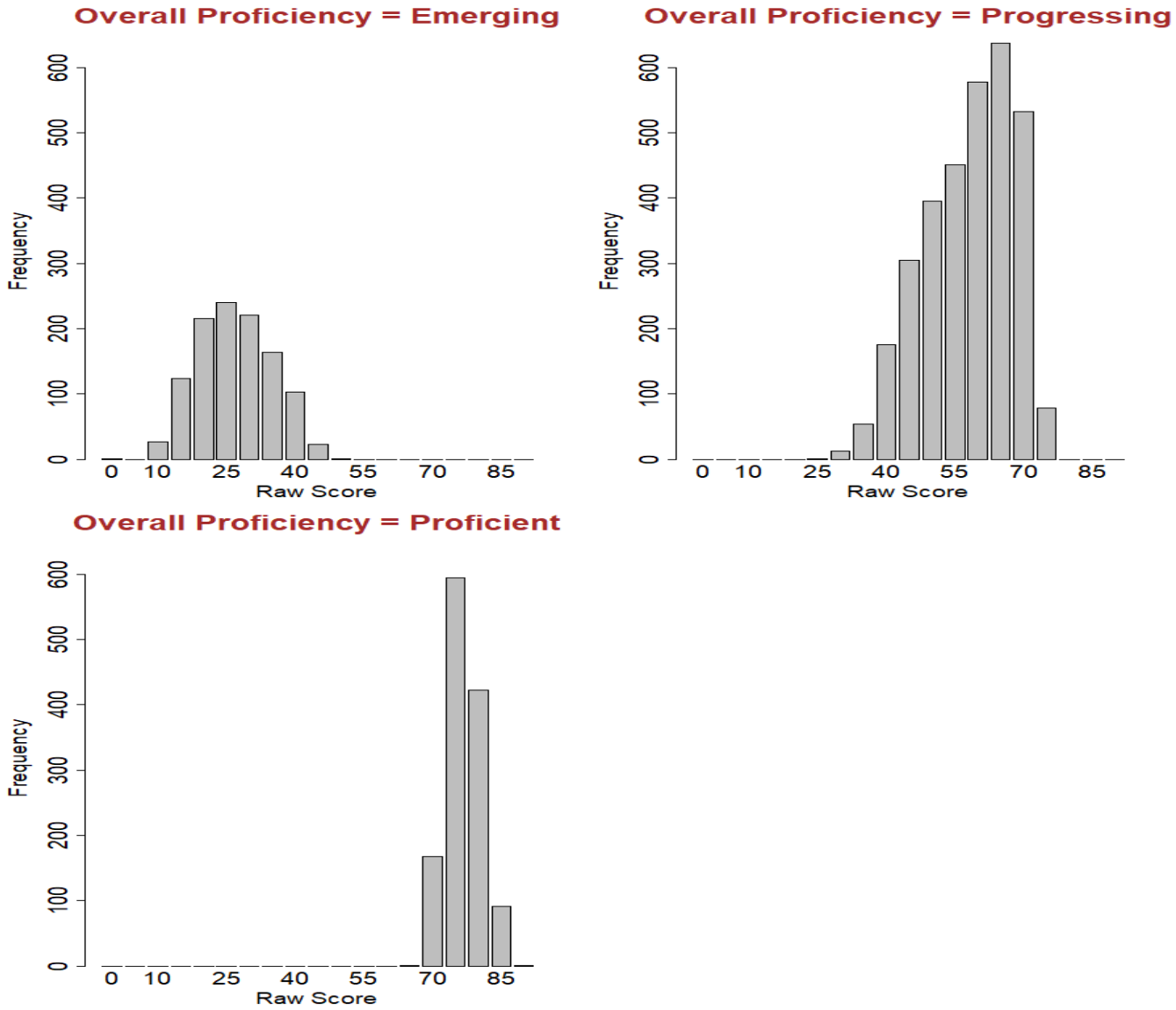


Figure S3.26: Summative Raw Score Distributions - Grade 5 Listening

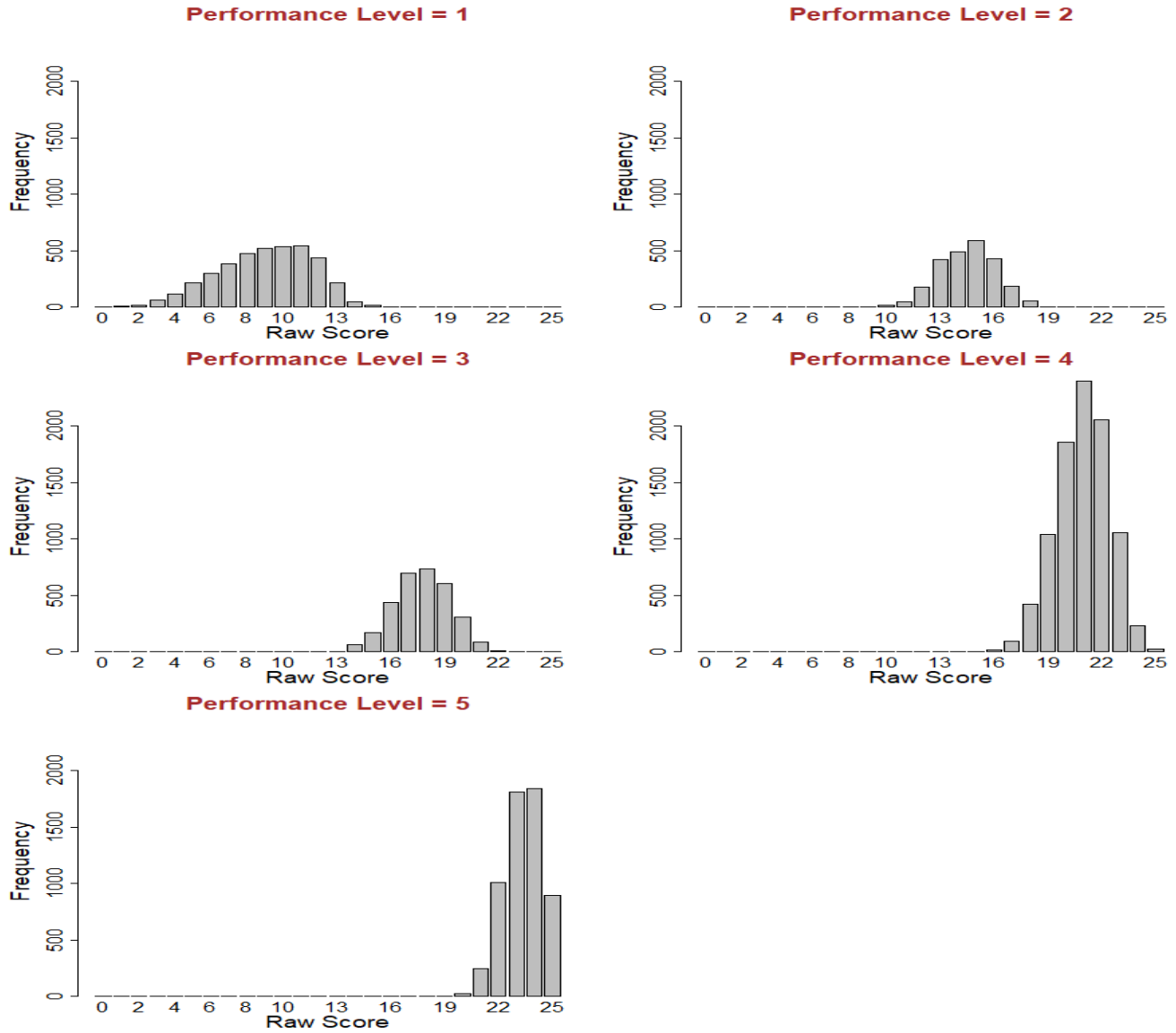


Figure S3.27: Summative Raw Score Distributions - Grade 5 Reading

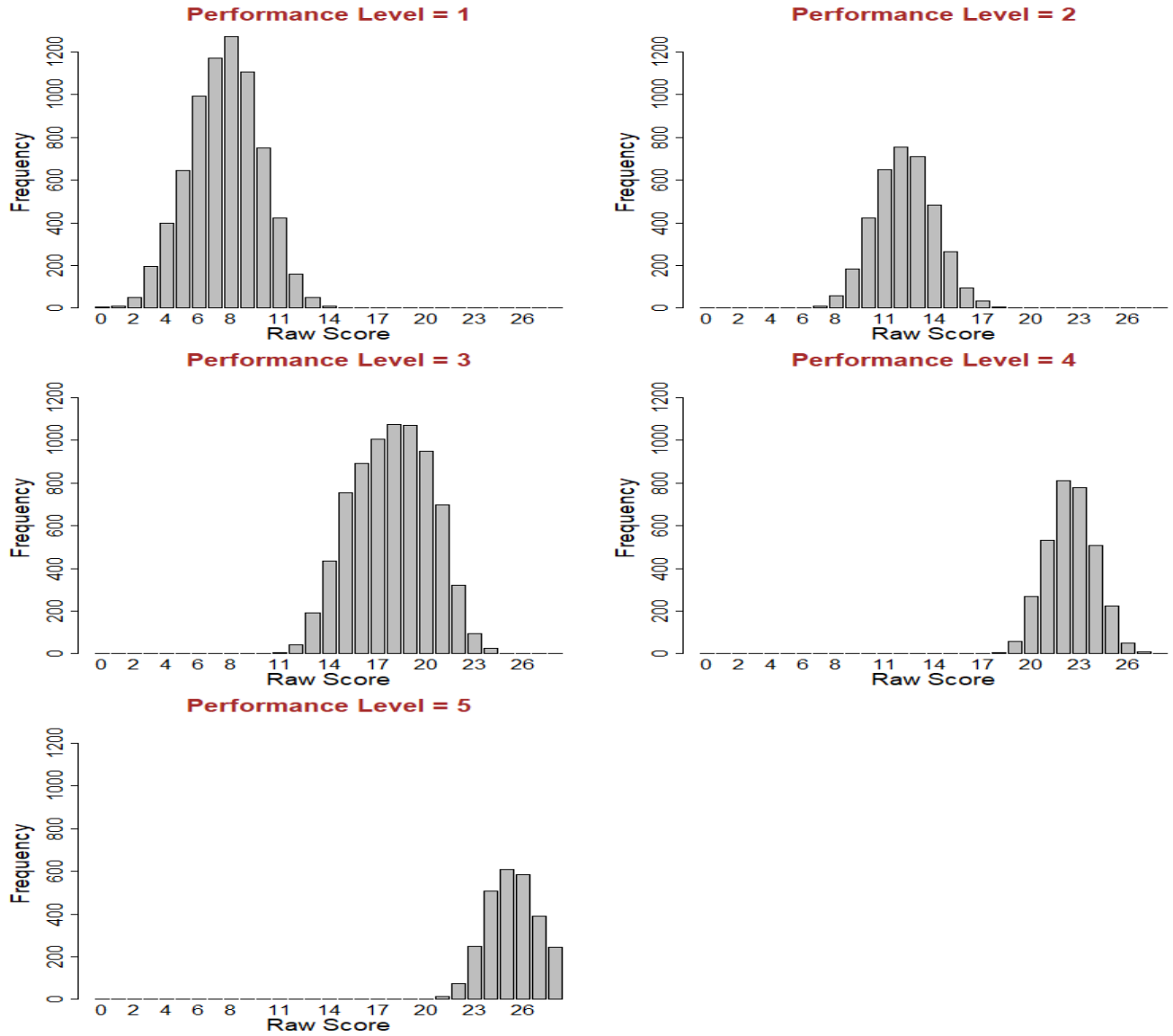


Figure S3.28: Summative Raw Score Distributions - Grade 5 Speaking

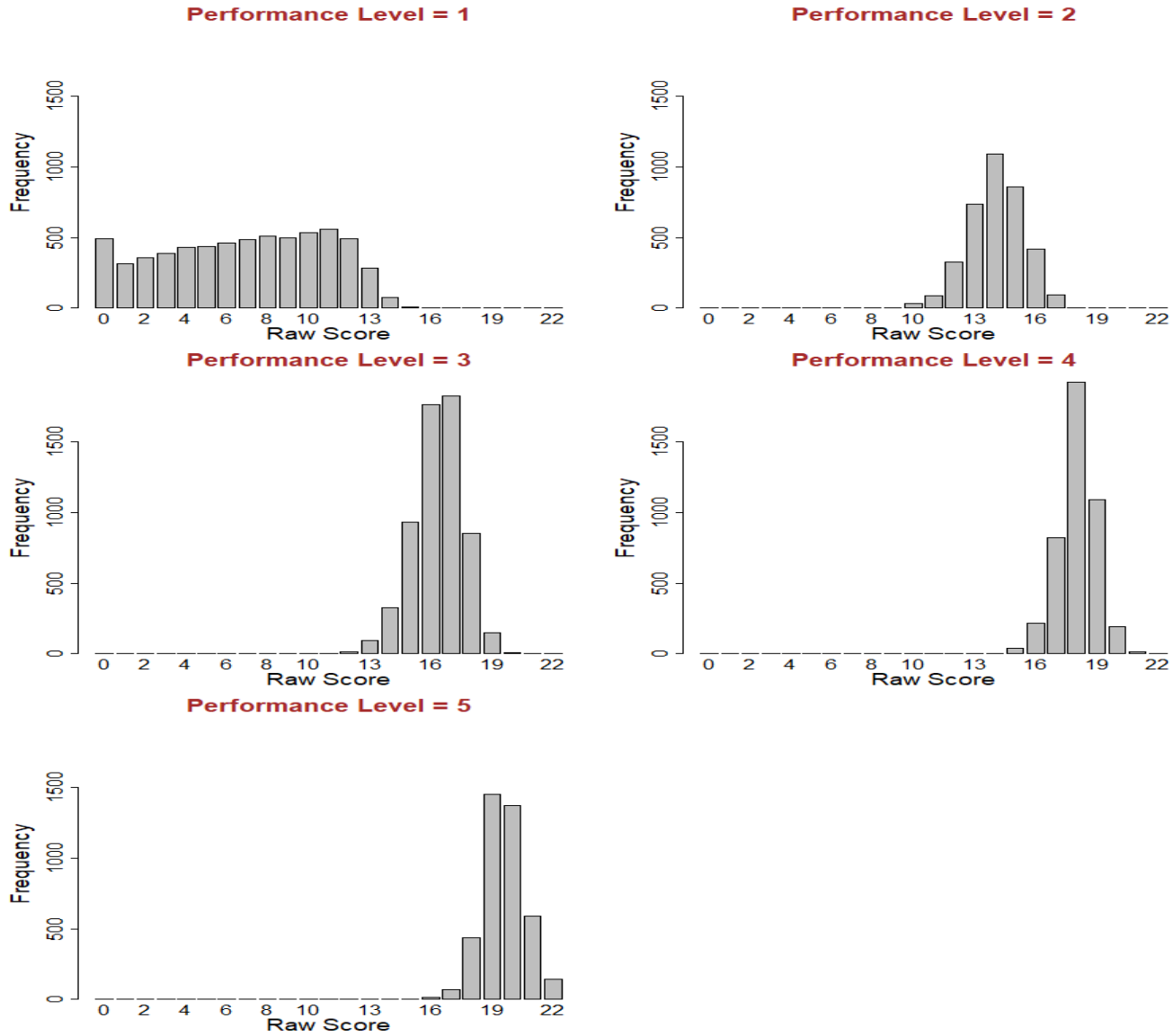


Figure S3.29: Summative Raw Score Distributions - Grade 5 Writing

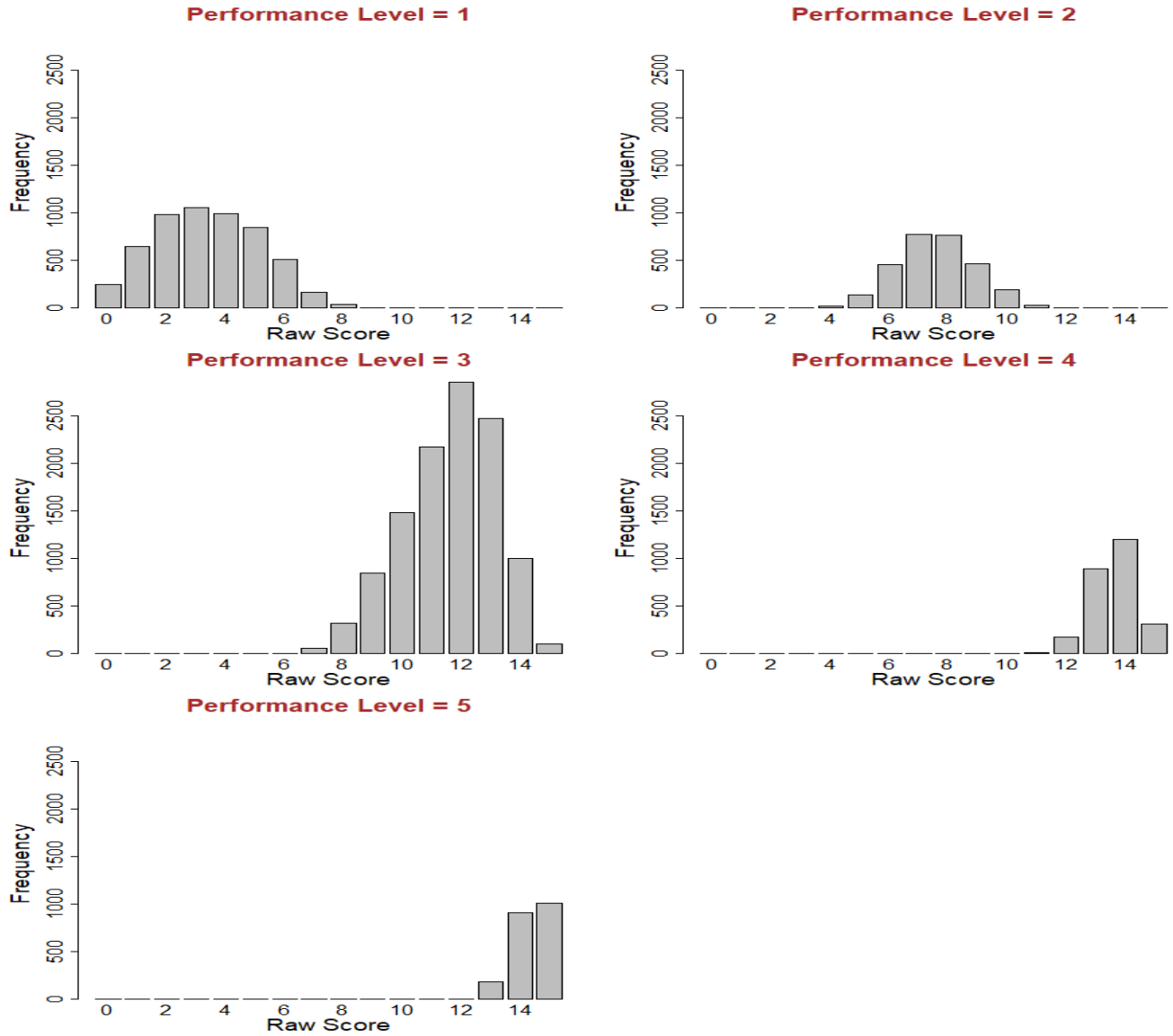


Figure S3.30: Summative Raw Score Distributions - Grade 5 Overall

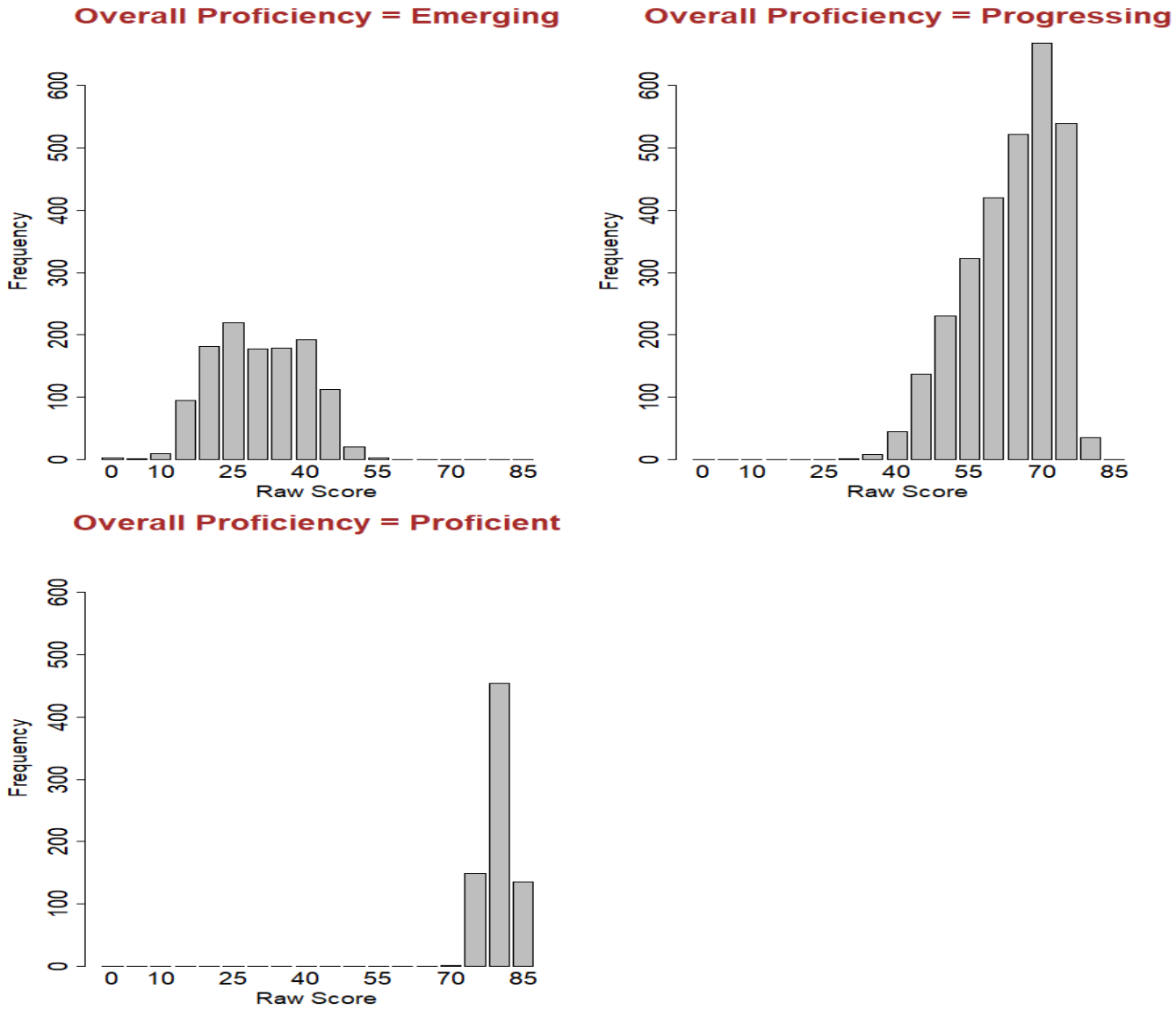


Figure S3.31: Summative Raw Score Distributions - Grade 6 Listening

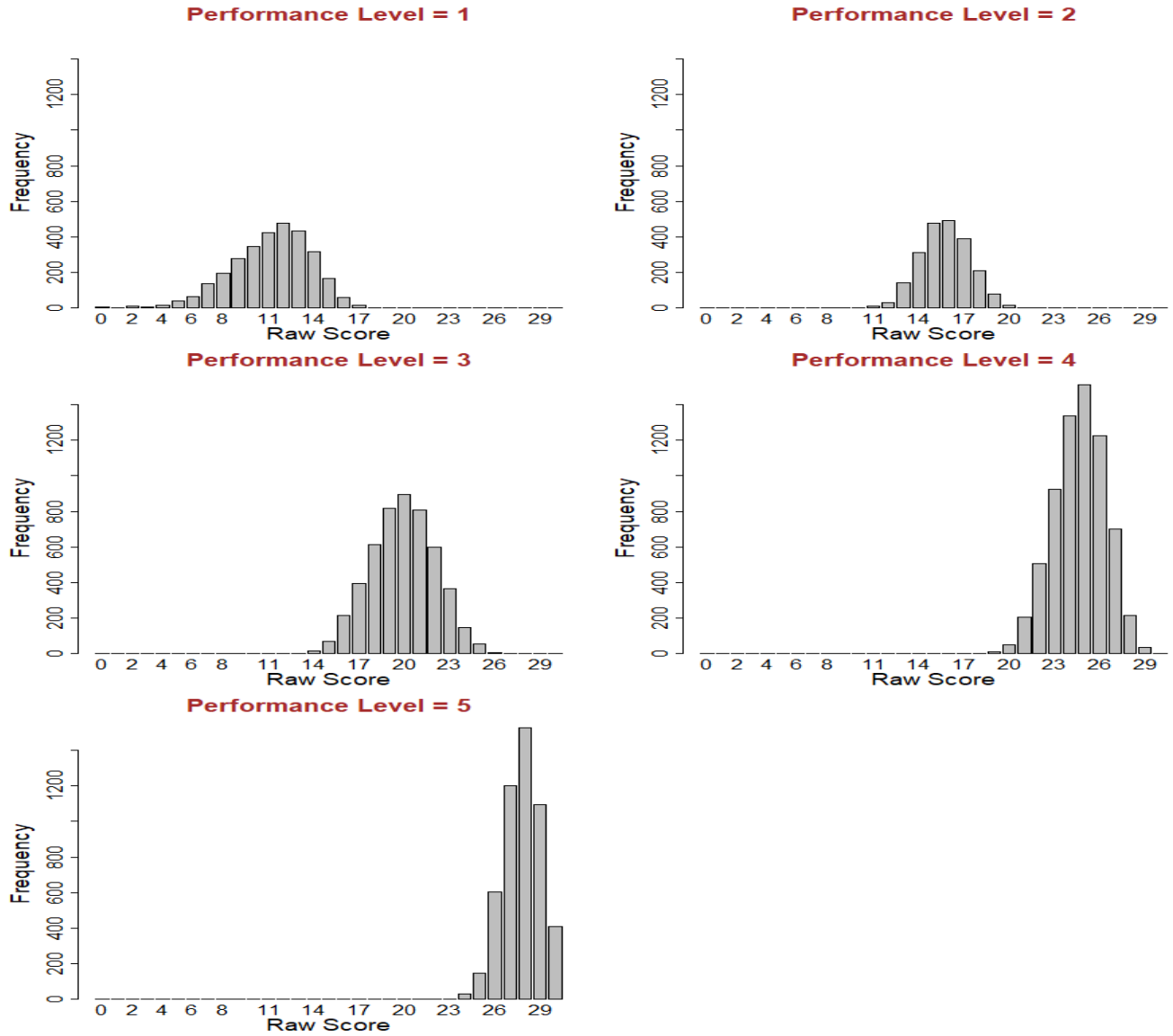


Figure S3.32: Summative Raw Score Distributions - Grade 6 Reading

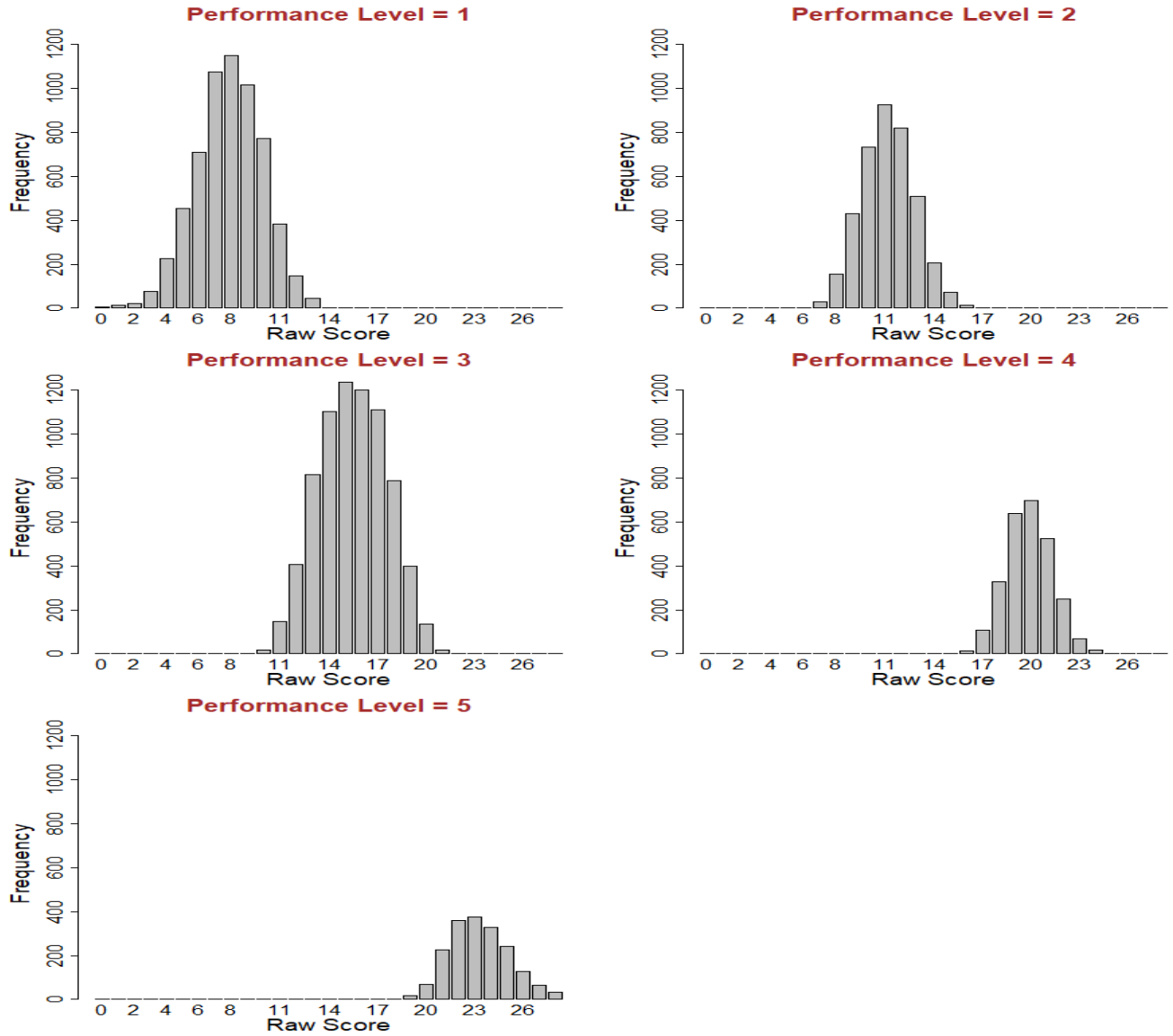


Figure S3.33: Summative Raw Score Distributions - Grade 6 Speaking

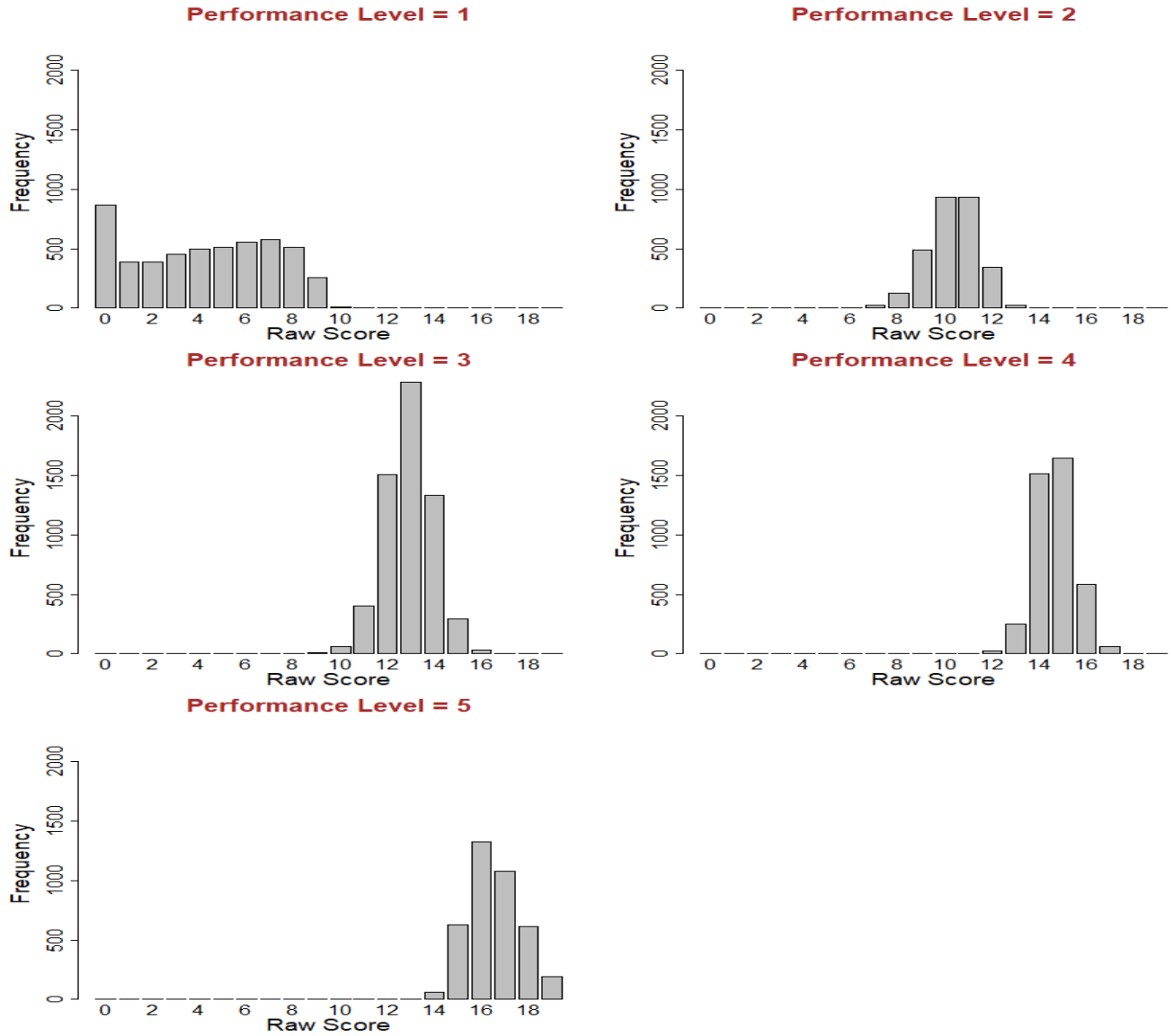


Figure S3.34: Summative Raw Score Distributions - Grade 6 Writing

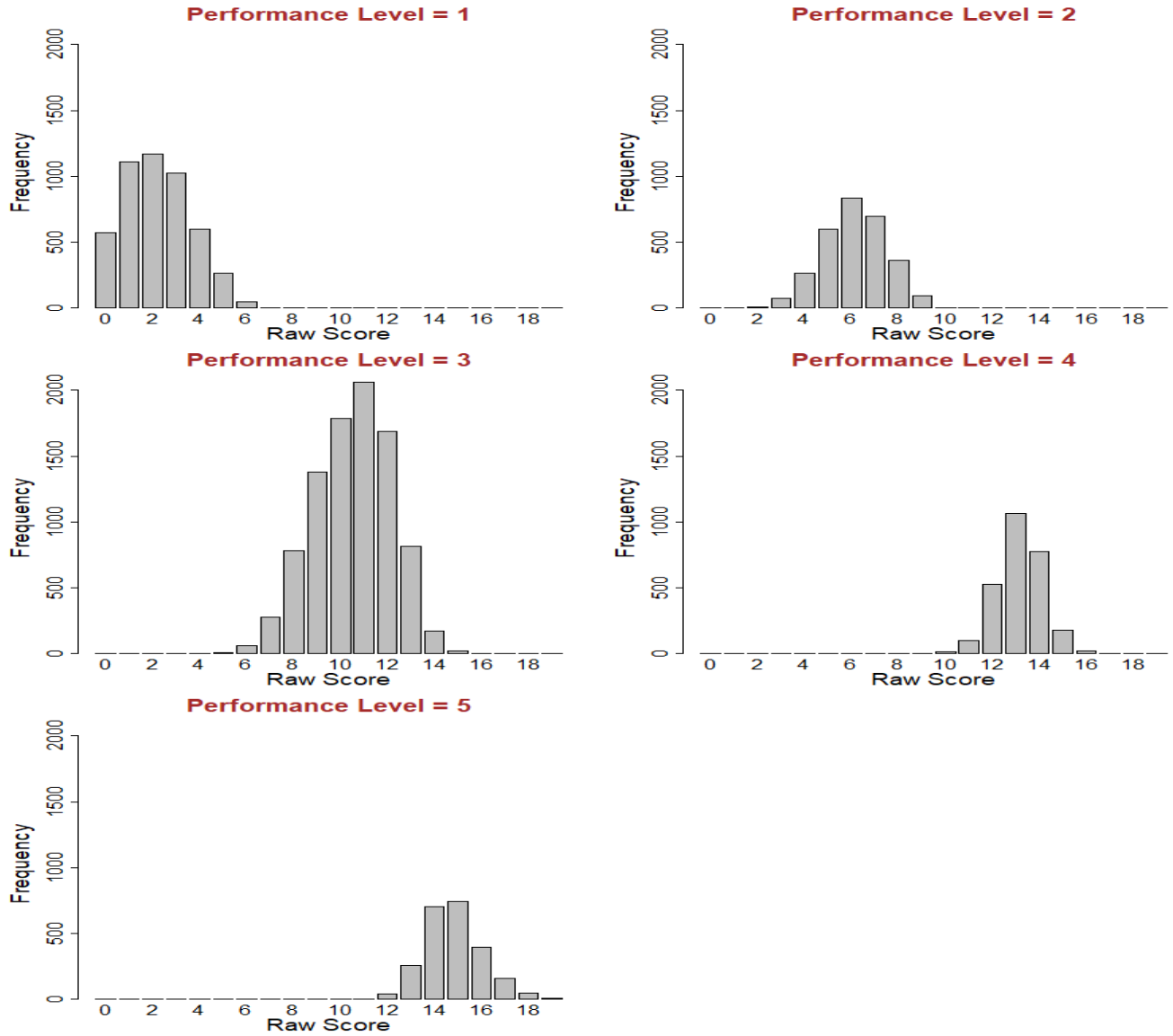


Figure S3.35: Summative Raw Score Distributions - Grade 6 Overall

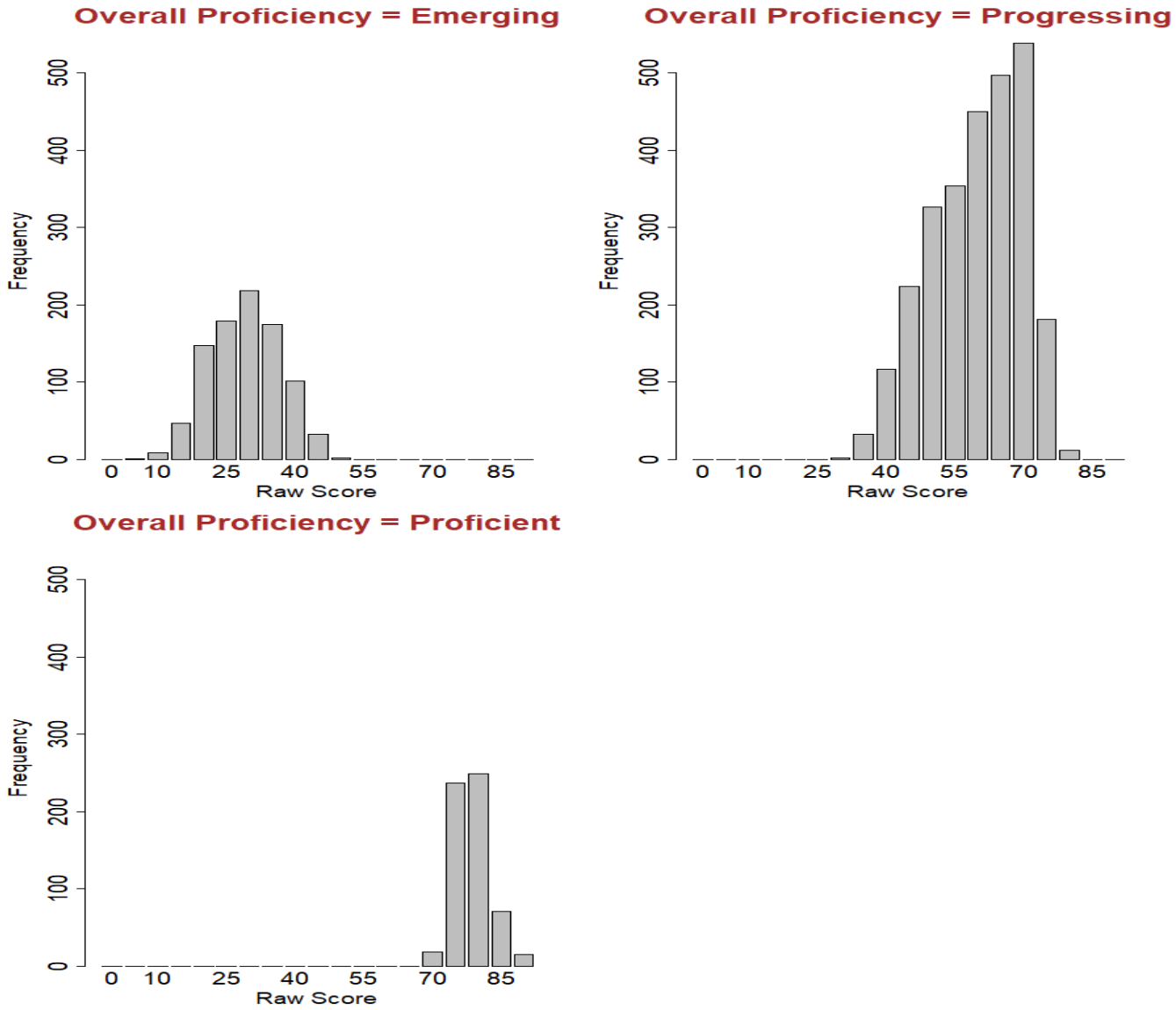


Figure S3.36: Summative Raw Score Distributions - Grade 7 Listening

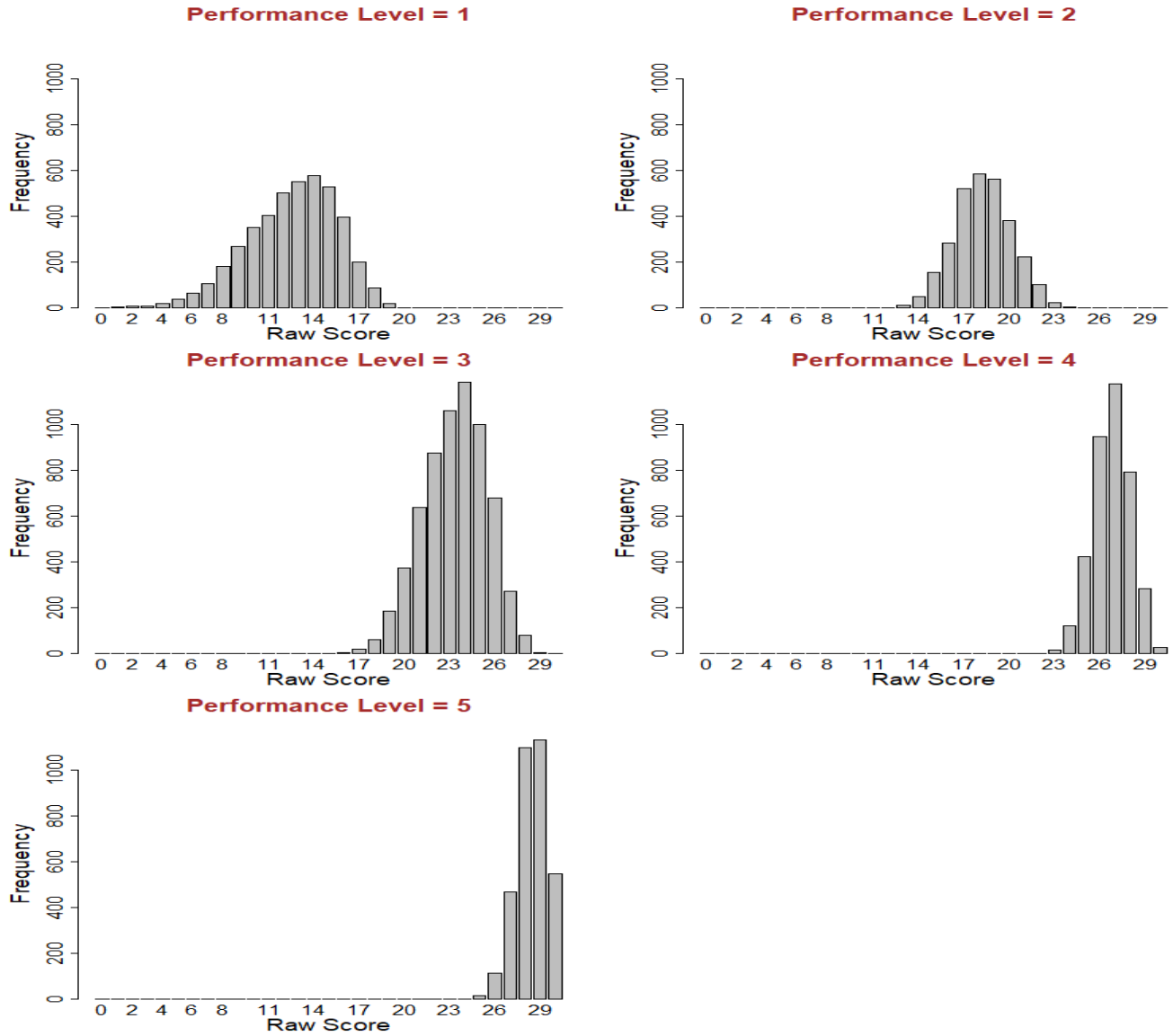


Figure S3.37: Summative Raw Score Distributions - Grade 7 Reading

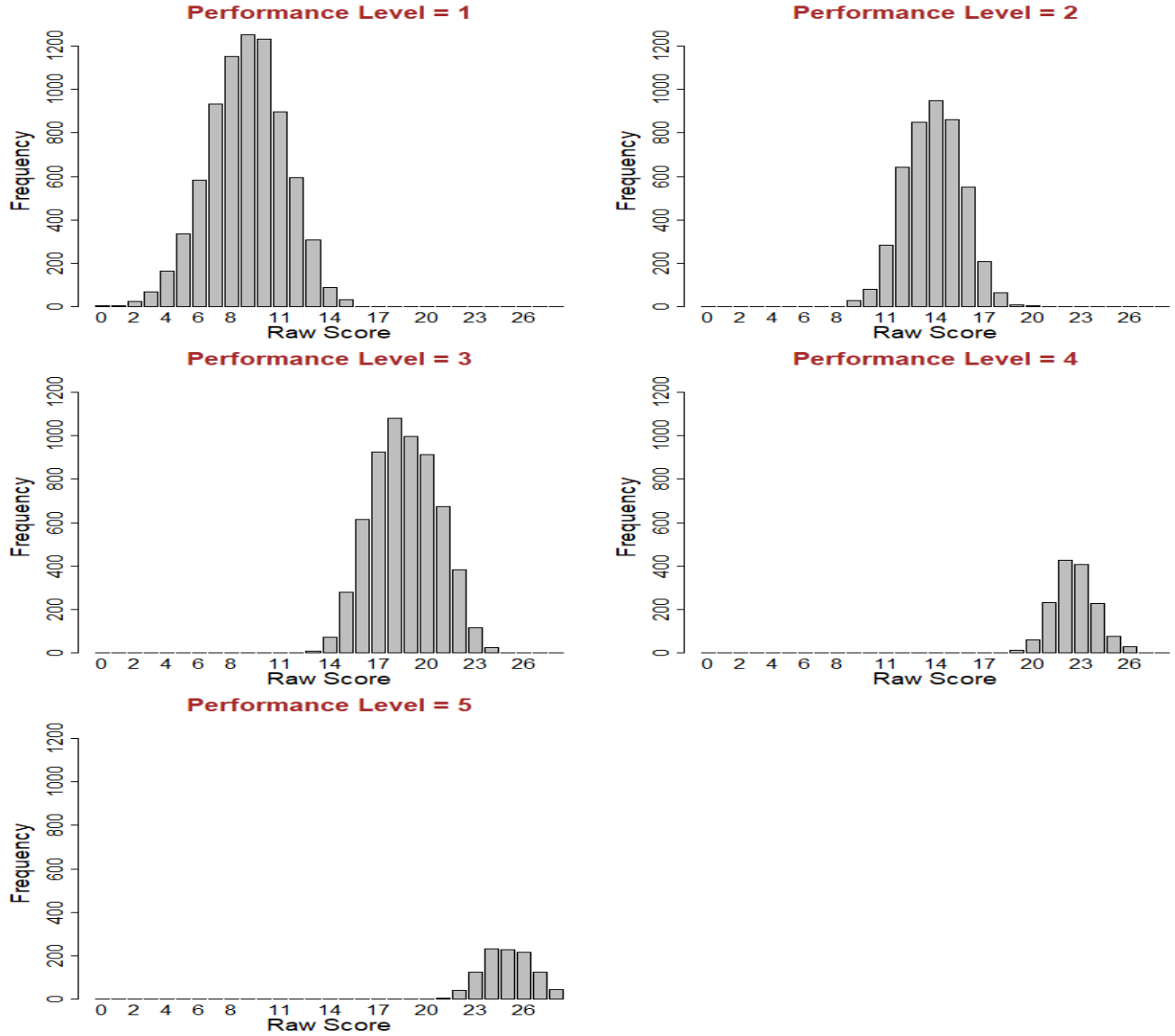


Figure S3.38: Summative Raw Score Distributions - Grade 7 Speaking

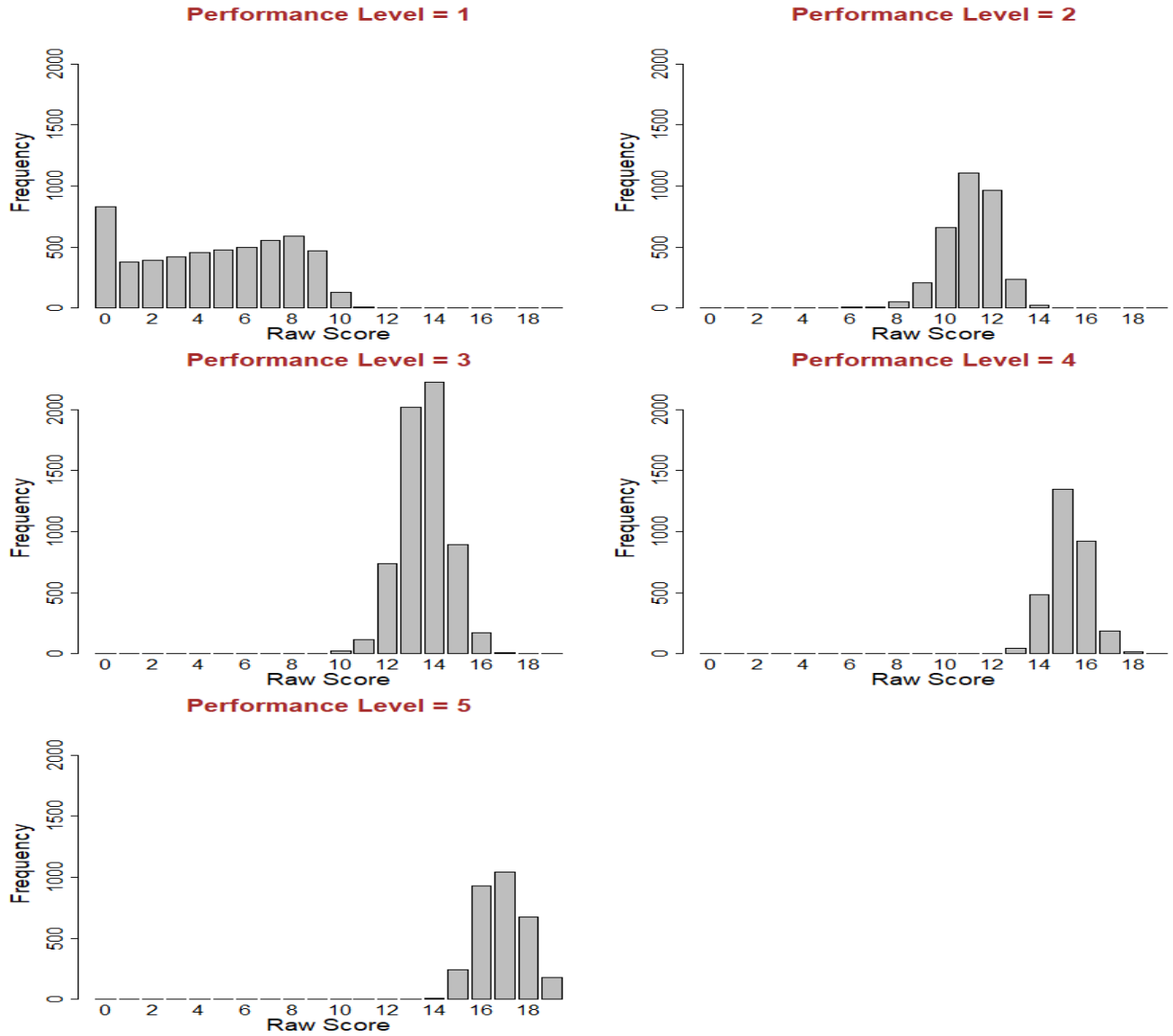


Figure S3.39: Summative Raw Score Distributions - Grade 7 Writing

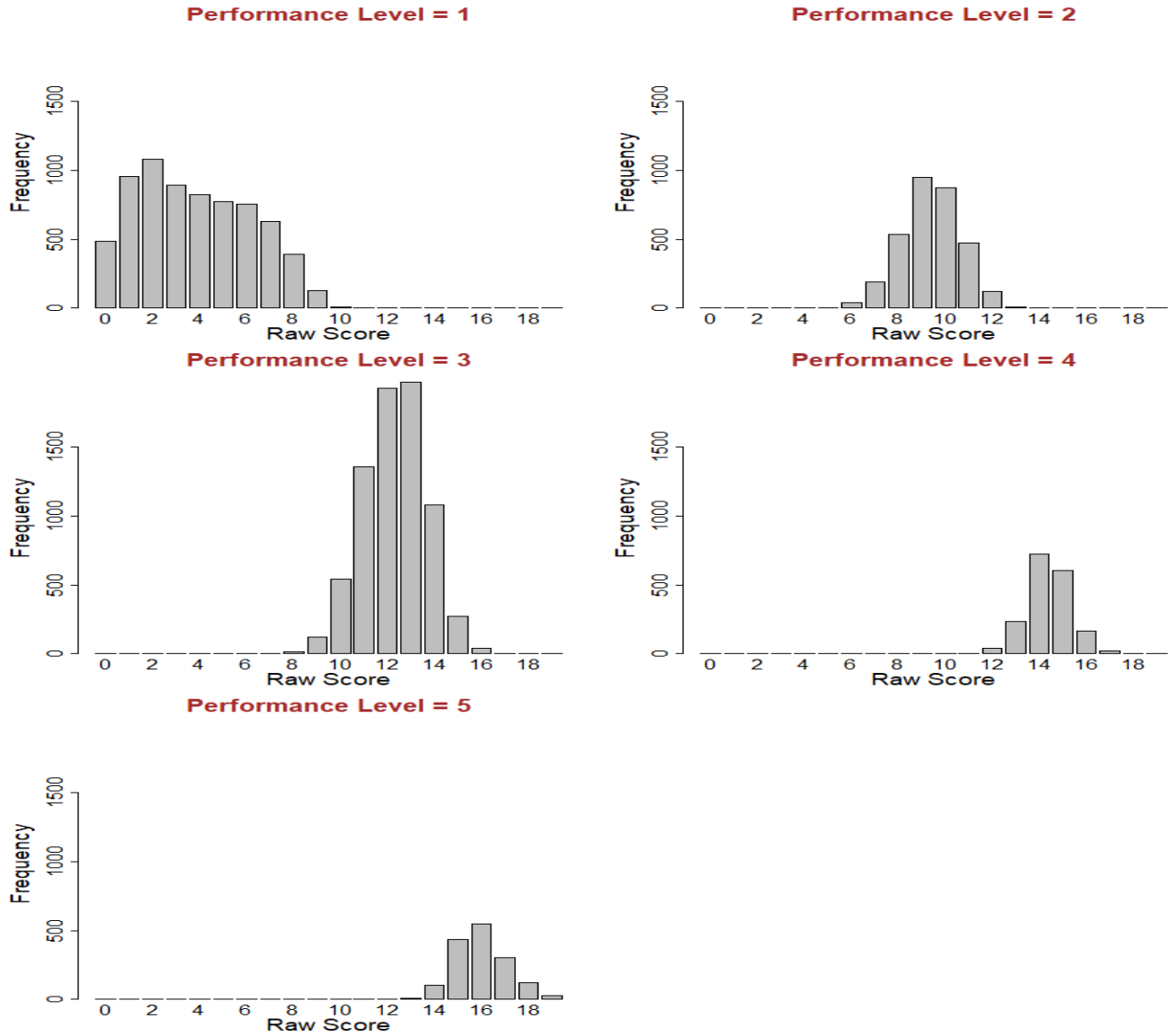


Figure S3.40: Summative Raw Score Distributions - Grade 7 Overall

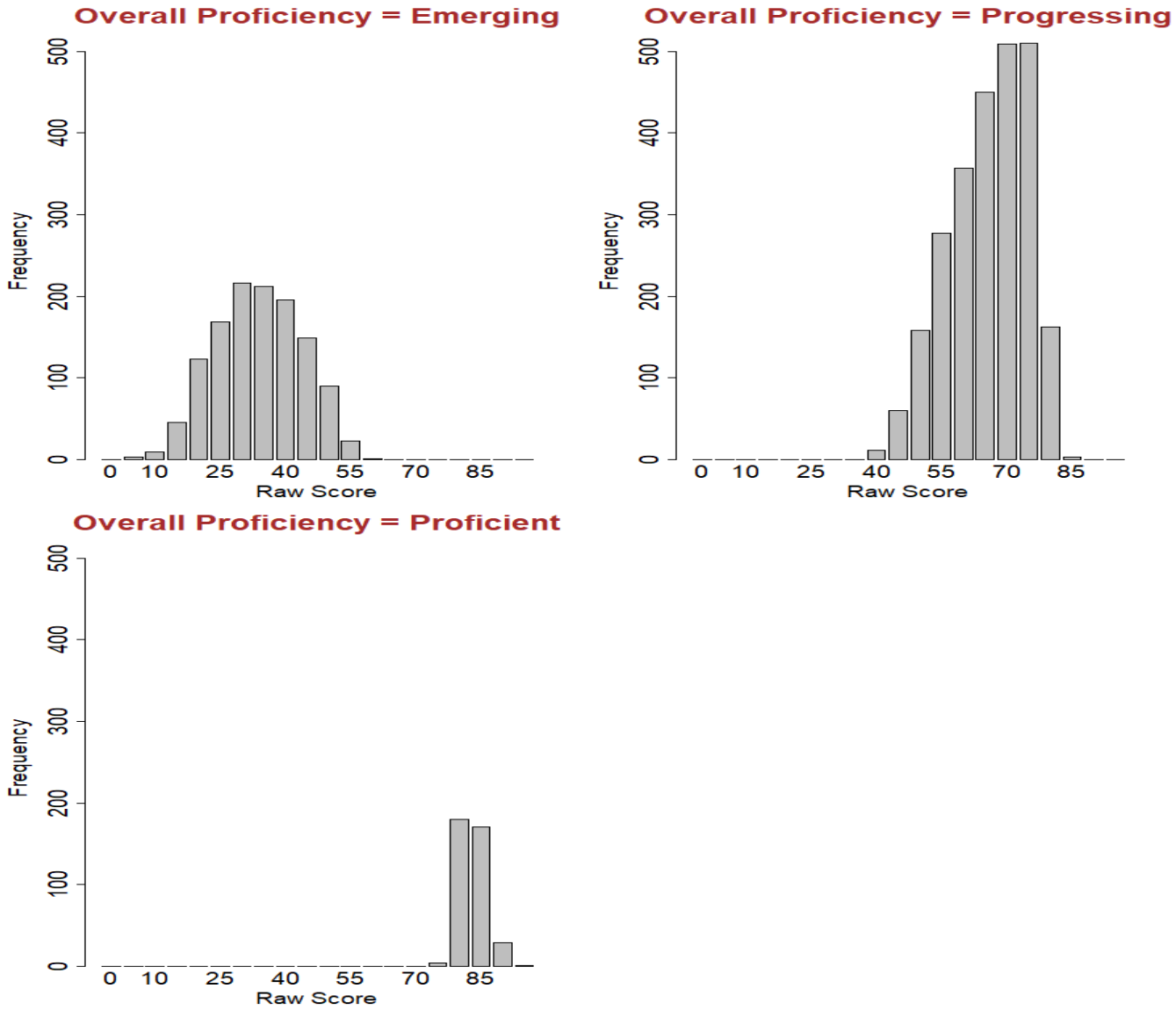


Figure S3.41: Summative Raw Score Distributions - Grade 8 Listening

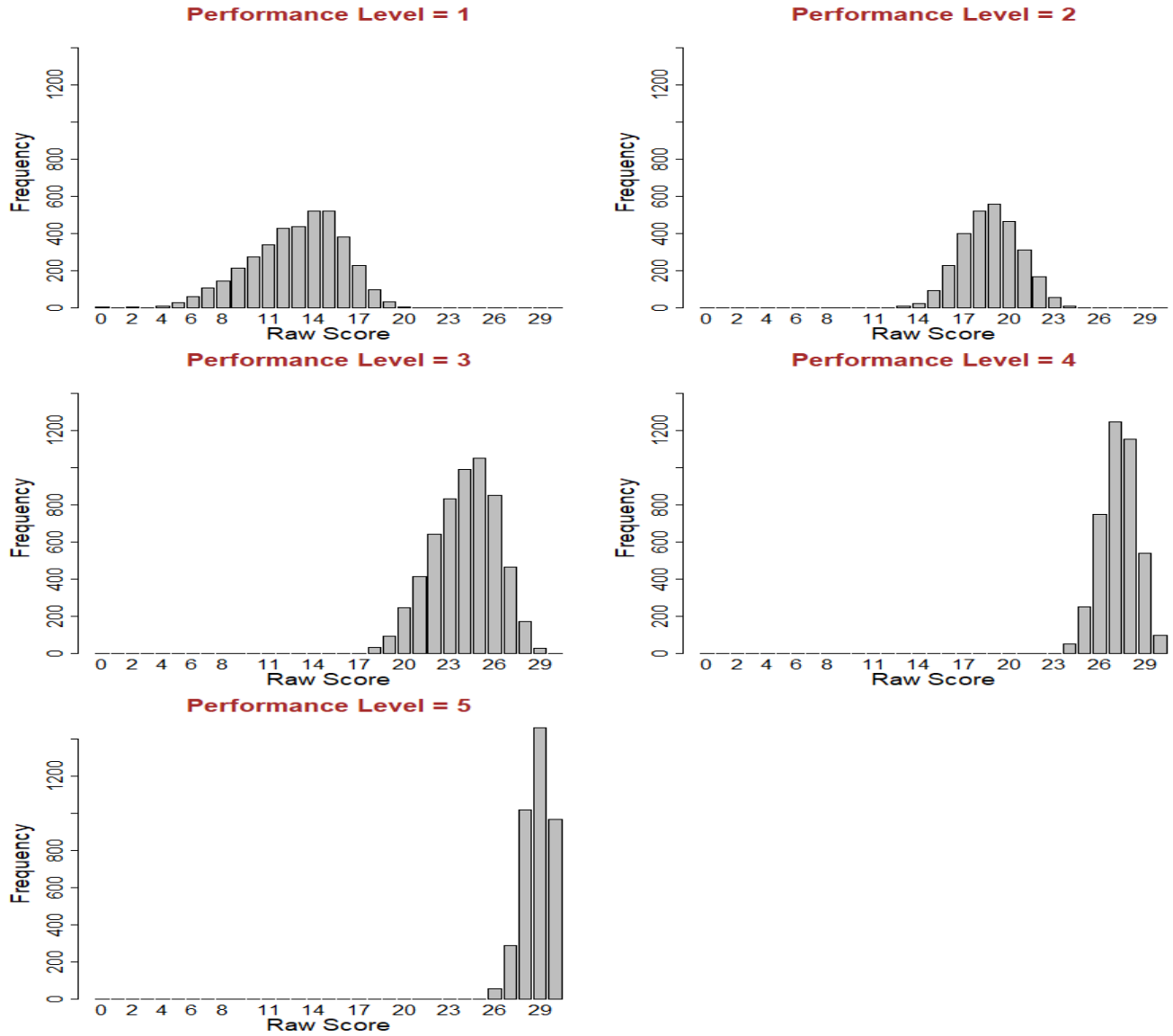


Figure S3.42: Summative Raw Score Distributions - Grade 8 Reading

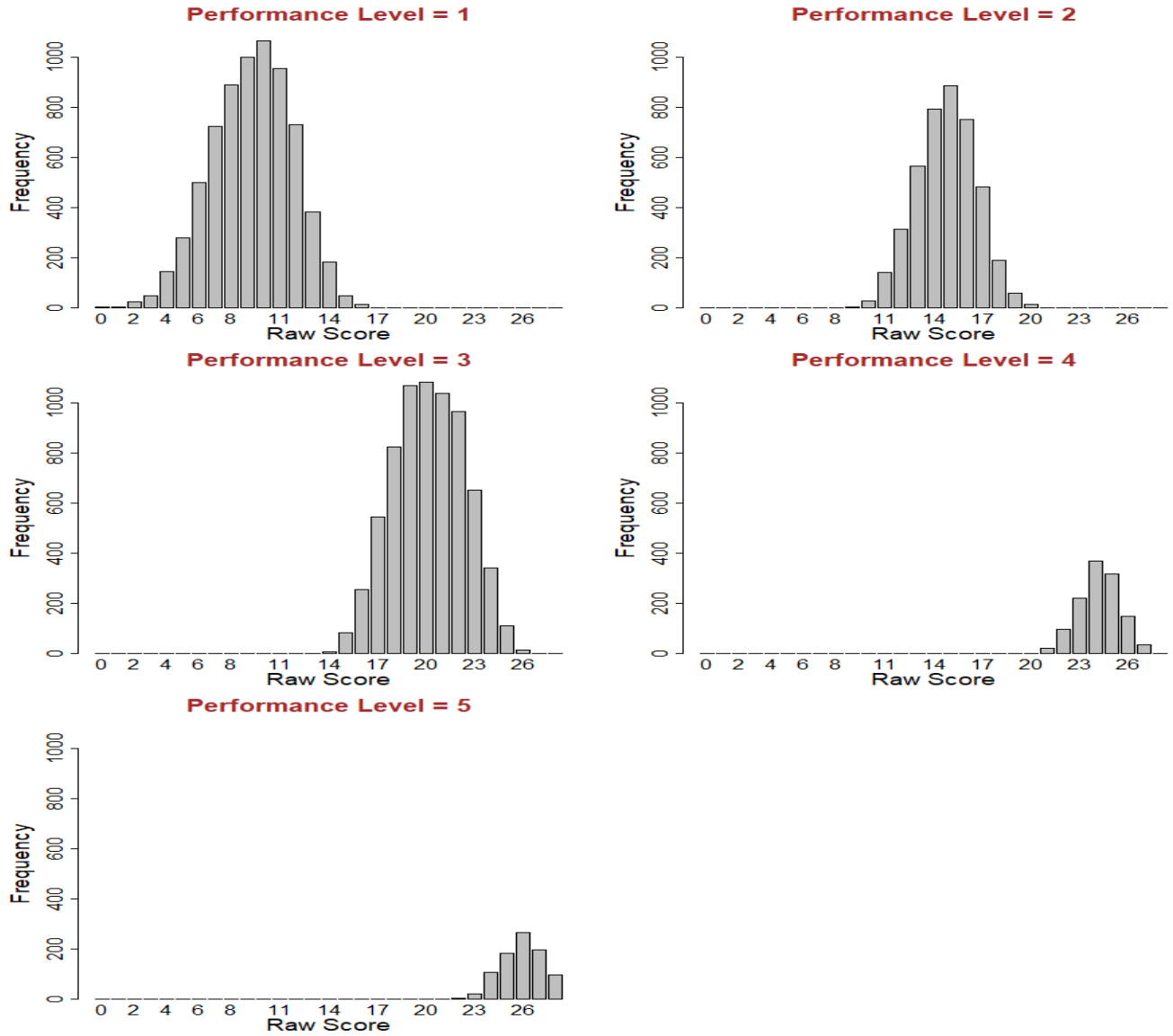


Figure S3.43: Summative Raw Score Distributions - Grade 8 Speaking

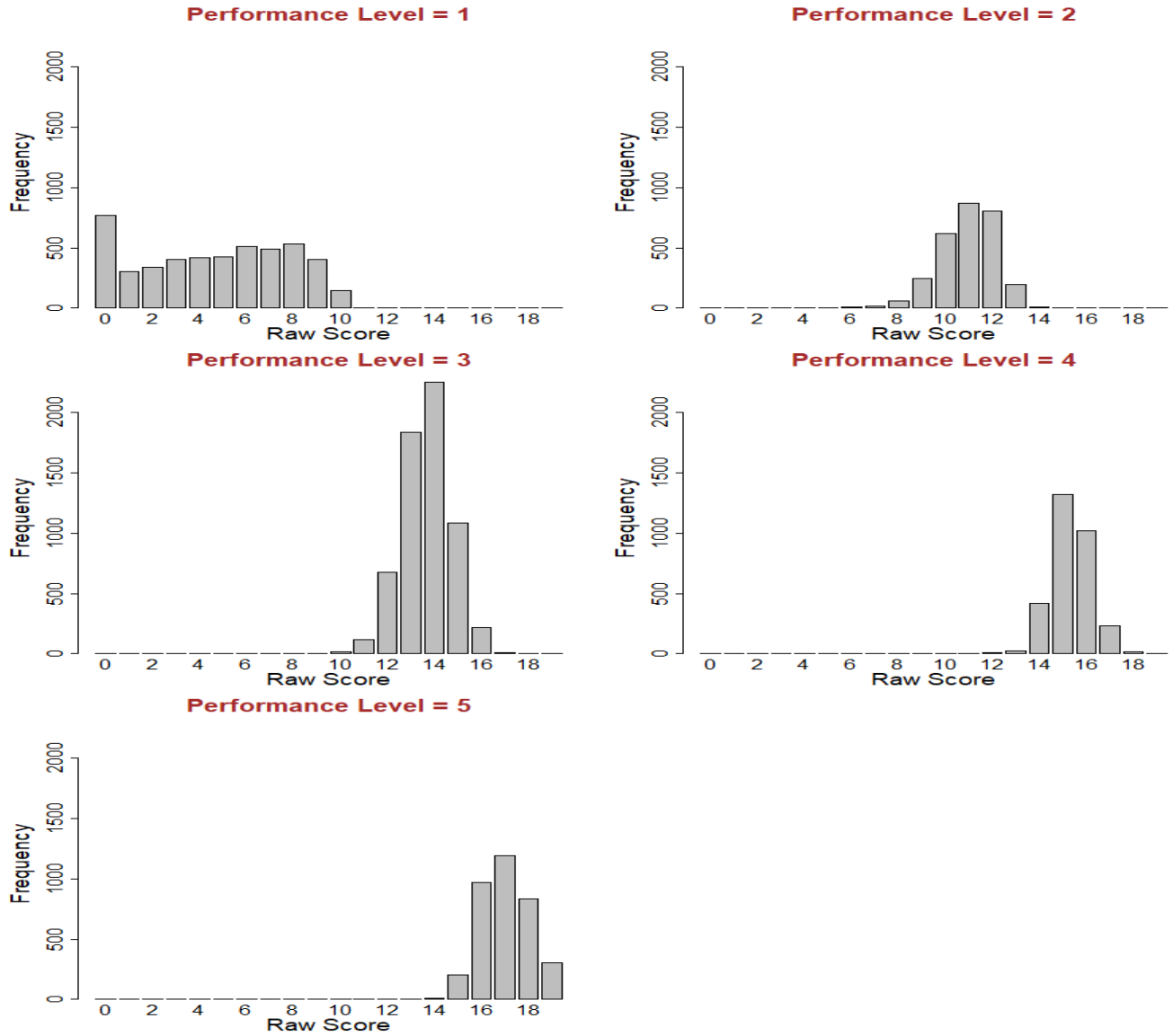


Figure S3.44: Summative Raw Score Distributions - Grade 8 Writing

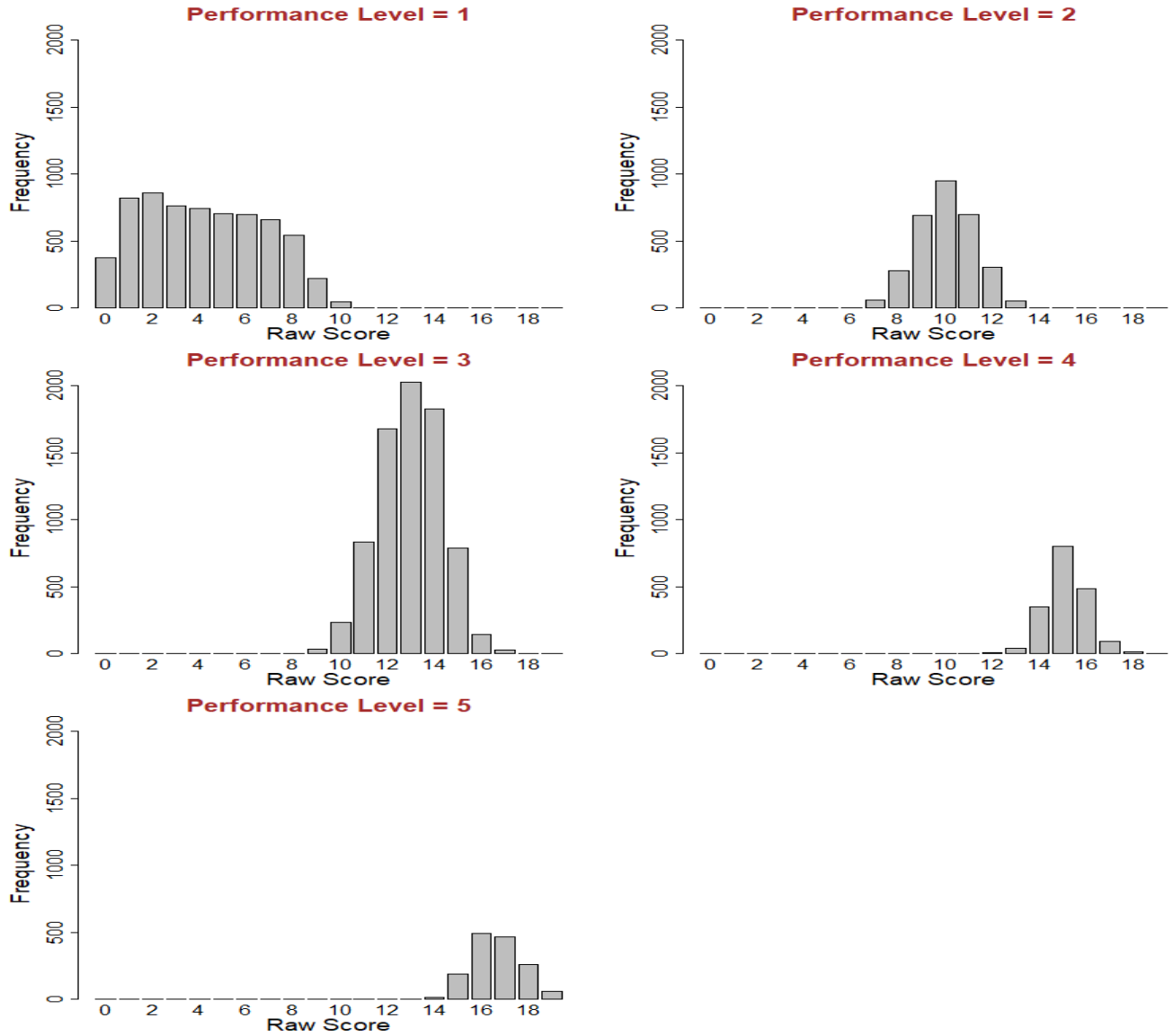


Figure S3.45: Summative Raw Score Distributions - Grade 8 Overall

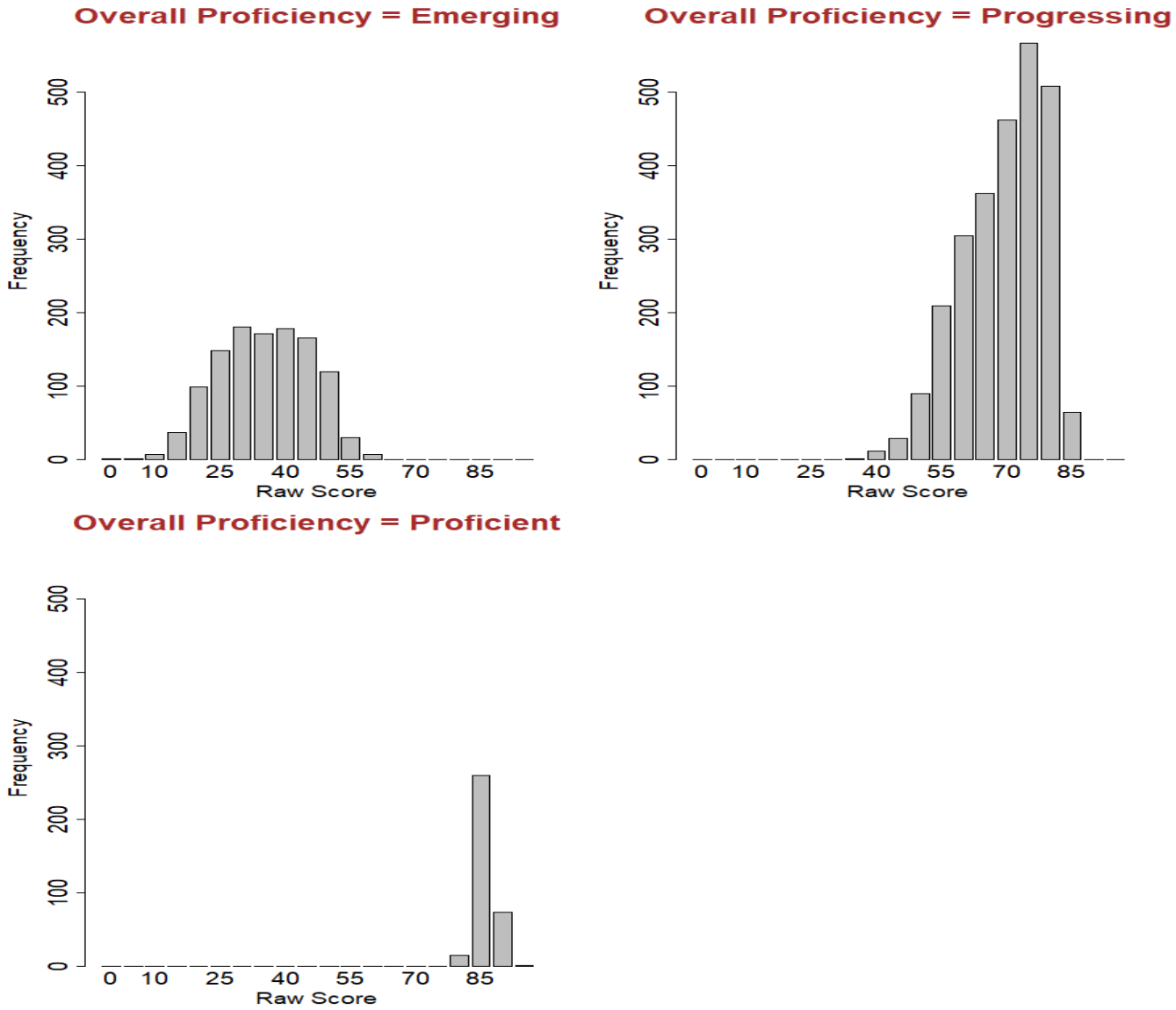


Figure S3.46: Summative Raw Score Distributions - Grade 9 Listening

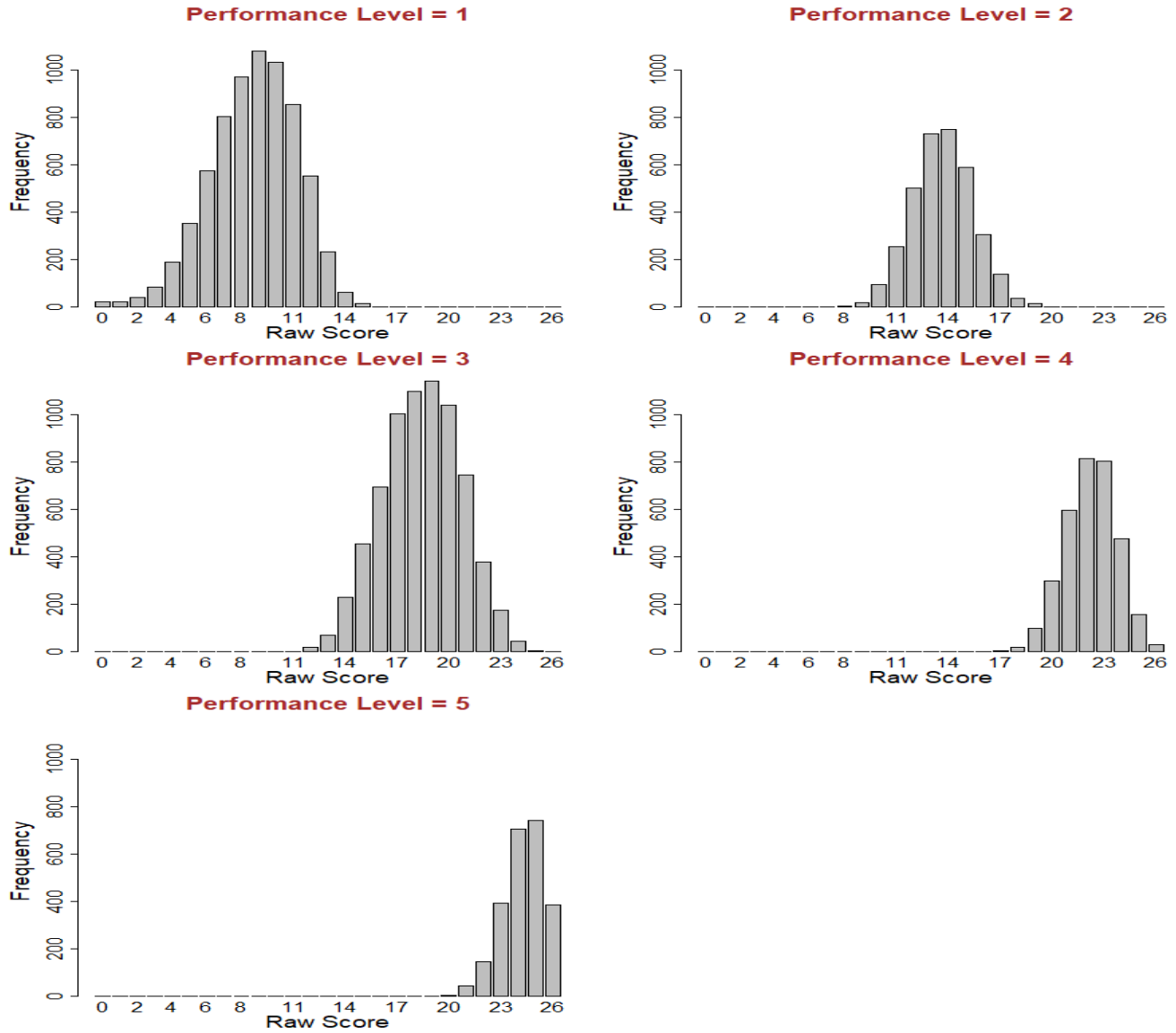


Figure S3.47: Summative Raw Score Distributions - Grade 9 Reading

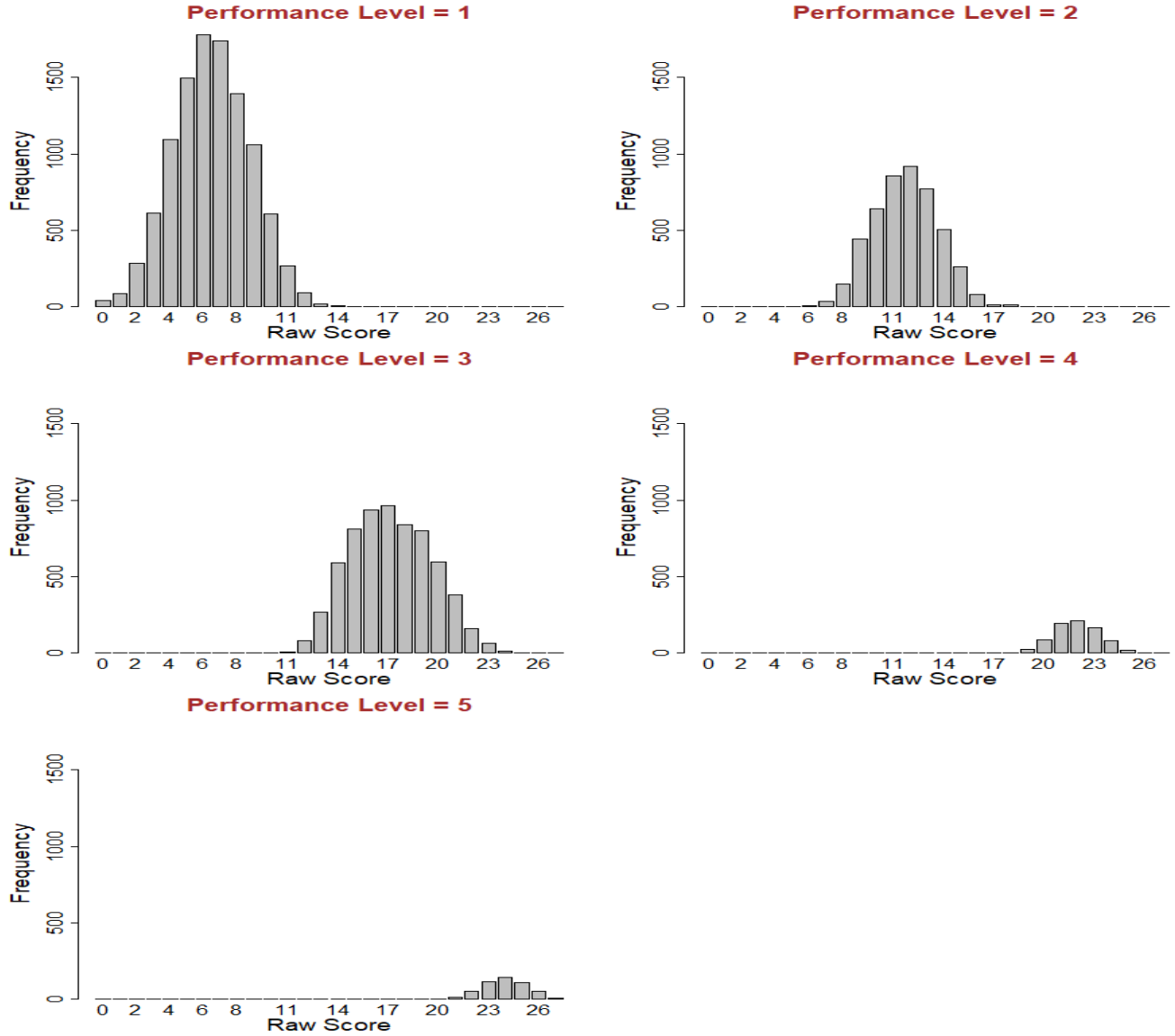


Figure S3.48: Summative Raw Score Distributions - Grade 9 Speaking

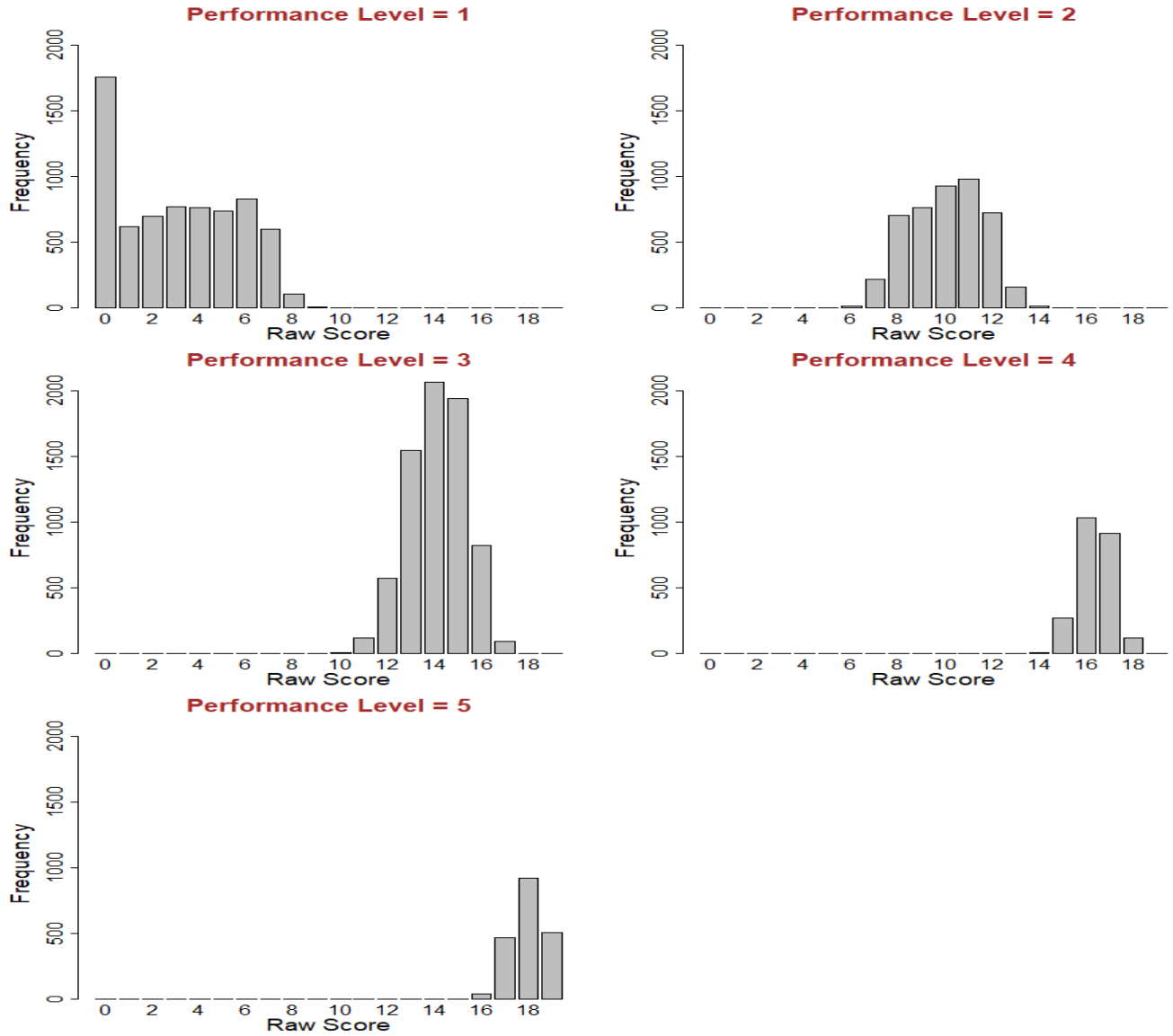


Figure S3.49: Summative Raw Score Distributions - Grade 9 Writing

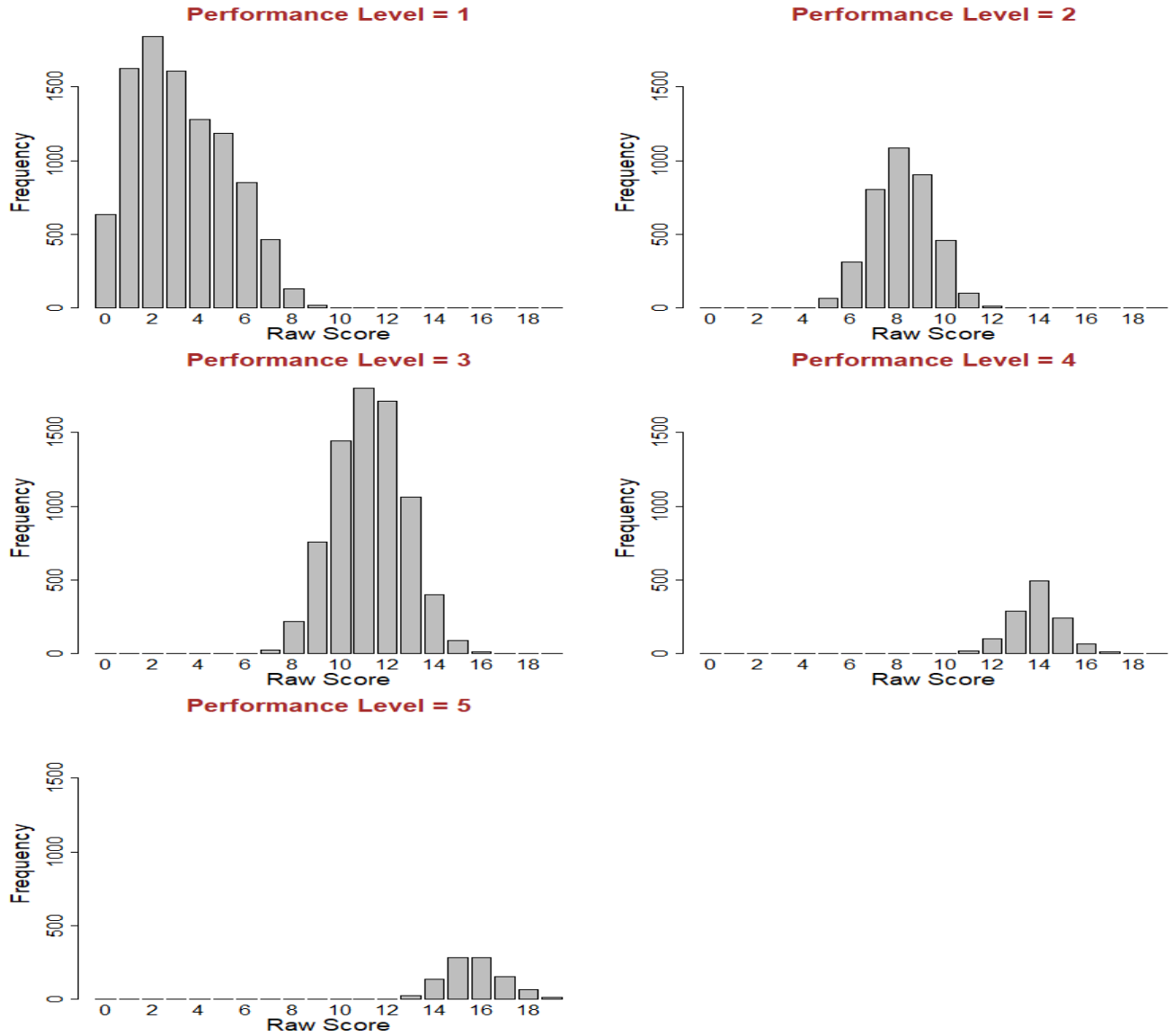


Figure S3.50: Summative Raw Score Distributions - Grade 9 Overall

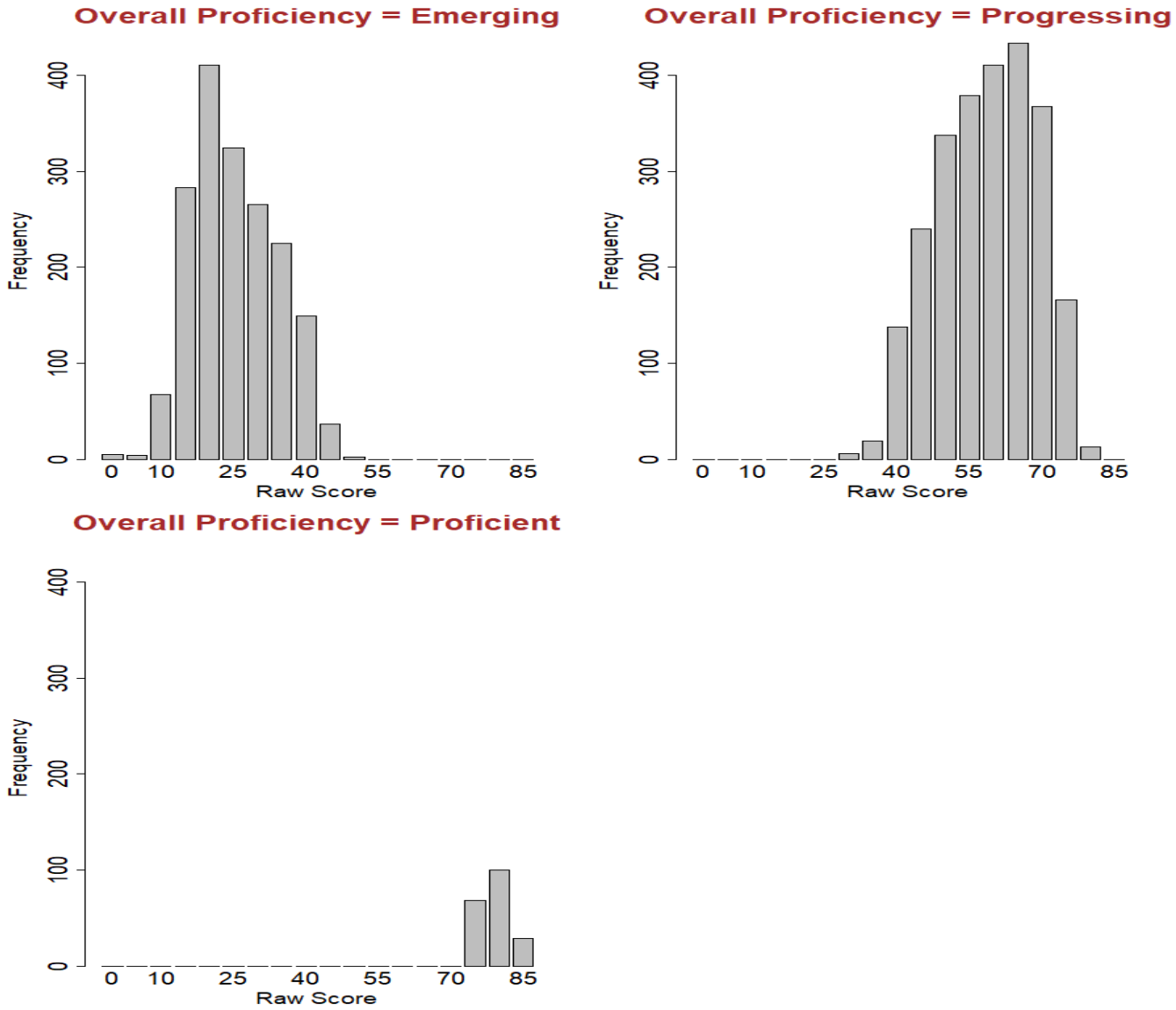


Figure S3.51: Summative Raw Score Distributions - Grade 10 Listening

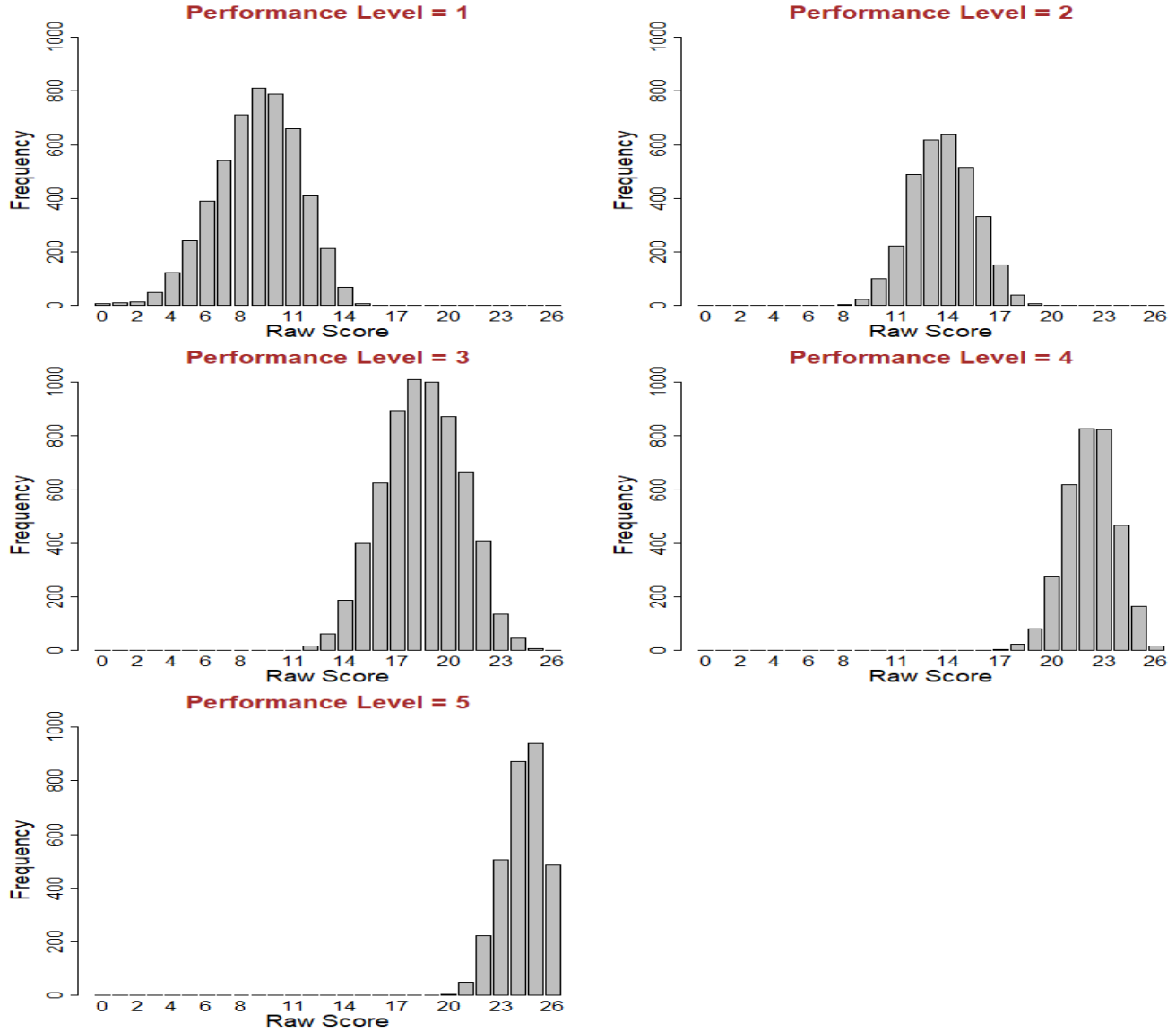


Figure S3.52: Summative Raw Score Distributions - Grade 10 Reading

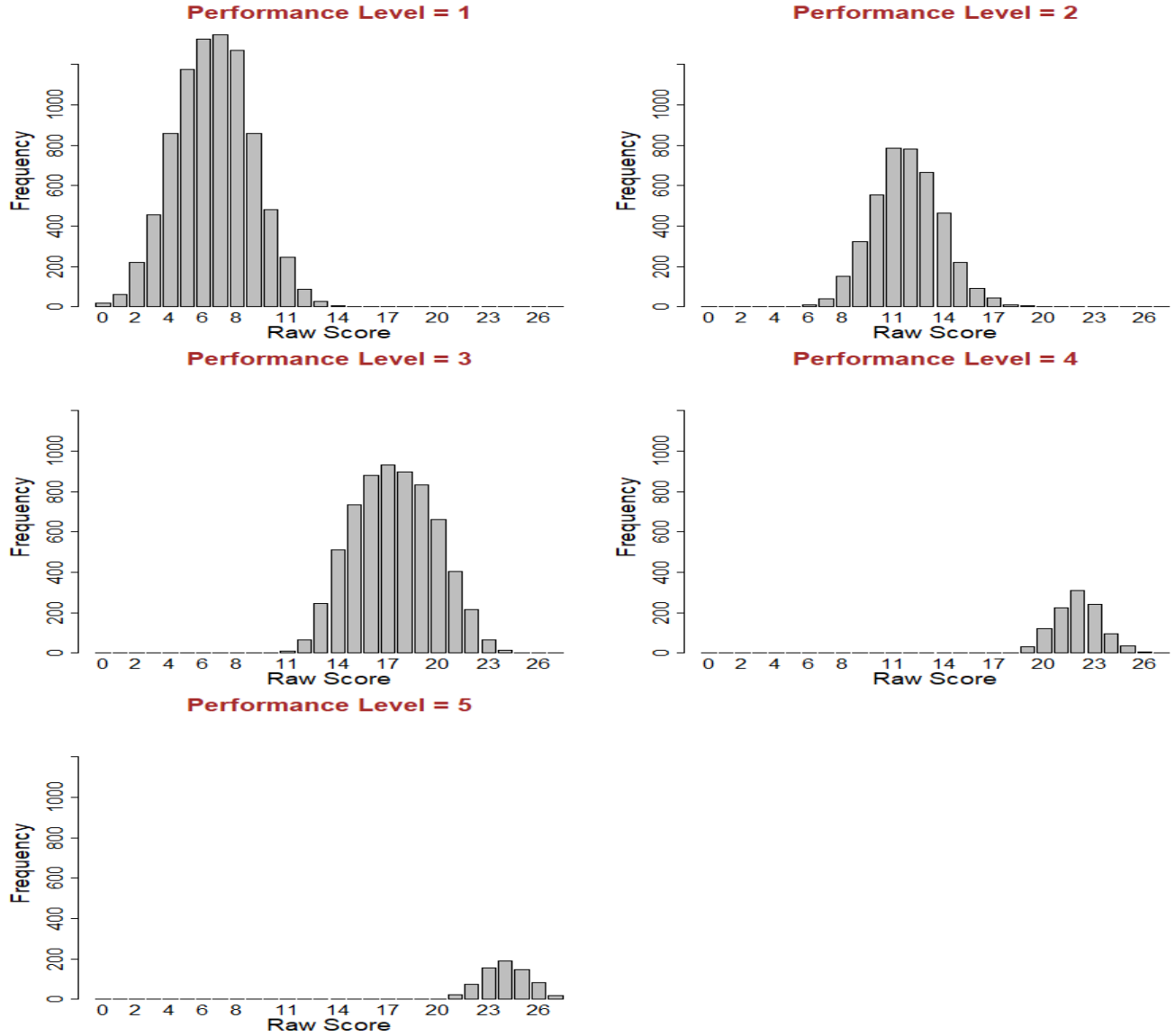


Figure S3.53: Summative Raw Score Distributions - Grade 10 Speaking

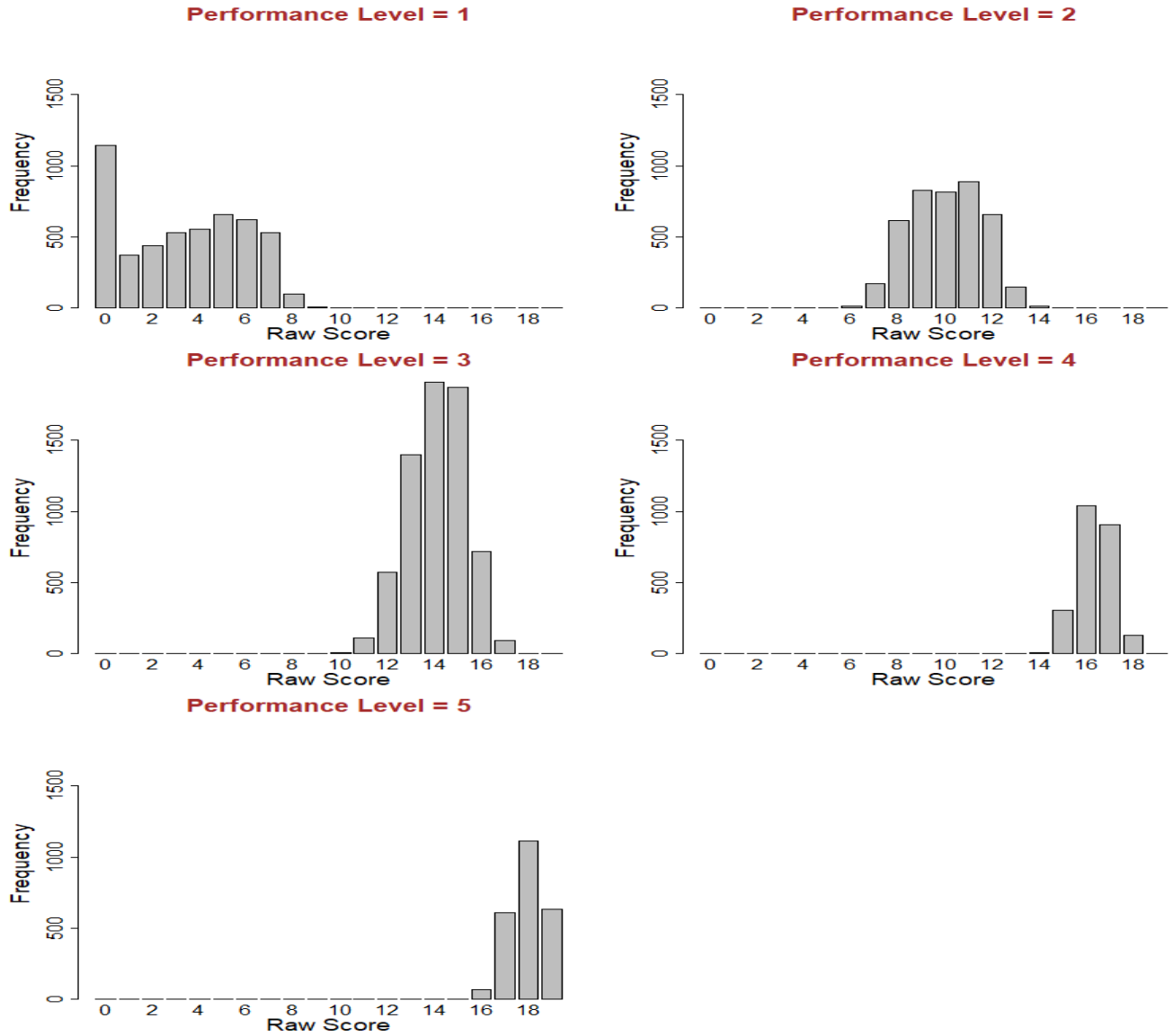


Figure S3.54: Summative Raw Score Distributions - Grade 10 Writing

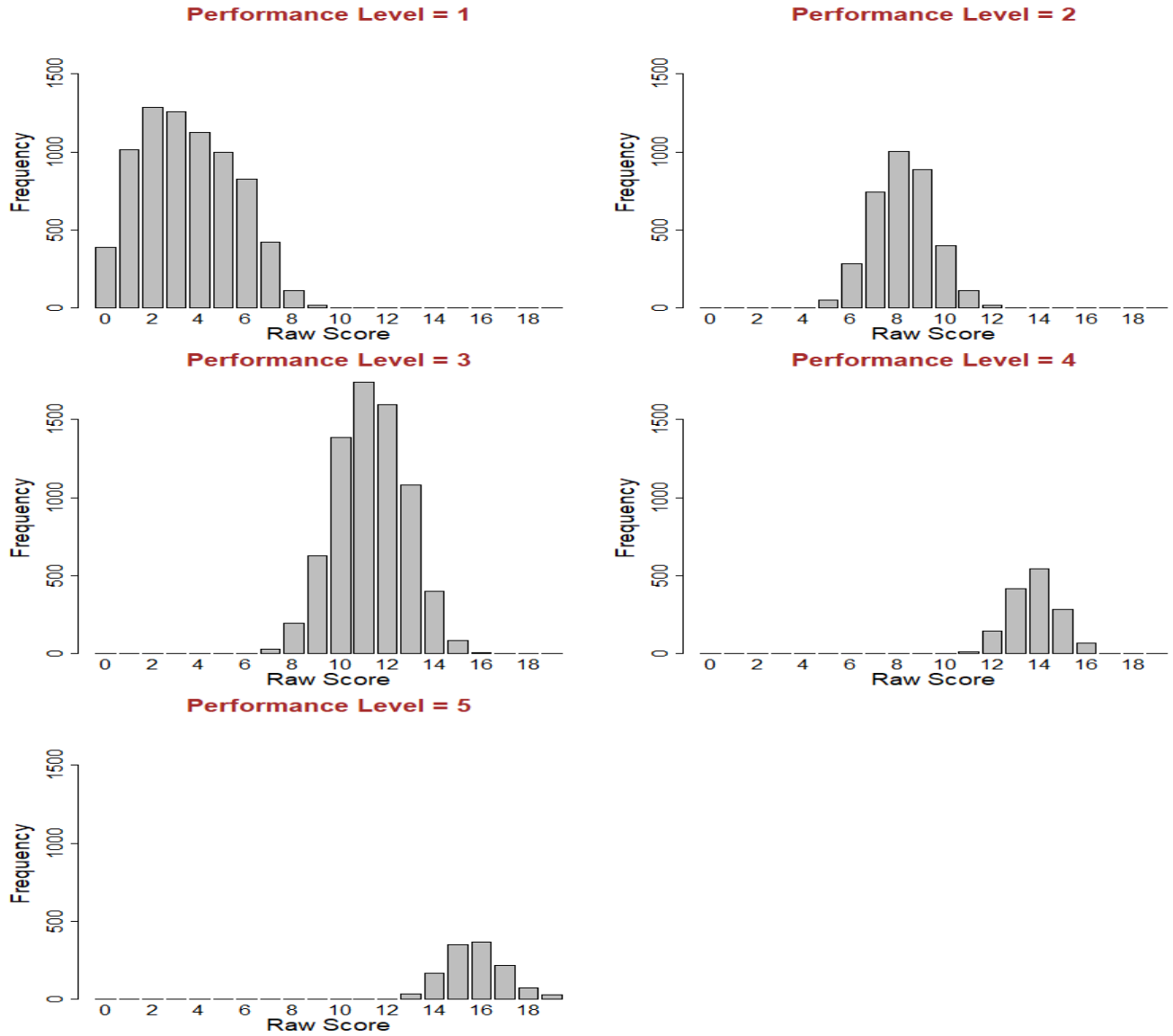


Figure S3.55: Summative Raw Score Distributions - Grade 10 Overall

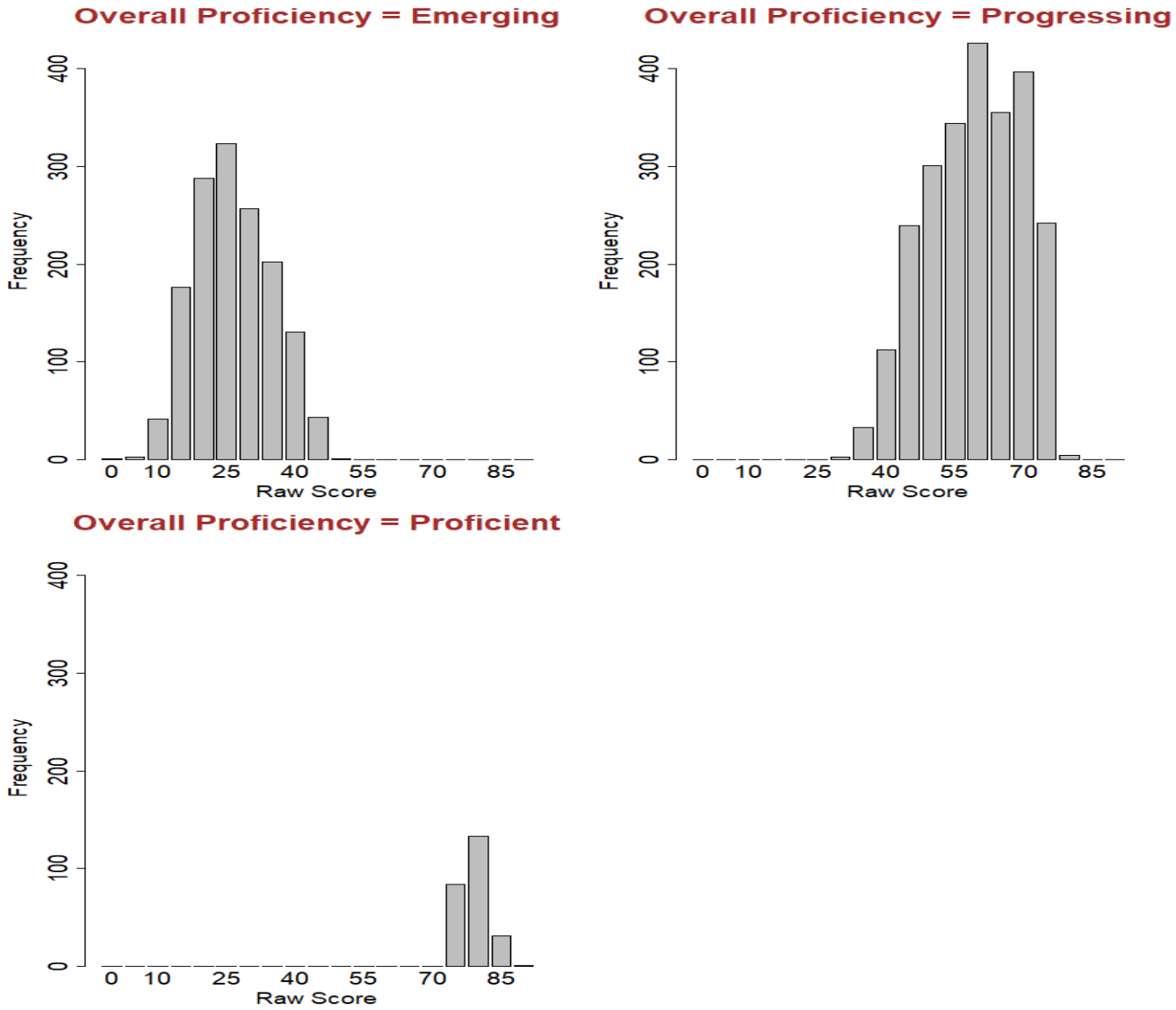


Figure S3.56: Summative Raw Score Distributions - Grade 11 Listening

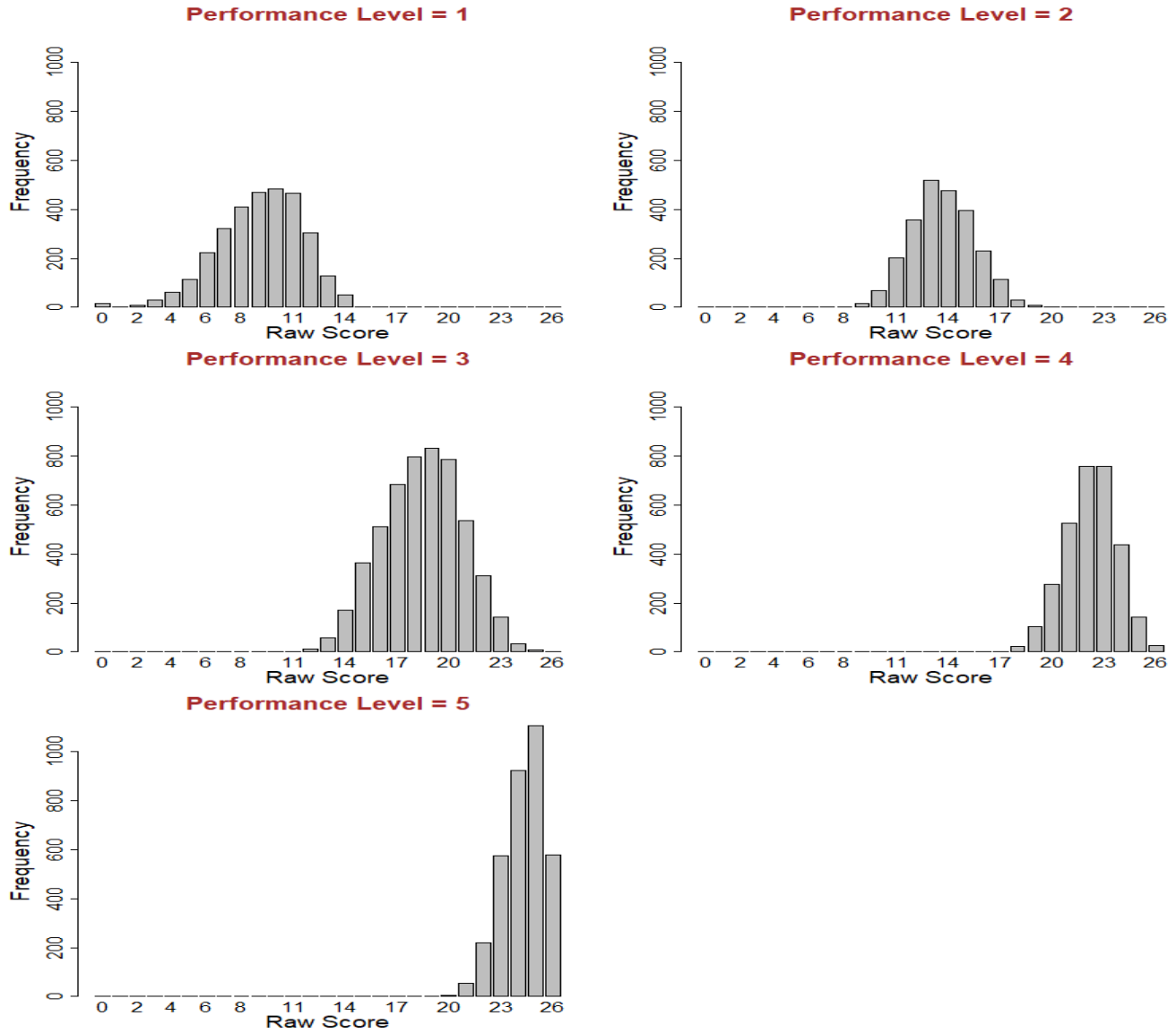


Figure S3.57: Summative Raw Score Distributions - Grade 11 Reading

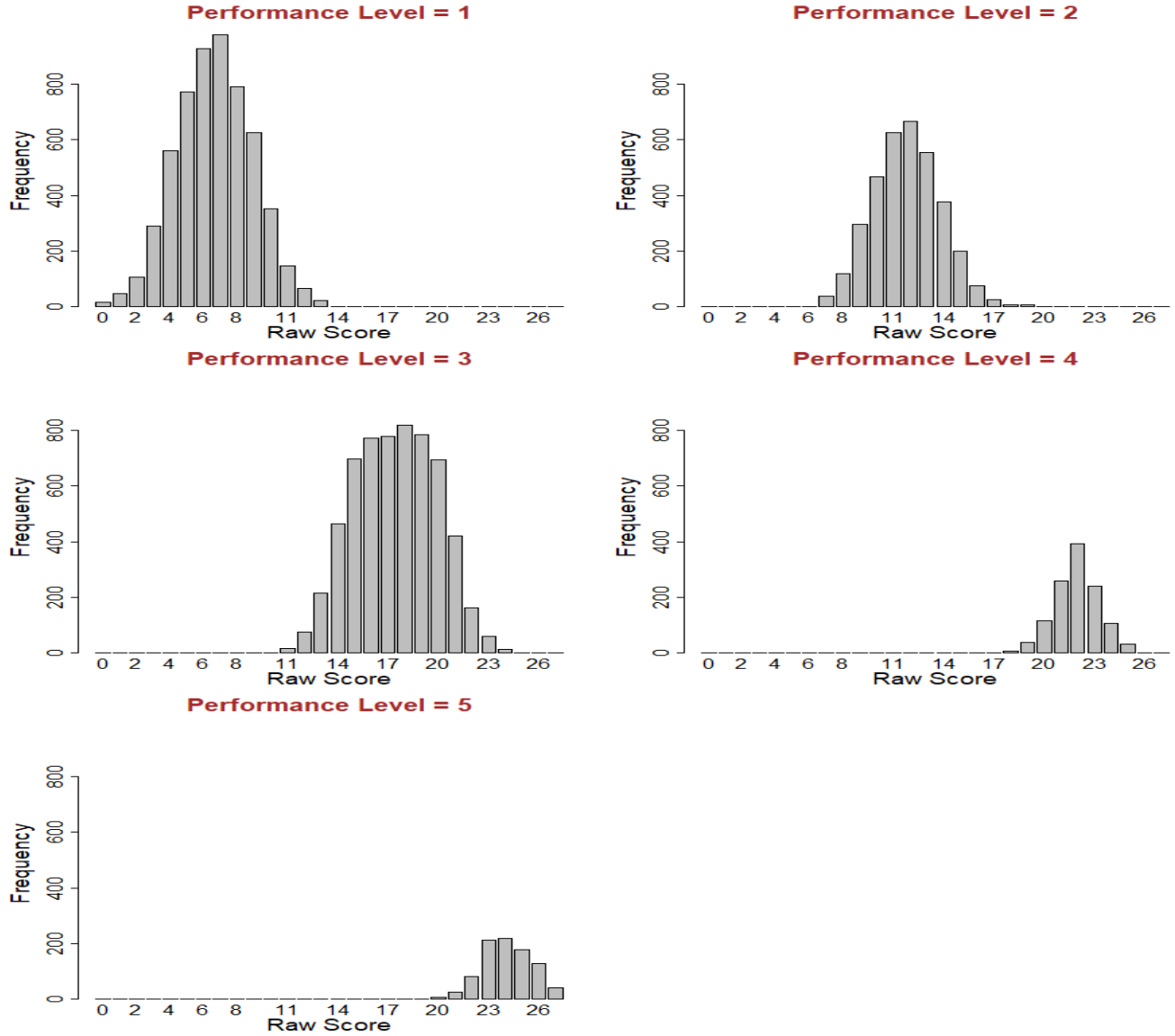


Figure S3.58: Summative Raw Score Distributions - Grade 11 Speaking

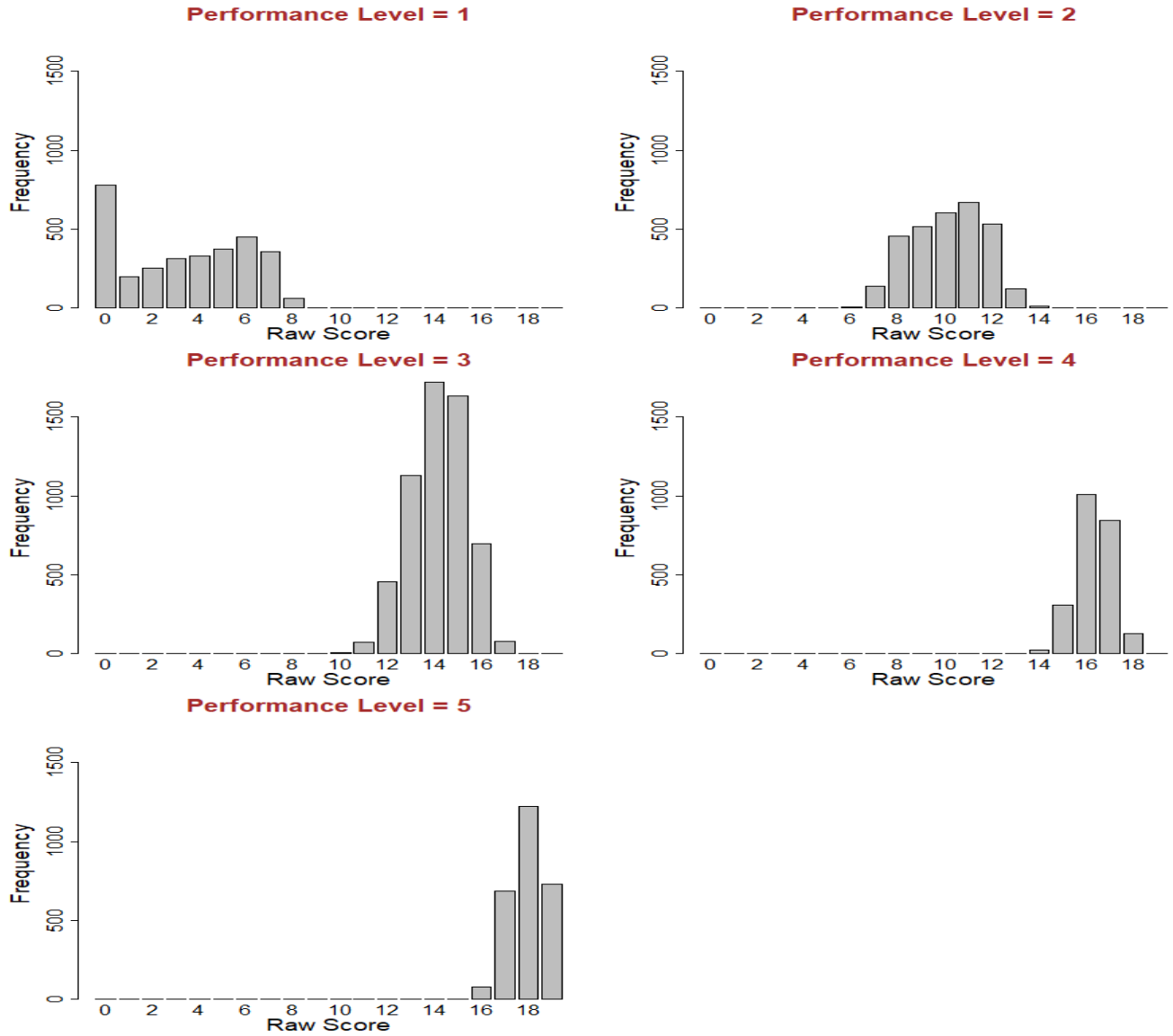


Figure S3.59: Summative Raw Score Distributions - Grade 11 Writing

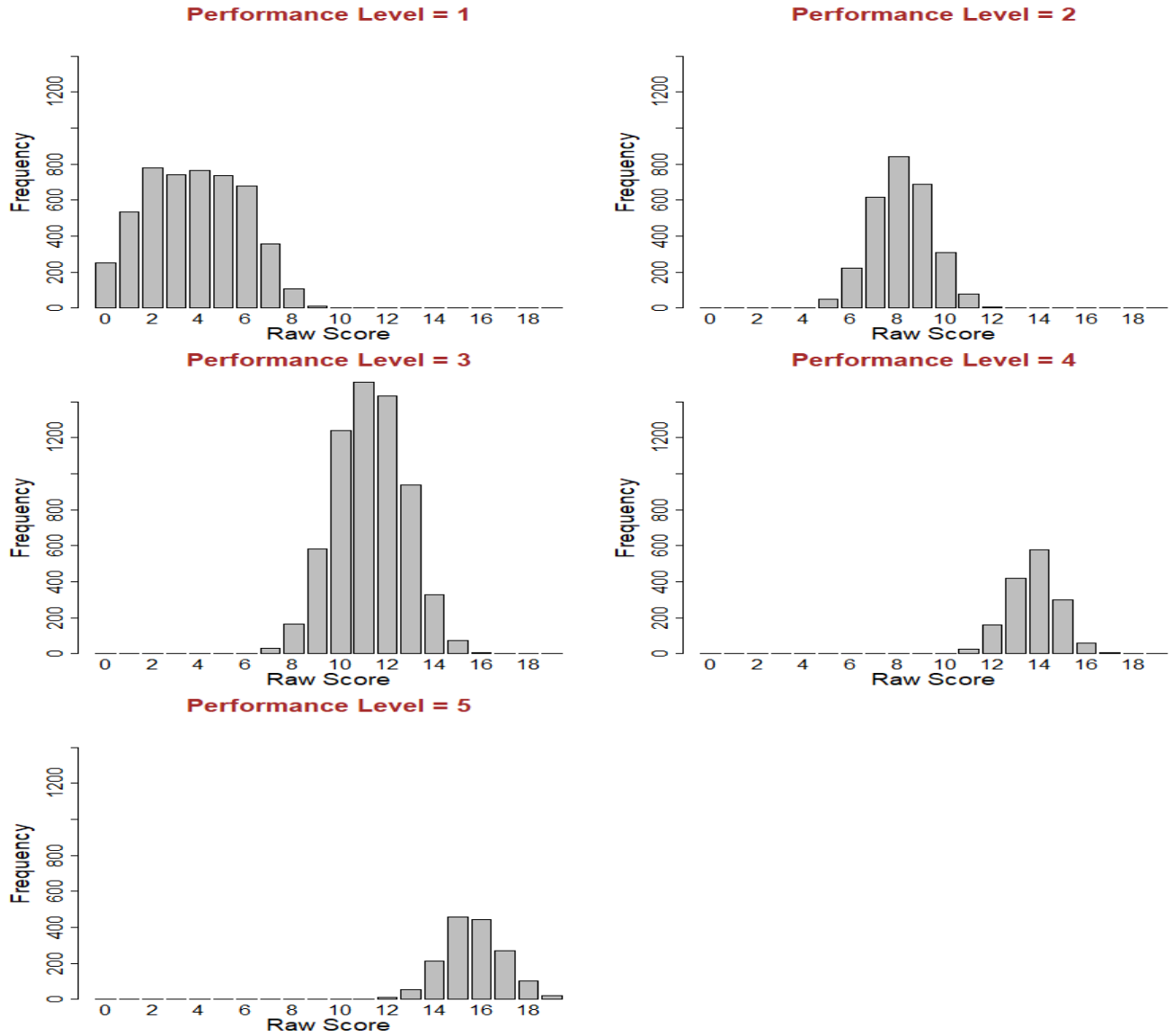


Figure S3.60: Summative Raw Score Distributions - Grade 11 Overall

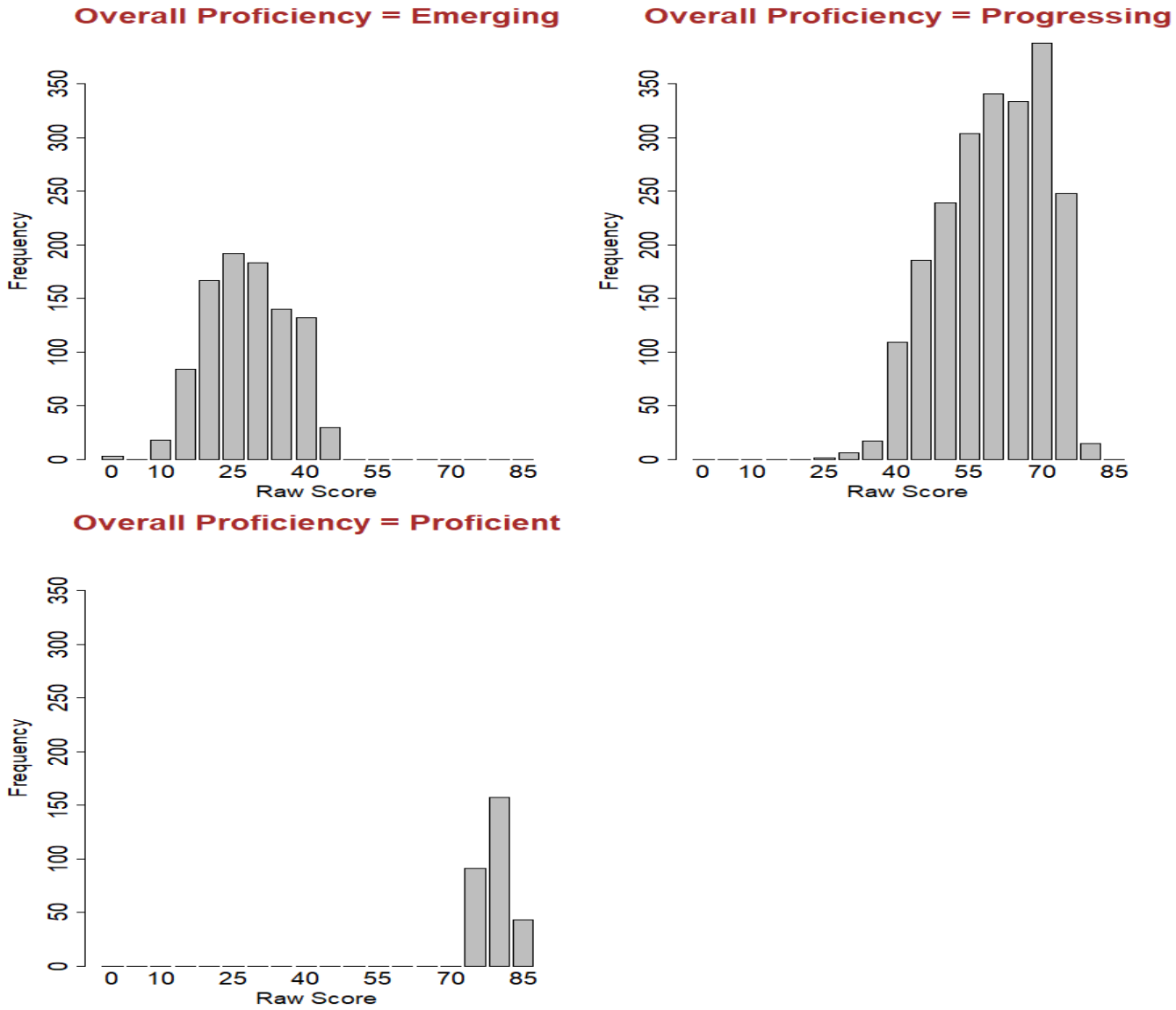


Figure S3.61: Summative Raw Score Distributions - Grade 12 Listening

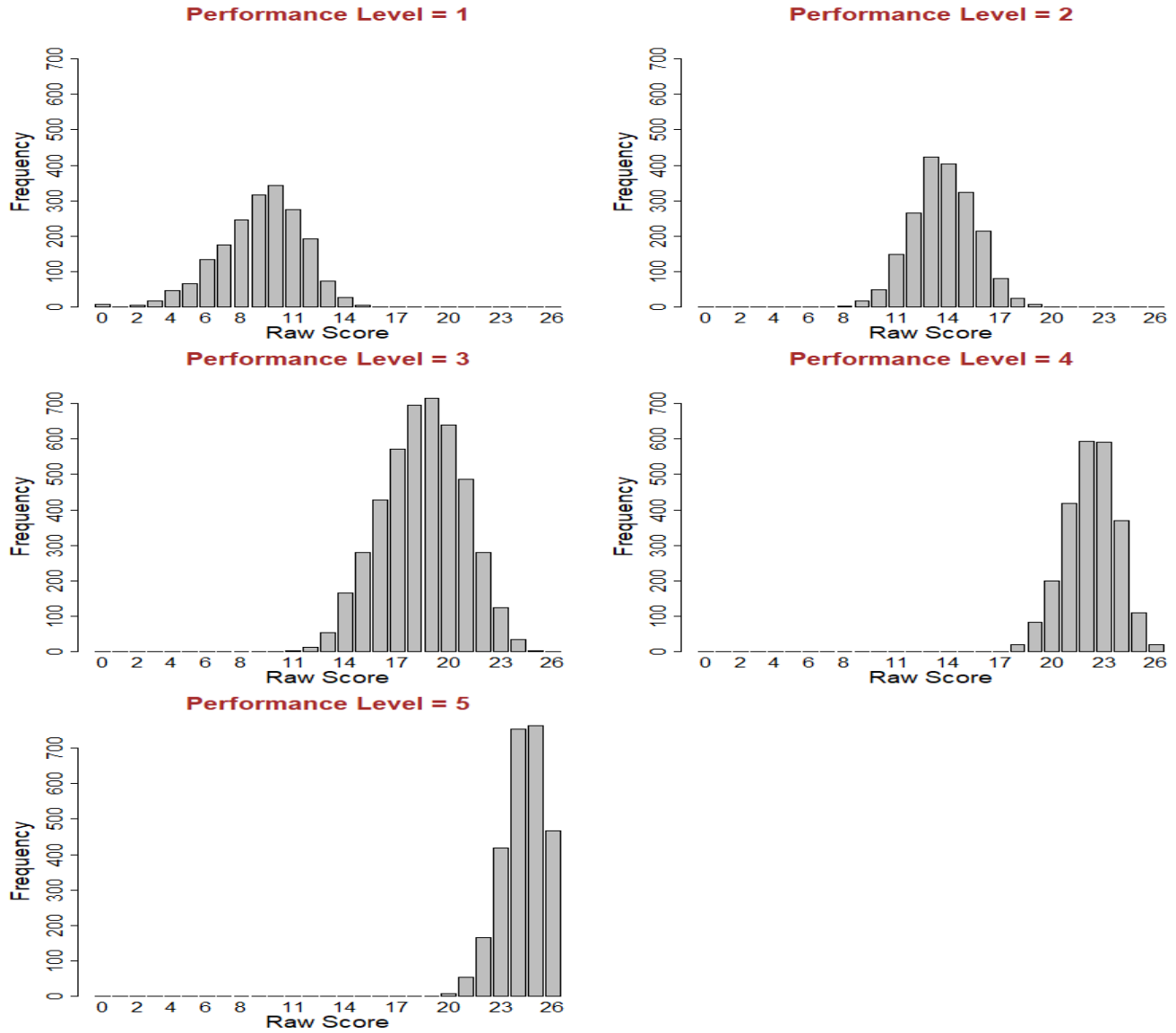


Figure S3.62: Summative Raw Score Distributions - Grade 12 Reading

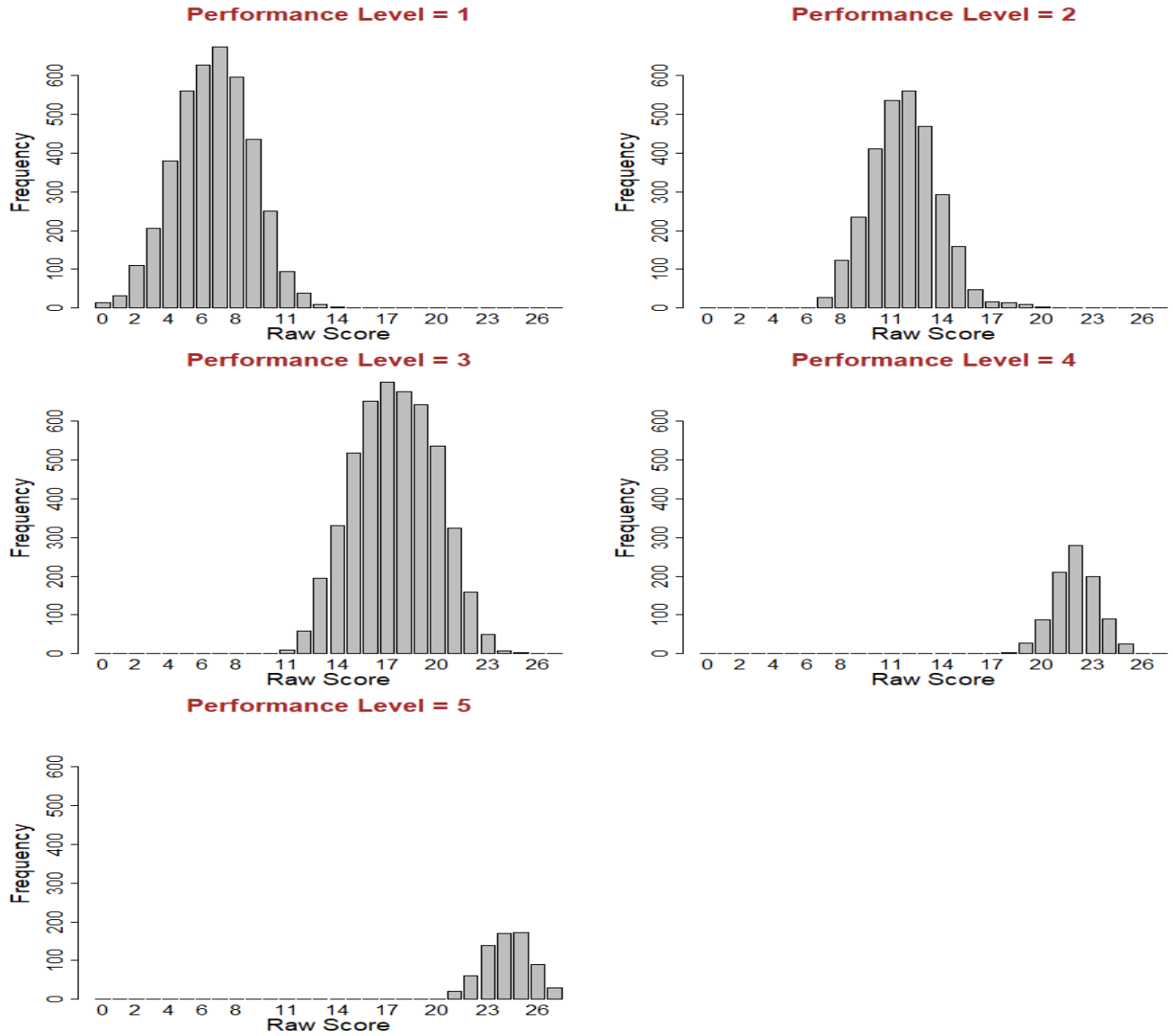


Figure S3.63: Summative Raw Score Distributions - Grade 12 Speaking

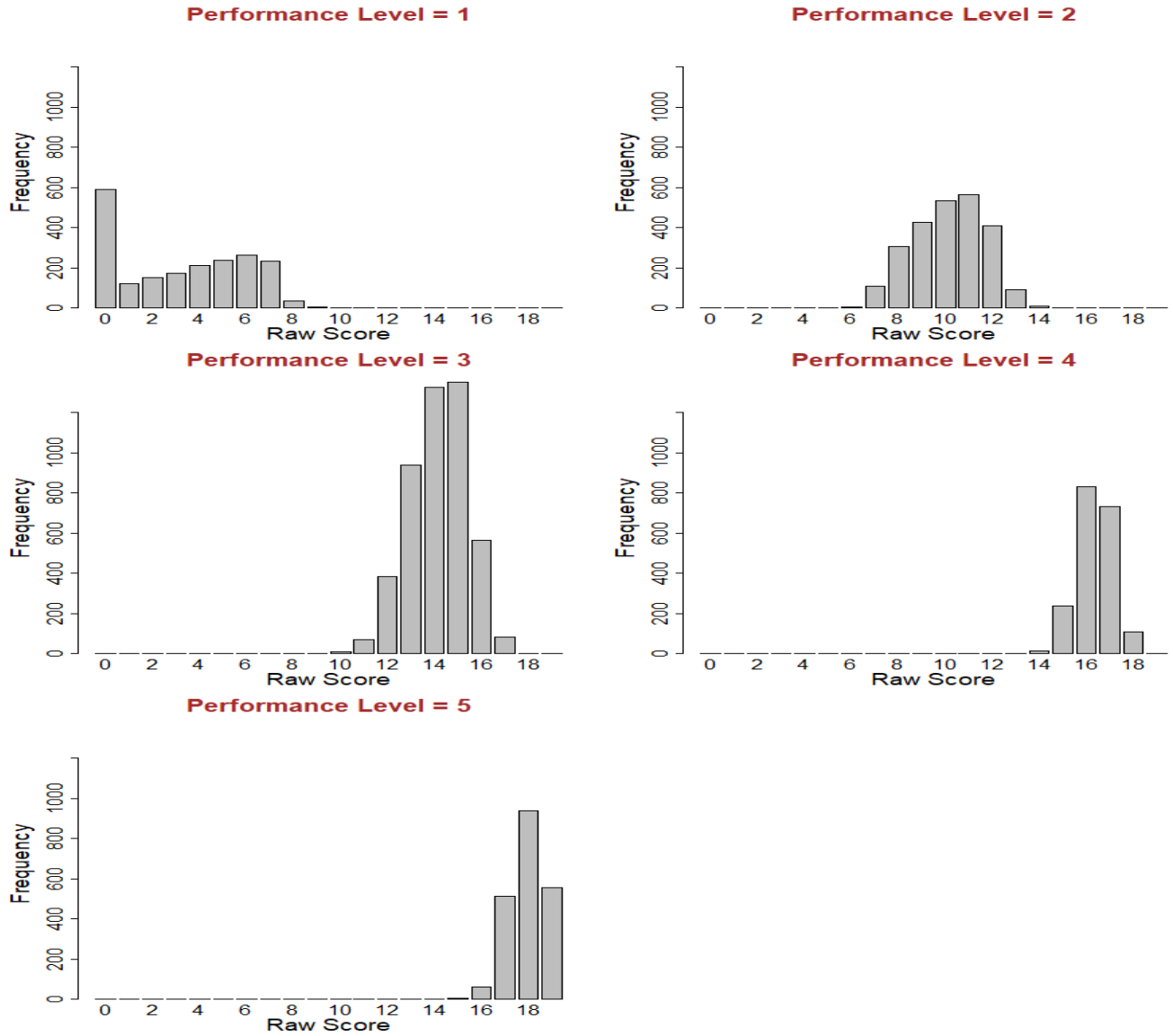


Figure S3.64: Summative Raw Score Distributions - Grade 12 Writing

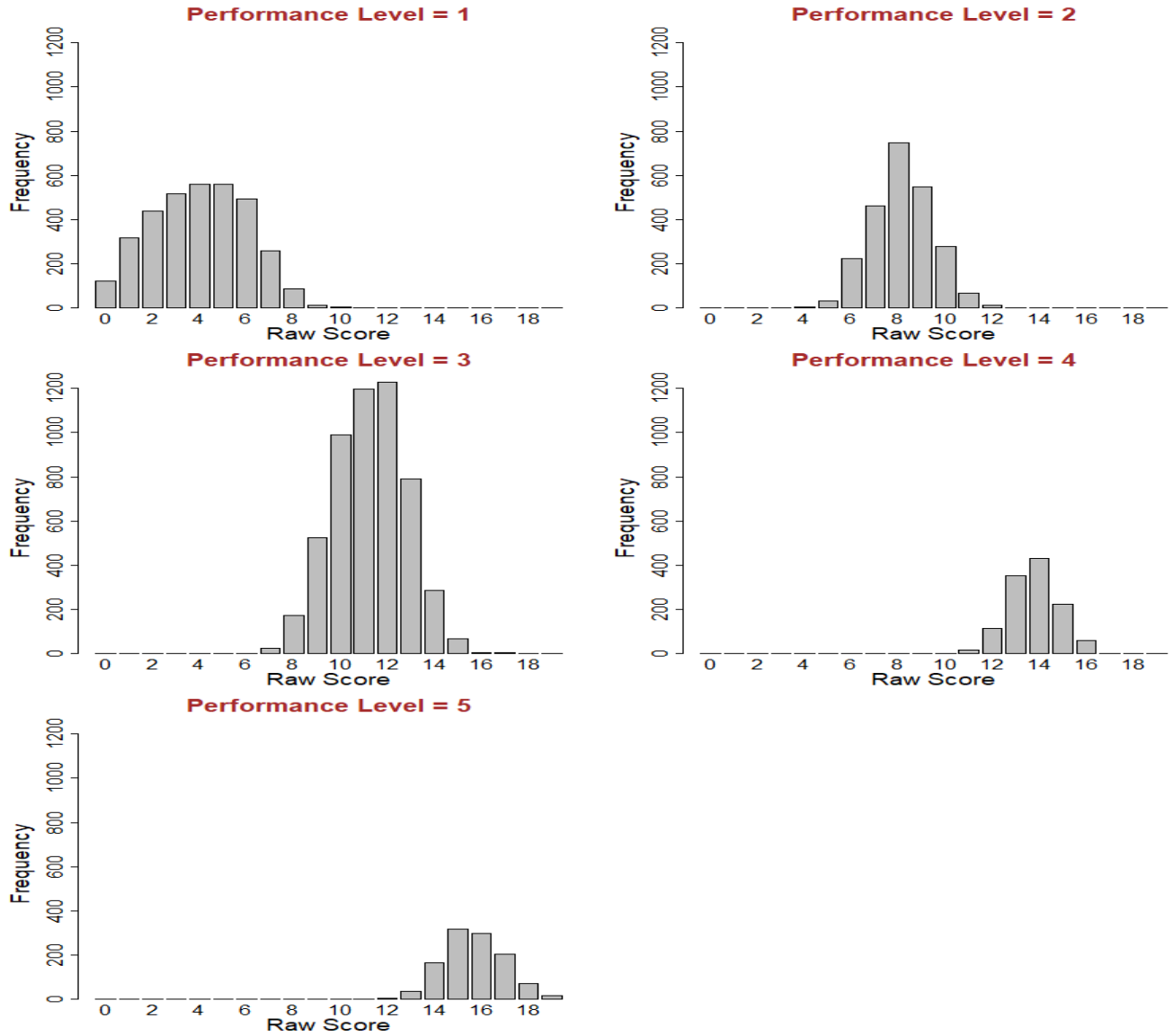
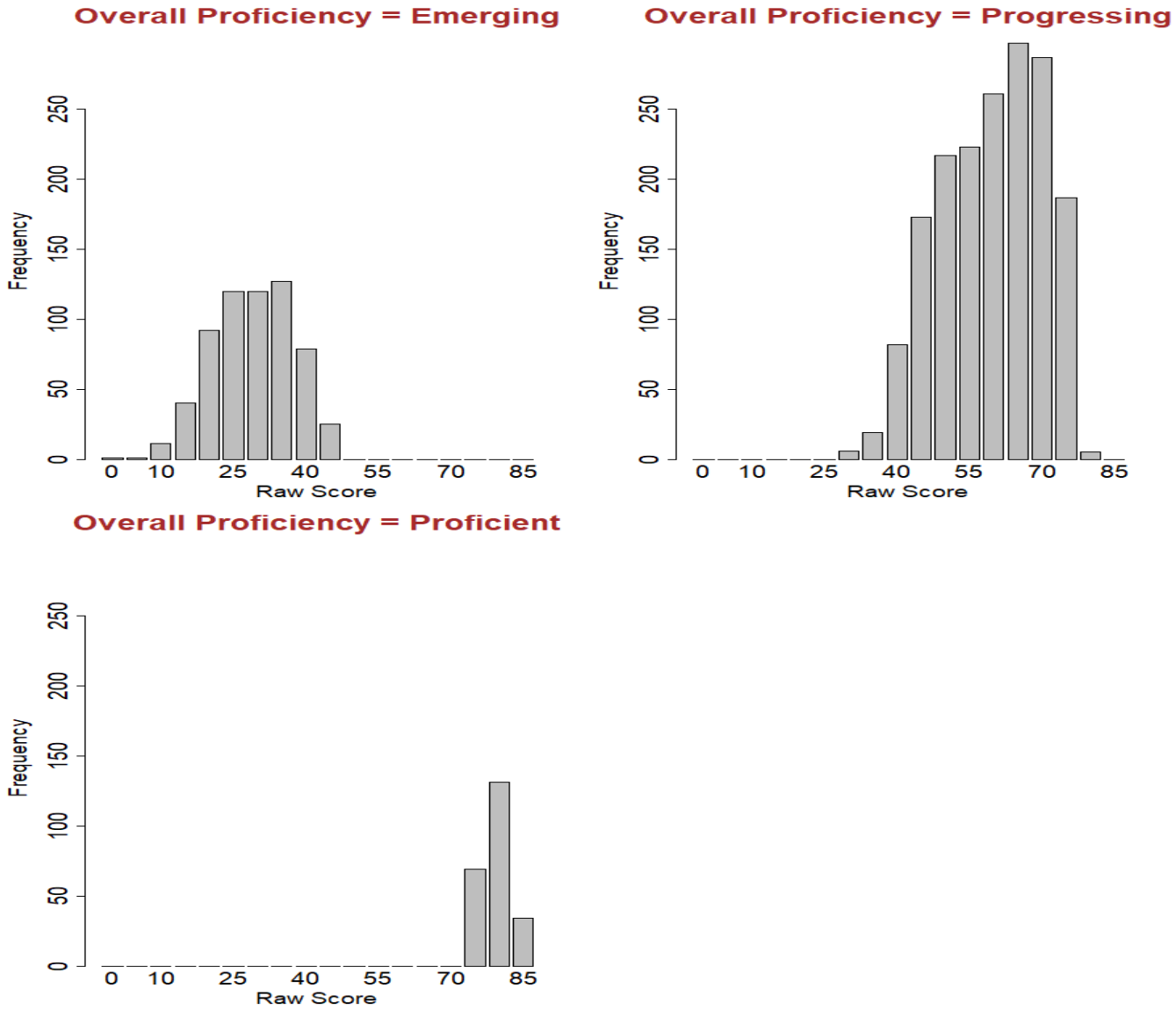


Figure S3.65: Summative Raw Score Distributions - Grade 12 Overall



Section 4: Summative Assessment - Scale Score Summary

* Domain tests with Exemption or Not Attempted are excluded.
* The statistics are suppressed when the N count is fewer than 10.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥41,990	245	532.6	743	79.4	≥41,860	256	536.3	737	75.1
Gender	**Female**	≥20,520	245	539.0	743	78.7	≥20,480	256	542.6	737	74.5
	Male	≥21,190	245	526.5	728	79.6	≥21,100	256	530.3	726	75.2
	Missing	≥270	340	523.8	718	79.4	≥270	363	525.7	713	76.7
Ethnicity	**American Indian or Alaska Native**	≥220	286	543.4	718	81.8	≥220	279	545.8	713	78.7
	Asian	≥4,900	245	574.1	726	76.7	≥4,880	256	574.9	724	73.6
	Black or African American	≥3,990	245	538.6	726	78.8	≥3,940	256	544.5	724	72.3
	Hispanic or Latino	≥27,720	245	520.8	726	76.4	≥27,680	256	525.0	724	72.4
	Native Hawaiian or Other Pacific Islander	≥640	245	527.1	726	75.8	≥640	256	530.9	724	71.3
	Two or More Races	≥470	336	556.5	726	81.4	≥470	361	559.5	724	77.1
	White	≥3,840	245	555.2	743	80.5	≥3,830	256	557.8	737	76.0
	Other/Unknown	≥180	257	532.5	726	92.2	≥180	267	540.8	724	84.6

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥41,610	301	537.4	713	88.2	≥41,810	315	528.7	716	74.0
Gender	**Female**	≥20,390	301	546.4	713	86.5	≥20,460	315	531.8	716	72.8
	Male	≥20,940	301	528.7	713	88.9	≥21,080	315	525.9	709	75.0
	Missing	≥270	337	527.8	710	97.4	≥270	354	518.0	705	72.7
Ethnicity	**American Indian or Alaska Native**	≥210	313	551.3	710	89.7	≥220	328	537.7	705	76.0
	Asian	≥4,850	301	579.1	713	79.1	≥4,880	315	572.4	709	80.8
	Black or African American	≥3,900	301	559.7	713	81.2	≥3,920	315	533.8	709	76.6
	Hispanic or Latino	≥27,540	301	522.5	713	87.1	≥27,660	315	517.1	709	67.7
	Native Hawaiian or Other Pacific Islander	≥630	301	534.9	713	80.4	≥640	315	520.7	709	73.0
	Two or More Races	≥470	337	564.6	713	85.9	≥470	374	549.9	709	79.5
	White	≥3,800	301	564.9	713	86.4	≥3,820	315	550.0	716	77.7
	Other/Unknown	≥180	344	540.8	713	91.2	≥180	321	540.4	709	78.1

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥42,020	3419	5381.7	6776	550.6	≥42,040	3254	5358.6	6882	598.8
Gender	**Female**	≥20,530	3419	5426.7	6711	545.0	≥20,540	3254	5410.1	6882	588.7
	Male	≥21,210	3419	5339.0	6776	552.5	≥21,220	3254	5309.9	6864	604.2
	Missing	≥270	4101	5312.7	6464	558.3	≥270	3821	5276.0	6817	617.6
Ethnicity	**American Indian or Alaska Native**	≥220	3646	5446.9	6464	564.1	≥220	3400	5450.0	6817	617.0
	Asian	≥4,900	3419	5638.5	6464	514.3	≥4,900	3254	5698.0	6864	581.6
	Black or African American	≥3,990	3419	5416.6	6464	538.5	≥4,000	3254	5437.3	6864	578.7
	Hispanic or Latino	≥27,740	3419	5309.4	6464	541.1	≥27,750	3254	5257.7	6864	572.3
	Native Hawaiian or Other Pacific Islander	≥640	3419	5351.0	6464	529.3	≥640	3254	5313.7	6864	569.0
	Two or More Races	≥470	4021	5533.6	6464	549.2	≥470	3859	5551.8	6864	612.9
	White	≥3,840	3419	5521.9	6776	543.3	≥3,840	3254	5548.6	6882	603.1
	Other/Unknown	≥180	3419	5380.1	6464	628.2	≥180	3397	5390.8	6864	674.3

* Scale scores cannot be compared across grade bands.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥41,230	241	533.4	698	83.3	≥41,080	242	528.6	740	83.4
Gender	**Female**	≥19,950	241	539.0	698	82.0	≥19,900	242	533.6	740	82.9
	Male	≥21,060	241	528.2	698	84.3	≥20,950	242	524.1	740	83.7
	Missing	≥220	309	528.7	687	80.7	≥220	265	518.5	729	76.8
Ethnicity	**American Indian or Alaska Native**	≥220	319	529.4	698	86.6	≥220	360	524.0	740	86.6
	Asian	≥4,980	241	573.0	698	78.4	≥4,950	242	578.2	740	84.3
	Black or African American	≥3,790	241	541.3	698	80.5	≥3,730	242	535.7	740	83.5
	Hispanic or Latino	≥27,240	241	522.0	698	82.0	≥27,200	242	515.4	740	79.0
	Native Hawaiian or Other Pacific Islander	≥660	274	540.7	698	73.2	≥650	251	534.4	740	77.2
	Two or More Races	≥430	309	554.0	698	83.7	≥430	260	551.2	740	88.2
	White	≥3,720	241	552.0	698	81.9	≥3,700	242	548.5	740	83.5
	Other/Unknown	≥170	371	542.3	685	90.1	≥170	376	542.8	729	87.2

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥40,880	277	552.1	725	82.2	≥41,050	245	520.3	727	90.7
Gender	**Female**	≥19,820	277	559.5	716	78.8	≥19,890	245	526.2	722	89.3
	Male	≥20,830	277	545.1	725	84.8	≥20,940	245	514.7	727	91.7
	Missing	≥220	287	540.8	692	77.1	≥220	268	515.1	719	82.7
Ethnicity	**American Indian or Alaska Native**	≥220	310	549.1	698	86.9	≥220	330	510.7	722	97.1
	Asian	≥4,920	277	589.6	698	72.3	≥4,950	245	573.9	722	85.0
	Black or African American	≥3,700	277	563.3	698	75.6	≥3,730	245	526.5	722	90.8
	Hispanic or Latino	≥27,090	277	540.8	698	82.8	≥27,180	245	505.6	722	87.2
	Native Hawaiian or Other Pacific Islander	≥650	281	560.6	698	78.2	≥650	254	531.2	722	83.1
	Two or More Races	≥430	285	571.9	698	78.3	≥430	264	547.6	722	92.6
	White	≥3,670	277	569.8	725	77.0	≥3,690	245	544.5	727	89.4
	Other/Unknown	≥170	328	554.7	692	89.0	≥170	344	534.0	719	97.0

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥41,250	3437	5366.0	6649	567.7	≥41,270	3038	5363.0	6864	663.8
Gender	**Female**	≥19,950	3437	5400.9	6649	560.8	≥19,960	3038	5414.0	6840	651.3
	Male	≥21,070	3437	5333.4	6649	572.4	≥21,080	3038	5315.4	6864	672.5
	Missing	≥220	3815	5315.1	6649	540.2	≥220	3353	5297.2	6734	604.7
Ethnicity	**American Indian or Alaska Native**	≥220	4064	5339.1	6649	583.9	≥220	3659	5321.2	6840	706.4
	Asian	≥4,980	3437	5669.8	6649	563.3	≥4,980	3038	5735.1	6840	627.3
	Black or African American	≥3,790	3437	5417.9	6649	558.6	≥3,790	3038	5423.8	6840	644.6
	Hispanic or Latino	≥27,260	3437	5282.8	6649	547.8	≥27,270	3038	5258.8	6840	644.2
	Native Hawaiian or Other Pacific Islander	≥660	3588	5400.7	6649	508.6	≥660	3173	5430.1	6840	602.2
	Two or More Races	≥430	3738	5505.7	6649	582.4	≥430	3297	5551.7	6840	674.5
	White	≥3,720	3437	5490.2	6649	559.8	≥3,720	3038	5530.8	6864	648.8
	Other/Unknown	≥170	4354	5443.7	6649	604.2	≥170	4020	5447.9	6711	719.9

* Scale scores cannot be compared across grade bands.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥37,790	232	511.9	727	74.3	≥37,640	235	504.2	758	74.0
Gender	**Female**	≥17,870	232	514.5	727	73.7	≥17,810	235	508.7	758	74.7
	Male	≥19,730	232	509.5	727	74.8	≥19,630	235	500.0	758	73.2
	Missing	≥190	325	514.1	668	74.7	≥190	353	505.8	710	70.7
Ethnicity	**American Indian or Alaska Native**	≥180	335	504.4	689	76.6	≥180	364	496.0	710	71.4
	Asian	≥3,910	256	538.2	727	72.4	≥3,880	251	541.0	758	74.0
	Black or African American	≥3,250	232	515.0	697	73.6	≥3,200	235	508.4	726	73.5
	Hispanic or Latino	≥26,170	232	505.8	727	73.8	≥26,110	235	495.9	758	72.1
	Native Hawaiian or Other Pacific Islander	≥610	232	509.1	684	65.2	≥610	235	507.0	708	67.8
	Two or More Races	≥400	349	527.9	696	73.5	≥390	280	521.8	718	74.0
	White	≥3,130	232	525.4	723	73.7	≥3,120	235	520.3	752	74.4
	Other/Unknown	≥120	325	518.4	683	82.5	≥120	360	516.4	704	80.5

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥37,520	267	515.3	722	78.4	≥37,620	242	498.2	757	82.1
Gender	**Female**	≥17,780	267	521.1	722	77.1	≥17,810	242	503.9	757	81.6
	Male	≥19,540	267	510.0	722	79.2	≥19,610	242	492.9	757	82.3
	Missing	≥190	315	515.7	691	80.2	≥190	325	503.2	696	76.1
Ethnicity	**American Indian or Alaska Native**	≥180	320	512.7	691	80.6	≥180	345	489.2	694	80.5
	Asian	≥3,860	275	543.2	722	74.6	≥3,880	257	539.4	757	76.7
	Black or African American	≥3,190	267	522.7	700	75.2	≥3,200	242	503.3	718	80.9
	Hispanic or Latino	≥26,030	267	507.7	722	78.5	≥26,100	242	488.6	757	80.8
	Native Hawaiian or Other Pacific Islander	≥600	267	519.0	690	67.3	≥610	242	508.8	695	76.4
	Two or More Races	≥390	289	533.4	697	74.2	≥390	286	519.3	722	79.5
	White	≥3,110	267	533.8	719	75.6	≥3,120	242	517.3	753	81.3
	Other/Unknown	≥120	311	516.3	647	85.1	≥120	332	512.4	707	88.3

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥37,810	3325	5206.4	6801	528.9	≥37,830	3029	5148.4	7048	599.6
Gender	**Female**	≥17,870	3325	5228.1	6801	530.0	≥17,880	3029	5186.8	7048	595.5
	Male	≥19,740	3325	5186.6	6665	527.2	≥19,750	3029	5113.4	7048	601.3
	Missing	≥190	4072	5218.6	6530	520.1	≥190	3747	5172.4	6659	581.0
Ethnicity	**American Indian or Alaska Native**	≥180	4067	5146.5	6623	521.7	≥180	3948	5092.6	6697	601.0
	Asian	≥3,910	3531	5428.8	6665	538.6	≥3,910	3202	5416.1	7048	579.8
	Black or African American	≥3,250	3325	5229.5	6665	526.9	≥3,250	3029	5184.7	6782	588.3
	Hispanic or Latino	≥26,180	3325	5157.3	6665	518.1	≥26,190	3029	5084.4	7048	591.4
	Native Hawaiian or Other Pacific Islander	≥610	3325	5185.0	6623	462.8	≥610	3029	5177.1	6660	530.6
	Two or More Races	≥400	3949	5319.9	6623	532.8	≥400	3541	5295.1	6751	585.6
	White	≥3,130	3325	5305.2	6801	528.2	≥3,130	3029	5287.0	7015	593.2
	Other/Unknown	≥120	4037	5279.6	6665	595.7	≥120	3757	5221.6	6424	650.1

* Scale scores cannot be compared across grade bands.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥33,780	232	538.2	727	82.2	≥33,610	235	539.2	758	84.8
Gender	**Female**	≥15,950	232	540.1	727	82.3	≥15,900	235	544.5	758	85.6
	Male	≥17,710	232	536.4	727	82.0	≥17,600	235	534.5	758	83.8
	Missing	≥110	347	531.5	687	84.6	≥110	373	536.1	700	83.1
Ethnicity	**American Indian or Alaska Native**	≥170	335	523.3	685	86.8	≥170	361	526.5	711	85.0
	Asian	≥3,210	232	559.1	727	79.0	≥3,180	235	571.3	758	81.5
	Black or African American	≥2,730	232	540.8	723	79.4	≥2,690	235	542.8	752	82.0
	Hispanic or Latino	≥24,060	232	534.2	727	82.4	≥23,980	235	533.1	758	84.5
	Native Hawaiian or Other Pacific Islander	≥530	232	543.2	694	72.7	≥530	235	549.5	716	75.4
	Two or More Races	≥340	312	545.2	723	80.6	≥340	344	544.1	752	83.8
	White	≥2,610	275	545.6	727	83.5	≥2,600	268	550.9	758	85.5
	Other/Unknown	≥100	343	530.9	691	95.0	≥100	375	537.0	713	93.4

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥33,570	267	543.4	722	84.0	≥33,630	242	536.3	757	90.8
Gender	**Female**	≥15,890	267	549.3	722	82.8	≥15,910	242	542.5	757	90.6
	Male	≥17,560	267	538.2	722	84.7	≥17,600	242	530.8	757	90.5
	Missing	≥110	319	535.0	690	90.6	≥110	354	532.1	701	88.8
Ethnicity	**American Indian or Alaska Native**	≥170	311	537.9	693	86.1	≥170	332	519.6	717	93.2
	Asian	≥3,180	267	565.4	722	80.3	≥3,180	242	569.4	757	83.9
	Black or African American	≥2,690	267	551.0	719	78.9	≥2,690	242	541.7	753	87.9
	Hispanic or Latino	≥23,940	267	538.3	722	84.6	≥23,980	242	529.6	757	91.0
	Native Hawaiian or Other Pacific Islander	≥530	267	552.6	696	68.0	≥530	242	554.1	720	79.2
	Two or More Races	≥340	315	550.6	719	85.6	≥340	323	540.3	753	88.7
	White	≥2,580	283	554.3	722	84.2	≥2,600	274	549.7	757	89.9
	Other/Unknown	≥100	316	536.0	696	95.6	≥100	352	530.9	721	101.0

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥33,790	3325	5417.3	6665	595.1	≥33,800	3029	5409.1	7048	669.7
Gender	**Female**	≥15,950	3325	5437.8	6665	597.0	≥15,960	3029	5449.2	7048	668.1
	Male	≥17,720	3325	5398.9	6665	592.6	≥17,720	3029	5373.3	7048	669.1
	Missing	≥110	4301	5395.1	6437	608.8	≥110	4009	5364.6	6676	674.7
Ethnicity	**American Indian or Alaska Native**	≥170	4201	5328.3	6623	619.7	≥170	3826	5307.7	6670	692.0
	Asian	≥3,210	3325	5603.9	6665	581.8	≥3,210	3029	5626.6	7048	638.4
	Black or African American	≥2,730	3325	5430.2	6665	576.5	≥2,730	3029	5442.0	7015	645.8
	Hispanic or Latino	≥24,070	3325	5383.5	6665	593.6	≥24,080	3029	5365.1	7048	670.4
	Native Hawaiian or Other Pacific Islander	≥530	3325	5450.5	6623	525.6	≥530	3029	5497.8	6733	569.4
	Two or More Races	≥340	3930	5467.9	6665	594.5	≥340	3801	5456.7	7015	667.3
	White	≥2,610	3676	5478.8	6665	603.5	≥2,610	3366	5497.6	7048	674.5
	Other/Unknown	≥100	4187	5394.6	6665	684.0	≥100	3879	5364.0	6720	754.1

* Scale scores cannot be compared across grade bands.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥28,460	229	504.4	757	80.4	≥28,290	242	511.3	773	76.4
Gender	**Female**	≥13,260	229	506.0	742	80.7	≥13,190	242	513.1	758	76.3
	Male	≥15,070	264	503.1	757	80.1	≥14,970	261	509.7	773	76.5
	Missing	≥120	265	493.6	667	80.2	≥120	337	503.7	671	70.3
Ethnicity	**American Indian or Alaska Native**	≥140	336	492.1	683	76.5	≥140	366	498.2	703	69.6
	Asian	≥2,440	315	525.8	724	77.5	≥2,420	332	536.0	740	75.6
	Black or African American	≥2,450	229	501.4	723	79.0	≥2,410	242	509.7	739	74.6
	Hispanic or Latino	≥20,370	265	501.8	757	80.8	≥20,290	261	507.9	773	76.5
	Native Hawaiian or Other Pacific Islander	≥450	338	512.4	718	63.0	≥440	380	518.7	722	59.9
	Two or More Races	≥260	320	511.4	721	76.9	≥260	333	513.0	737	74.8
	White	≥2,240	268	507.7	742	81.3	≥2,220	331	516.1	758	76.5
	Other/Unknown	≥90	320	484.5	675	92.5	≥90	343	500.3	686	82.1

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥28,300	249	521.0	775	85.4	≥28,330	238	505.5	767	83.5
Gender	**Female**	≥13,200	249	526.1	764	85.3	≥13,210	238	509.4	751	83.6
	Male	≥14,970	259	516.6	775	85.4	≥14,980	257	502.0	767	83.3
	Missing	≥120	301	505.0	674	82.5	≥120	292	499.9	672	78.7
Ethnicity	**American Indian or Alaska Native**	≥140	303	517.9	708	78.9	≥140	326	494.9	690	79.1
	Asian	≥2,420	289	538.4	764	80.0	≥2,430	316	531.7	731	78.6
	Black or African American	≥2,410	249	521.2	734	81.1	≥2,410	238	505.6	730	81.4
	Hispanic or Latino	≥20,290	259	517.8	775	86.9	≥20,300	257	501.5	767	84.2
	Native Hawaiian or Other Pacific Islander	≥440	305	531.8	715	67.3	≥440	334	520.0	724	65.1
	Two or More Races	≥260	297	526.2	698	76.7	≥260	312	509.9	727	81.4
	White	≥2,220	280	528.9	754	83.5	≥2,230	307	511.6	751	83.0
	Other/Unknown	≥90	293	507.1	659	98.6	≥90	324	486.6	666	88.2

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥28,480	3372	5197.7	6801	562.3	≥28,480	3005	5185.6	7248	637.0
Gender	**Female**	≥13,270	3372	5202.3	6801	559.3	≥13,270	3005	5212.0	7113	637.2
	Male	≥15,080	3558	5194.2	6801	565.1	≥15,090	3169	5163.0	7248	636.3
	Missing	≥120	3799	5130.7	6414	536.9	≥120	3445	5109.3	6288	599.3
Ethnicity	**American Indian or Alaska Native**	≥140	4050	5098.9	6565	519.1	≥140	3883	5109.6	6671	592.5
	Asian	≥2,440	3897	5363.8	6801	559.3	≥2,440	3667	5367.4	6970	608.8
	Black or African American	≥2,450	3372	5173.6	6801	552.4	≥2,450	3005	5170.4	6848	620.0
	Hispanic or Latino	≥20,380	3558	5178.0	6801	562.0	≥20,380	3169	5159.6	7248	641.7
	Native Hawaiian or Other Pacific Islander	≥450	4198	5236.1	6584	438.3	≥450	3891	5270.5	6864	491.3
	Two or More Races	≥270	4023	5229.3	6801	549.2	≥270	3758	5224.4	6809	602.7
	White	≥2,240	3558	5220.8	6801	570.5	≥2,240	3518	5228.3	7075	636.3
	Other/Unknown	≥90	3949	5102.3	6689	643.5	≥90	3757	5056.7	6335	712.0

* Scale scores cannot be compared across grade bands.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥24,530	229	513.8	742	85.0	≥24,390	242	523.0	758	80.3
Gender	**Female**	≥11,350	251	514.8	742	85.5	≥11,290	254	524.7	758	80.1
	Male	≥13,060	229	513.1	742	84.5	≥12,970	242	521.6	758	80.4
	Missing	≥120	324	506.3	698	90.6	≥120	329	515.0	705	87.7
Ethnicity	**American Indian or Alaska Native**	≥120	343	504.0	660	72.5	≥120	377	515.9	683	69.1
	Asian	≥2,210	229	535.3	742	79.4	≥2,200	242	545.6	758	77.3
	Black or African American	≥2,200	251	512.1	727	84.2	≥2,160	254	521.8	743	79.6
	Hispanic or Latino	≥17,270	282	510.7	742	85.8	≥17,200	316	519.8	758	80.6
	Native Hawaiian or Other Pacific Islander	≥470	325	524.9	721	63.6	≥470	368	529.3	739	64.1
	Two or More Races	≥230	332	519.1	693	82.9	≥230	352	525.1	704	79.7
	White	≥1,940	282	516.7	741	85.9	≥1,920	333	525.7	749	81.5
	Other/Unknown	≥50	327	499.8	701	103.1	≥50	386	517.6	707	99.2

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥24,400	249	526.8	764	88.3	≥24,420	238	517.3	751	87.3
Gender	**Female**	≥11,290	255	529.9	764	88.9	≥11,300	249	520.7	751	87.8
	Male	≥12,980	249	524.3	753	87.7	≥12,990	238	514.3	751	86.7
	Missing	≥120	297	512.3	681	91.4	≥120	327	514.5	702	93.3
Ethnicity	**American Indian or Alaska Native**	≥120	303	527.9	654	77.2	≥120	344	510.5	657	75.7
	Asian	≥2,210	249	540.9	739	79.4	≥2,200	238	540.4	751	79.5
	Black or African American	≥2,170	255	528.2	712	84.5	≥2,160	249	517.6	734	86.6
	Hispanic or Latino	≥17,190	282	523.5	763	90.5	≥17,210	290	513.5	751	88.3
	Native Hawaiian or Other Pacific Islander	≥470	307	546.9	757	63.9	≥470	344	532.5	738	66.2
	Two or More Races	≥230	294	531.7	669	80.4	≥230	326	521.3	701	85.2
	White	≥1,920	286	533.1	764	86.2	≥1,930	308	521.1	750	87.3
	Other/Unknown	≥50	320	519.7	738	113.4	≥50	344	508.2	691	106.6

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥24,550	3372	5274.9	6801	595.3	≥24,560	3005	5265.0	7124	667.3
Gender	**Female**	≥11,350	3496	5277.5	6801	592.7	≥11,360	3104	5284.9	7124	670.1
	Male	≥13,070	3372	5273.3	6801	597.3	≥13,080	3005	5248.3	7075	664.0
	Missing	≥120	3899	5207.8	6674	626.3	≥120	3727	5203.2	6634	713.9
Ethnicity	**American Indian or Alaska Native**	≥120	4126	5201.6	6346	508.9	≥120	3927	5219.3	6336	574.8
	Asian	≥2,210	3372	5442.8	6801	580.4	≥2,220	3005	5429.3	7075	614.6
	Black or African American	≥2,200	3496	5257.4	6801	587.4	≥2,200	3104	5258.1	6888	659.1
	Hispanic or Latino	≥17,280	3690	5253.1	6801	597.0	≥17,290	3463	5238.4	7113	675.8
	Native Hawaiian or Other Pacific Islander	≥470	4026	5317.2	6575	459.2	≥470	3878	5376.3	7022	495.8
	Two or More Races	≥230	4044	5302.5	6732	591.3	≥230	3793	5300.5	6582	639.9
	White	≥1,940	3688	5290.8	6801	606.4	≥1,940	3609	5295.9	7124	667.3
	Other/Unknown	≥50	4156	5192.5	6596	709.3	≥50	3871	5192.6	6801	844.0

* Scale scores cannot be compared across grade bands.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥21,970	244	502.2	729	75.1	≥21,850	274	507.9	748	65.5
Gender	**Female**	≥9,980	244	504.6	729	75.7	≥9,930	274	510.1	748	65.1
	Male	≥11,890	258	500.3	725	74.5	≥11,820	277	506.1	739	65.7
	Missing	≥90	348	488.7	644	77.3	≥90	351	503.9	652	69.7
Ethnicity	**American Indian or Alaska Native**	≥110	322	503.2	673	81.0	≥110	376	507.8	706	69.4
	Asian	≥1,940	312	525.5	729	74.5	≥1,930	340	530.1	738	68.8
	Black or African American	≥1,990	273	501.8	705	72.3	≥1,970	288	506.6	730	65.2
	Hispanic or Latino	≥15,590	258	498.2	729	75.5	≥15,520	277	504.4	748	64.5
	Native Hawaiian or Other Pacific Islander	≥430	349	515.1	677	58.5	≥430	352	517.4	686	54.7
	Two or More Races	≥200	342	512.9	676	76.3	≥200	345	513.4	700	69.9
	White	≥1,620	244	508.6	715	73.6	≥1,610	274	513.8	718	66.8
	Other/Unknown	≥40	372	498.9	625	77.6	≥40	398	504.5	629	68.4

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥21,850	278	522.7	729	81.8	≥21,860	259	499.1	753	79.3
Gender	**Female**	≥9,950	278	526.1	729	82.0	≥9,940	259	505.0	753	79.8
	Male	≥11,810	287	520.0	729	81.5	≥11,820	298	494.3	713	78.6
	Missing	≥90	322	499.4	636	89.1	≥90	337	485.4	632	81.2
Ethnicity	**American Indian or Alaska Native**	≥110	312	519.6	654	77.9	≥110	319	498.8	669	80.0
	Asian	≥1,940	311	541.0	710	76.1	≥1,940	329	523.7	747	77.7
	Black or African American	≥1,970	294	521.5	716	78.1	≥1,970	287	498.1	706	77.7
	Hispanic or Latino	≥15,520	287	519.1	729	83.4	≥15,530	298	494.7	753	79.5
	Native Hawaiian or Other Pacific Islander	≥430	319	540.6	688	64.1	≥430	349	522.6	683	63.9
	Two or More Races	≥200	319	528.9	721	83.7	≥200	334	504.8	712	83.8
	White	≥1,610	278	531.5	729	77.5	≥1,610	259	506.5	706	77.8
	Other/Unknown	≥40	327	508.9	655	89.2	≥40	353	489.1	665	84.5

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥22,000	3392	5173.4	6944	502.3	≥22,020	3198	5162.2	6967	587.0
Gender	**Female**	≥9,990	3518	5181.2	6944	497.6	≥10,000	3198	5191.1	6967	587.7
	Male	≥11,910	3392	5167.2	6944	505.9	≥11,920	3329	5138.9	6847	585.0
	Missing	≥90	4339	5122.7	6347	526.9	≥90	3898	5049.1	6156	614.8
Ethnicity	**American Indian or Alaska Native**	≥110	4119	5187.0	6700	561.0	≥110	3723	5159.6	6471	603.5
	Asian	≥1,950	3868	5339.5	6944	523.5	≥1,950	3725	5341.8	6827	576.2
	Black or African American	≥1,990	3584	5168.3	6944	494.0	≥2,000	3371	5151.7	6727	569.7
	Hispanic or Latino	≥15,610	3392	5146.3	6944	497.8	≥15,630	3329	5131.1	6967	589.5
	Native Hawaiian or Other Pacific Islander	≥430	4151	5229.9	6464	397.4	≥440	3828	5293.6	6449	458.7
	Two or More Races	≥200	4189	5235.3	6479	519.9	≥200	3821	5219.2	6705	615.3
	White	≥1,620	3518	5216.2	6809	505.4	≥1,620	3198	5217.7	6830	574.6
	Other/Unknown	≥40	4381	5163.8	6134	523.9	≥40	4005	5102.4	6113	629.2

* Scale scores cannot be compared across grade bands.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,930	255	510.4	753	81.6	≥20,820	275	518.6	764	71.3
Gender	**Female**	≥9,490	256	512.0	740	82.7	≥9,450	275	520.5	757	70.9
	Male	≥11,360	255	509.2	753	80.6	≥11,300	301	517.1	764	71.6
	Missing	≥60	340	500.8	690	93.7	≥60	351	514.1	692	83.9
Ethnicity	**American Indian or Alaska Native**	≥100	349	500.3	706	86.9	≥100	392	514.4	705	72.6
	Asian	≥1,670	255	537.7	735	79.0	≥1,660	301	544.9	748	73.2
	Black or African American	≥1,920	256	514.4	753	79.5	≥1,900	289	518.9	763	71.7
	Hispanic or Latino	≥14,910	276	505.4	743	82.0	≥14,850	275	514.4	764	70.4
	Native Hawaiian or Other Pacific Islander	≥430	357	526.5	673	59.8	≥430	371	530.6	683	60.0
	Two or More Races	≥210	291	517.5	723	81.4	≥210	373	525.6	725	75.7
	White	≥1,590	307	520.6	723	80.6	≥1,580	342	526.9	751	72.6
	Other/Unknown	≥50	312	487.3	652	88.3	≥50	369	500.7	648	70.4

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,790	285	528.1	751	85.1	≥20,840	273	510.6	763	85.4
Gender	**Female**	≥9,440	286	530.8	746	85.6	≥9,460	273	515.8	742	86.1
	Male	≥11,290	285	526.0	751	84.6	≥11,310	273	506.4	763	84.6
	Missing	≥60	313	509.0	654	94.0	≥60	330	503.3	677	92.3
Ethnicity	**American Indian or Alaska Native**	≥100	325	523.7	690	83.5	≥100	350	502.6	731	88.4
	Asian	≥1,660	285	550.6	740	77.5	≥1,660	273	539.9	747	82.1
	Black or African American	≥1,900	286	529.8	751	81.1	≥1,900	284	511.6	743	83.4
	Hispanic or Latino	≥14,820	286	523.8	746	86.7	≥14,860	273	505.4	763	85.7
	Native Hawaiian or Other Pacific Islander	≥420	324	546.0	716	64.8	≥430	335	537.1	704	67.0
	Two or More Races	≥210	305	529.7	710	79.9	≥210	307	517.6	732	85.2
	White	≥1,580	310	538.9	714	81.9	≥1,580	316	521.5	751	84.6
	Other/Unknown	≥50	315	504.6	672	102.5	≥50	333	484.1	676	90.4

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,950	3535	5238.6	6944	546.9	≥20,970	3270	5234.8	7128	630.6
Gender	**Female**	≥9,500	3535	5242.0	6944	544.1	≥9,510	3270	5257.6	7068	633.1
	Male	≥11,380	3652	5235.9	6944	548.6	≥11,390	3305	5216.2	7128	627.3
	Missing	≥60	4081	5200.0	6636	648.0	≥60	3721	5153.3	6498	716.5
Ethnicity	**American Indian or Alaska Native**	≥100	4205	5183.8	6636	572.2	≥100	3973	5174.3	6697	651.4
	Asian	≥1,680	3652	5430.8	6944	553.2	≥1,680	3305	5446.9	6977	604.7
	Black or African American	≥1,920	3535	5259.1	6944	545.9	≥1,930	3317	5247.4	7128	615.8
	Hispanic or Latino	≥14,930	3638	5205.5	6944	543.0	≥14,950	3270	5197.0	7068	633.5
	Native Hawaiian or Other Pacific Islander	≥430	4242	5316.5	6397	420.6	≥430	3915	5384.8	6615	475.7
	Two or More Races	≥210	4007	5296.0	6944	574.2	≥210	3614	5281.2	6868	628.7
	White	≥1,590	4101	5300.6	6944	551.0	≥1,590	3698	5314.6	6916	622.4
	Other/Unknown	≥50	4101	5096.7	6416	553.7	≥50	3797	5052.3	6261	697.7

* Scale scores cannot be compared across grade bands.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,510	233	526.0	778	88.1	≥20,400	250	534.8	780	78.2
Gender	**Female**	≥9,170	273	527.2	762	89.0	≥9,120	291	536.3	766	77.6
	Male	≥11,260	233	525.1	778	87.4	≥11,190	250	533.6	780	78.7
	Missing	≥70	289	511.3	681	90.4	≥70	399	529.2	689	75.7
Ethnicity	**American Indian or Alaska Native**	≥90	330	522.3	680	86.9	≥90	368	537.4	669	74.2
	Asian	≥1,570	346	555.2	762	82.5	≥1,550	366	561.9	757	77.4
	Black or African American	≥1,870	289	533.1	752	82.6	≥1,850	342	538.4	757	77.2
	Hispanic or Latino	≥14,700	233	520.5	757	89.2	≥14,630	250	530.3	766	78.1
	Native Hawaiian or Other Pacific Islander	≥470	352	543.6	691	67.2	≥460	378	545.3	706	64.2
	Two or More Races	≥170	361	541.3	707	83.5	≥170	378	549.9	705	74.5
	White	≥1,560	273	533.2	778	87.7	≥1,550	381	541.1	780	78.7
	Other/Unknown	≥50	341	522.9	710	101.2	≥50	399	537.8	708	85.3

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,370	270	538.5	766	88.2	≥20,410	247	526.9	784	90.7
Gender	**Female**	≥9,100	295	541.3	757	88.7	≥9,120	290	531.2	770	91.2
	Male	≥11,190	270	536.3	766	87.8	≥11,200	247	523.4	784	90.2
	Missing	≥70	336	527.6	724	84.3	≥70	316	517.7	695	87.5
Ethnicity	**American Indian or Alaska Native**	≥90	314	536.9	669	82.7	≥90	334	525.5	694	92.1
	Asian	≥1,550	323	564.8	756	76.8	≥1,550	340	556.5	770	83.8
	Black or African American	≥1,860	305	544.8	745	80.6	≥1,850	316	531.1	762	87.2
	Hispanic or Latino	≥14,600	270	533.3	757	90.3	≥14,640	247	521.5	770	91.7
	Native Hawaiian or Other Pacific Islander	≥460	321	557.0	700	68.8	≥460	344	552.1	707	72.3
	Two or More Races	≥170	330	555.0	712	80.1	≥170	354	541.6	700	81.4
	White	≥1,550	318	547.0	766	87.0	≥1,560	335	533.6	784	90.1
	Other/Unknown	≥50	322	521.8	703	100.5	≥50	337	521.6	714	100.0

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,530	3392	5355.7	6944	601.4	≥20,550	3093	5352.6	7308	675.1
Gender	**Female**	≥9,180	3584	5355.5	6944	595.2	≥9,190	3393	5372.5	7180	677.5
	Male	≥11,270	3392	5356.3	6944	606.3	≥11,280	3093	5336.8	7308	672.8
	Missing	≥70	4078	5288.0	6710	610.3	≥70	3742	5288.8	6658	667.7
Ethnicity	**American Indian or Alaska Native**	≥90	4106	5355.2	6816	580.6	≥90	3755	5343.0	6425	656.6
	Asian	≥1,570	4137	5559.0	6944	589.2	≥1,570	3928	5577.2	7180	624.2
	Black or African American	≥1,870	3846	5398.0	6944	581.7	≥1,880	3622	5394.2	7048	639.6
	Hispanic or Latino	≥14,710	3392	5319.6	6944	603.5	≥14,720	3093	5311.1	7179	683.6
	Native Hawaiian or Other Pacific Islander	≥470	4276	5430.6	6700	463.5	≥470	3892	5501.0	6644	521.8
	Two or More Races	≥170	4345	5476.8	6834	597.0	≥170	4063	5478.8	6673	624.9
	White	≥1,570	3584	5402.4	6944	602.7	≥1,570	3602	5409.6	7308	671.6
	Other/Unknown	≥50	4202	5377.4	6723	683.9	≥50	3914	5310.9	6771	755.5

* Scale scores cannot be compared across grade bands.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥23,200	261	507.9	742	78.7	≥23,120	273	506.9	747	72.7
Gender	**Female**	≥10,300	261	510.2	739	78.7	≥10,270	273	508.2	741	72.1
	Male	≥12,770	261	506.4	742	78.7	≥12,730	273	506.0	747	73.1
	Missing	≥110	331	482.5	690	84.7	≥110	370	488.9	682	77.3
Ethnicity	**American Indian or Alaska Native**	≥150	377	502.2	667	69.6	≥150	392	501.8	684	64.8
	Asian	≥1,570	326	538.6	740	80.4	≥1,550	345	532.8	731	74.7
	Black or African American	≥2,470	261	504.4	719	80.3	≥2,460	273	505.3	733	72.5
	Hispanic or Latino	≥16,570	261	503.8	733	77.6	≥16,520	273	503.3	741	71.9
	Native Hawaiian or Other Pacific Islander	≥450	307	528.1	729	62.7	≥450	341	522.7	738	59.4
	Two or More Races	≥230	282	515.0	713	78.1	≥230	288	510.8	716	72.9
	White	≥1,690	261	520.3	742	81.9	≥1,680	273	516.4	747	76.2
	Other/Unknown	≥50	331	476.8	652	85.9	≥50	370	481.0	659	76.6

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥22,890	313	522.3	721	77.9	≥23,110	275	504.8	750	83.9
Gender	**Female**	≥10,180	313	525.9	721	78.0	≥10,270	275	509.2	750	84.9
	Male	≥12,580	313	519.6	721	77.8	≥12,720	275	501.6	743	82.9
	Missing	≥110	351	503.3	683	75.4	≥110	350	472.7	705	87.0
Ethnicity	**American Indian or Alaska Native**	≥140	361	529.1	678	72.8	≥150	360	496.5	649	71.6
	Asian	≥1,560	347	547.3	721	75.0	≥1,560	330	534.6	744	82.5
	Black or African American	≥2,440	313	522.9	711	74.2	≥2,450	275	499.6	722	82.6
	Hispanic or Latino	≥16,310	313	517.8	717	78.5	≥16,510	275	501.0	740	83.8
	Native Hawaiian or Other Pacific Islander	≥450	338	543.5	719	61.9	≥450	336	534.7	727	65.5
	Two or More Races	≥230	321	533.9	710	74.4	≥230	290	511.4	724	85.4
	White	≥1,680	313	535.2	721	78.1	≥1,680	275	515.5	750	85.4
	Other/Unknown	≥50	351	493.2	654	86.3	≥50	350	468.3	645	84.7

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥23,230	3553	5190.4	7060	542.1	≥23,260	3344	5179.7	6952	608.8
Gender	**Female**	≥10,320	3553	5195.7	7060	534.4	≥10,330	3344	5202.9	6945	610.0
	Male	≥12,790	3553	5187.4	7060	547.6	≥12,800	3344	5162.9	6952	606.8
	Missing	≥110	4181	5048.8	6650	588.5	≥110	3950	4983.3	6482	635.8
Ethnicity	**American Indian or Alaska Native**	≥150	4372	5152.0	6592	486.2	≥150	4105	5156.7	6349	538.3
	Asian	≥1,570	3898	5393.3	6948	563.2	≥1,570	3873	5405.7	6952	606.7
	Black or African American	≥2,470	3553	5174.2	7060	552.0	≥2,480	3344	5161.0	6803	604.0
	Hispanic or Latino	≥16,590	3553	5163.0	7060	533.3	≥16,610	3344	5146.9	6892	605.3
	Native Hawaiian or Other Pacific Islander	≥450	3837	5299.4	6716	438.5	≥450	3741	5360.5	6926	474.0
	Two or More Races	≥230	3681	5221.8	6662	527.8	≥230	3444	5243.9	6788	605.3
	White	≥1,690	3553	5269.0	7060	570.9	≥1,690	3344	5270.8	6945	625.9
	Other/Unknown	≥50	4267	4994.7	6354	584.4	≥50	3950	4923.5	6279	661.5

* Scale scores cannot be compared across grade bands.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,930	261	520.8	777	79.7	≥20,850	273	518.8	775	75.3
Gender	**Female**	≥9,350	302	524.4	777	79.7	≥9,320	312	521.2	775	74.5
	Male	≥11,520	261	518.1	756	79.6	≥11,460	273	516.9	765	75.9
	Missing	≥60	344	505.7	650	82.3	≥60	328	508.1	654	77.2
Ethnicity	**American Indian or Alaska Native**	≥130	362	514.8	679	84.7	≥130	367	518.5	690	80.8
	Asian	≥1,500	315	554.7	756	77.7	≥1,490	348	547.9	765	76.6
	Black or African American	≥2,240	302	523.6	723	77.9	≥2,230	338	521.2	732	72.6
	Hispanic or Latino	≥14,810	281	514.5	777	79.2	≥14,770	288	513.5	775	74.7
	Native Hawaiian or Other Pacific Islander	≥460	350	540.2	715	61.7	≥450	388	532.6	723	60.7
	Two or More Races	≥170	379	555.7	702	77.7	≥170	392	548.2	723	78.3
	White	≥1,560	261	535.4	751	81.2	≥1,550	273	530.2	756	78.1
	Other/Unknown	≥30	344	520.2	666	93.2	≥30	328	515.7	645	88.1

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,620	313	535.1	742	75.1	≥20,830	275	518.7	780	83.1
Gender	**Female**	≥9,230	334	539.3	742	75.4	≥9,320	312	523.9	780	83.5
	Male	≥11,330	313	531.8	730	74.7	≥11,450	275	514.6	761	82.5
	Missing	≥50	343	532.0	682	77.5	≥60	328	500.5	638	83.9
Ethnicity	**American Indian or Alaska Native**	≥130	357	540.4	696	77.5	≥130	350	508.2	670	80.9
	Asian	≥1,490	339	562.4	730	67.2	≥1,490	330	550.6	745	77.7
	Black or African American	≥2,220	341	541.1	713	70.5	≥2,230	337	519.5	729	80.0
	Hispanic or Latino	≥14,560	321	529.1	742	75.9	≥14,750	289	513.0	780	83.5
	Native Hawaiian or Other Pacific Islander	≥450	358	551.3	694	59.3	≥450	368	544.7	708	63.1
	Two or More Races	≥160	365	561.0	703	70.9	≥170	377	549.7	691	78.9
	White	≥1,550	313	550.1	713	75.2	≥1,550	275	531.7	760	83.8
	Other/Unknown	≥30	343	515.8	680	86.3	≥30	328	506.1	681	98.3

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥20,970	3553	5278.2	7060	563.9	≥20,990	3344	5283.6	7242	606.4
Gender	**Female**	≥9,360	3733	5292.7	7060	556.1	≥9,370	3605	5314.6	7242	607.4
	Male	≥11,540	3553	5267.0	7060	569.8	≥11,550	3344	5258.9	7078	604.3
	Missing	≥60	4078	5196.6	6385	572.5	≥60	3723	5192.2	6307	613.8
Ethnicity	**American Indian or Alaska Native**	≥130	4200	5269.6	6468	619.3	≥130	4044	5261.9	6578	627.0
	Asian	≥1,500	3970	5509.8	7060	575.5	≥1,500	3752	5530.5	7078	577.6
	Black or African American	≥2,250	3733	5296.6	6968	549.4	≥2,250	3799	5307.6	6832	583.1
	Hispanic or Latino	≥14,840	3687	5236.1	7060	556.9	≥14,850	3442	5236.0	7242	606.0
	Native Hawaiian or Other Pacific Islander	≥460	4245	5380.1	6772	450.9	≥460	4106	5436.4	6723	466.2
	Two or More Races	≥170	4389	5520.4	6899	586.4	≥170	4198	5531.0	6680	589.7
	White	≥1,560	3553	5372.0	7060	583.1	≥1,560	3344	5393.7	6848	616.1
	Other/Unknown	≥30	4078	5299.9	6332	645.8	≥30	3723	5218.5	6341	730.3

* Scale scores cannot be compared across grade bands.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥17,290	261	536.7	776	80.1	≥17,240	273	533.4	775	77.1
Gender	**Female**	≥7,830	261	541.3	776	79.9	≥7,810	273	536.2	775	76.7
	Male	≥9,370	261	532.9	763	80.1	≥9,340	273	531.1	766	77.4
	Missing	≥80	377	532.7	697	79.8	≥80	398	531.7	703	74.6
Ethnicity	**American Indian or Alaska Native**	≥100	368	534.2	704	78.1	≥100	399	533.3	711	76.5
	Asian	≥1,340	293	571.3	776	76.6	≥1,340	324	562.7	773	76.1
	Black or African American	≥1,830	302	535.8	763	77.9	≥1,810	371	531.3	775	72.6
	Hispanic or Latino	≥12,040	261	530.7	770	79.5	≥12,020	273	528.4	772	76.5
	Native Hawaiian or Other Pacific Islander	≥340	386	543.7	704	62.7	≥340	384	536.9	720	62.4
	Two or More Races	≥160	363	547.8	705	78.2	≥160	409	545.4	722	74.9
	White	≥1,410	261	553.3	758	84.5	≥1,410	273	548.4	762	83.8
	Other/Unknown	≥20	395	560.1	727	84.7	≥20	417	555.1	736	83.3

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥17,030	313	549.3	742	73.6	≥17,220	275	535.4	779	81.9
Gender	**Female**	≥7,740	313	554.1	742	73.4	≥7,800	275	541.9	779	82.2
	Male	≥9,200	313	545.3	728	73.5	≥9,330	275	530.0	769	81.3
	Missing	≥80	369	543.4	688	71.8	≥80	366	527.2	661	75.4
Ethnicity	**American Indian or Alaska Native**	≥100	361	547.9	706	70.8	≥100	377	528.6	696	77.4
	Asian	≥1,340	331	574.1	742	67.9	≥1,340	315	568.1	779	77.1
	Black or African American	≥1,790	346	553.3	736	68.9	≥1,810	333	532.8	763	77.9
	Hispanic or Latino	≥11,850	313	543.5	738	74.1	≥12,000	275	529.9	765	82.0
	Native Hawaiian or Other Pacific Islander	≥340	370	553.7	699	60.2	≥350	373	547.7	695	65.7
	Two or More Races	≥160	358	555.5	698	76.6	≥160	363	543.8	686	78.3
	White	≥1,390	313	567.1	731	74.6	≥1,410	275	550.1	762	85.6
	Other/Unknown	≥20	375	559.7	678	78.2	≥20	378	551.9	707	86.7

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥17,320	3553	5387.5	7060	578.5	≥17,340	3344	5407.2	7235	602.6
Gender	**Female**	≥7,850	3553	5405.2	7060	569.5	≥7,860	3344	5445.7	7235	603.1
	Male	≥9,380	3553	5372.8	7060	585.5	≥9,400	3344	5375.3	7043	600.6
	Missing	≥80	4320	5388.2	6822	596.4	≥80	4155	5377.2	6570	576.1
Ethnicity	**American Indian or Alaska Native**	≥100	4349	5391.8	6948	588.7	≥100	4160	5380.9	6728	582.1
	Asian	≥1,340	3801	5618.4	6968	564.3	≥1,350	3626	5653.3	7235	572.1
	Black or African American	≥1,830	3733	5376.3	7060	556.7	≥1,830	3835	5404.6	7161	573.0
	Hispanic or Latino	≥12,060	3553	5347.3	7060	572.6	≥12,070	3344	5362.0	7180	600.7
	Native Hawaiian or Other Pacific Islander	≥350	4369	5409.5	6837	458.7	≥350	4191	5462.9	6617	475.3
	Two or More Races	≥160	4395	5480.7	7060	572.6	≥160	4073	5487.5	6609	592.5
	White	≥1,420	3553	5504.1	7060	625.6	≥1,420	3344	5535.7	7097	637.2
	Other/Unknown	≥20	4481	5567.4	6968	629.6	≥20	4385	5554.7	6789	635.6

* Scale scores cannot be compared across grade bands.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,440	261	540.1	767	76.3	≥13,390	273	536.3	770	74.8
Gender	**Female**	≥6,160	336	544.4	753	76.2	≥6,140	324	539.1	762	73.9
	Male	≥7,240	261	536.6	767	76.3	≥7,210	273	534.1	770	75.4
	Missing	≥40	374	511.5	667	74.4	≥40	401	512.3	670	71.5
Ethnicity	**American Indian or Alaska Native**	≥90	371	535.4	668	76.1	≥90	397	530.9	679	72.0
	Asian	≥1,100	302	573.4	738	72.4	≥1,090	359	565.0	753	73.6
	Black or African American	≥1,450	261	539.9	728	74.0	≥1,450	273	534.4	726	70.2
	Hispanic or Latino	≥9,300	273	534.3	756	75.6	≥9,260	286	531.4	762	74.3
	Native Hawaiian or Other Pacific Islander	≥270	302	553.9	695	59.4	≥270	400	545.7	706	60.6
	Two or More Races	≥100	340	545.9	689	78.9	≥100	371	543.4	704	80.9
	White	≥1,090	331	552.1	767	82.6	≥1,090	364	548.1	770	81.1
	Other/Unknown	≥10	499	566.4	656	52.4	≥10	471	567.3	635	54.3

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,240	313	552.9	732	70.4	≥13,380	275	539.8	772	77.0
Gender	**Female**	≥6,080	340	557.1	728	69.5	≥6,130	323	545.9	757	76.8
	Male	≥7,110	313	549.4	732	70.9	≥7,200	275	534.8	772	76.7
	Missing	≥40	362	525.7	654	80.4	≥40	363	506.0	663	80.6
Ethnicity	**American Indian or Alaska Native**	≥90	358	555.8	687	62.0	≥80	364	529.0	670	75.7
	Asian	≥1,090	342	576.5	723	62.5	≥1,100	344	570.0	741	70.8
	Black or African American	≥1,440	313	556.5	715	64.0	≥1,440	275	537.6	719	72.5
	Hispanic or Latino	≥9,140	319	547.7	732	71.7	≥9,250	287	535.0	767	77.2
	Native Hawaiian or Other Pacific Islander	≥270	374	560.4	689	59.6	≥270	391	556.7	681	59.9
	Two or More Races	≥100	347	552.3	668	65.4	≥100	336	537.3	689	82.2
	White	≥1,070	345	565.7	718	72.1	≥1,090	357	549.9	772	82.6
	Other/Unknown	≥10	520	588.9	673	38.7	≥10	492	572.6	633	49.0

* Scale scores cannot be compared across grade bands.
* Domain tests with Exemption or Not Attempted are excluded.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,480	3553	5408.4	7060	561.2	≥13,490	3344	5436.7	7115	570.7
Gender	**Female**	≥6,180	4031	5426.0	7060	552.4	≥6,190	3690	5472.6	7048	566.7
	Male	≥7,260	3553	5394.5	7060	568.3	≥7,260	3344	5407.5	7115	572.0
	Missing	≥40	4491	5228.0	6500	518.9	≥40	4122	5208.3	6350	595.2
Ethnicity	**American Indian or Alaska Native**	≥90	4359	5383.6	6569	555.3	≥90	4061	5397.9	6392	551.8
	Asian	≥1,100	3733	5638.5	7060	554.9	≥1,100	3814	5670.7	6979	533.0
	Black or African American	≥1,460	3553	5400.3	6892	539.2	≥1,460	3344	5437.0	6860	534.7
	Hispanic or Latino	≥9,320	3553	5369.2	7060	553.8	≥9,330	3475	5395.1	7115	570.3
	Native Hawaiian or Other Pacific Islander	≥270	3733	5477.2	6892	449.6	≥270	3835	5531.2	6532	454.4
	Two or More Races	≥100	4193	5483.2	6797	599.7	≥100	3862	5457.8	6599	593.1
	White	≥1,100	3733	5494.6	7060	613.6	≥1,100	3888	5527.2	7059	613.4
	Other/Unknown	≥10	5059	5597.1	6266	405.4	≥10	5196	5693.4	6213	348.9

* Scale scores cannot be compared across grade bands.

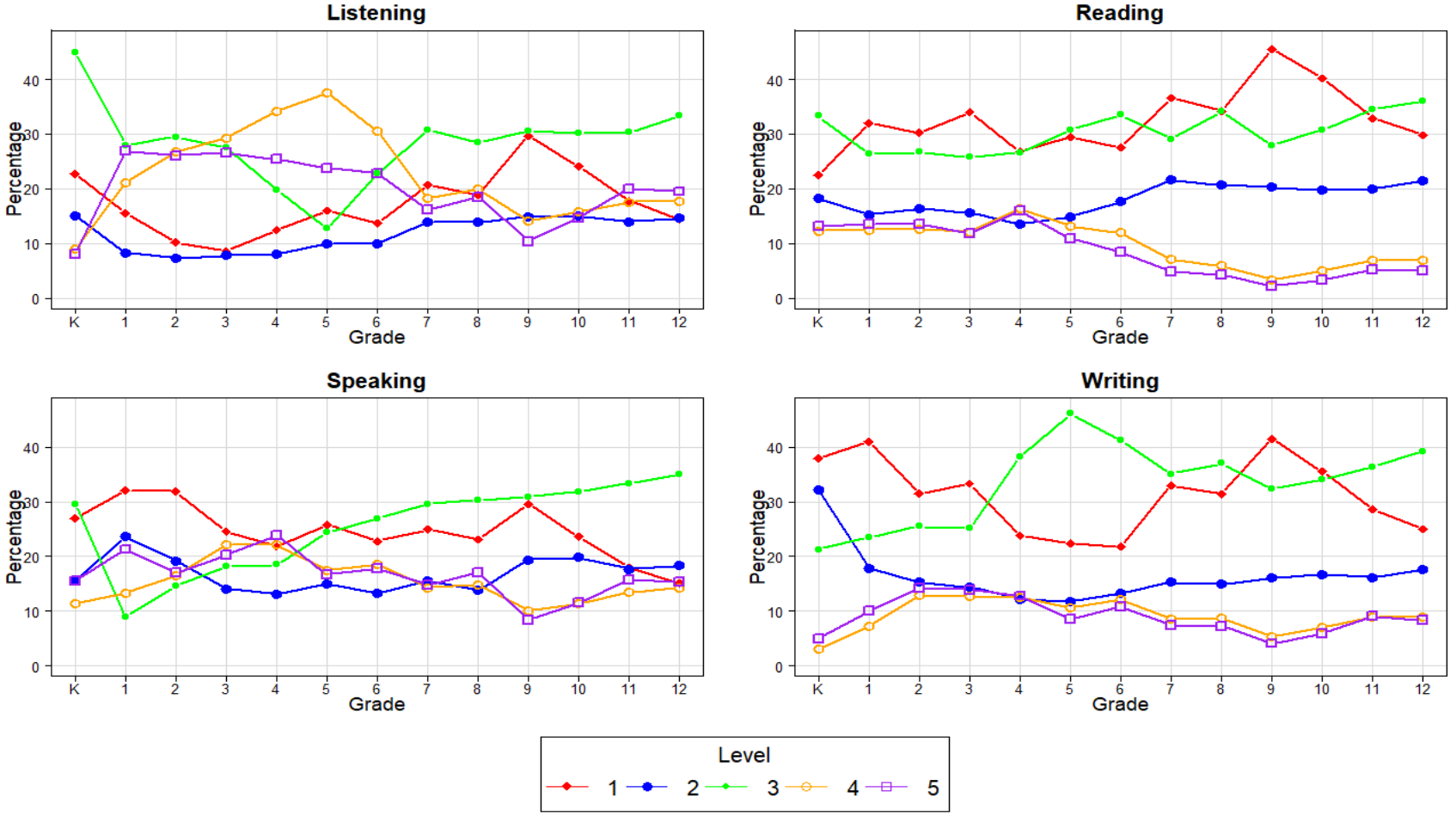
Table S4.14: Summative Summary of Domain Exemptions and Not Attempted

Grade	Total	Listening		Reading		Speaking		Writing	
		Exempted	Not Attempted	Exempted	Not Attempted	Exempted	Not Attempted	Exempted	Not Attempted
K	≥42,040	≥10 (0.0%)	≥40 (0.1%)	≥100 (0.3%)	≥70 (0.2%)	≥250 (0.6%)	≥170 (0.4%)	≥130 (0.3%)	≥90 (0.2%)
1	≥41,270	≥10 (0.0%)	≥20 (0.1%)	≥110 (0.3%)	≥60 (0.2%)	≥210 (0.5%)	≥170 (0.4%)	≥120 (0.3%)	≥90 (0.2%)
2	≥37,830	≥10 (0.0%)	≥20 (0.1%)	≥130 (0.3%)	≥50 (0.1%)	≥160 (0.4%)	≥140 (0.4%)	≥120 (0.3%)	≥80 (0.2%)
3	≥33,800	≥10 (0.0%)	≥10 (0.0%)	≥130 (0.4%)	≥50 (0.2%)	≥130 (0.4%)	≥100 (0.3%)	≥110 (0.3%)	≥60 (0.2%)
4	≥28,480	≥10 (0.0%)	≥10 (0.1%)	≥150 (0.5%)	≥40 (0.1%)	≥90 (0.3%)	≥90 (0.3%)	≥100 (0.4%)	≥50 (0.2%)
5	≥24,560	<10 (0.0%)	≥10 (0.1%)	≥130 (0.5%)	≥30 (0.2%)	≥70 (0.3%)	≥90 (0.4%)	≥100 (0.4%)	≥40 (0.2%)
6	≥22,020	≥10 (0.1%)	≥30 (0.2%)	≥120 (0.6%)	≥40 (0.2%)	≥50 (0.2%)	≥110 (0.5%)	≥90 (0.4%)	≥60 (0.3%)
7	≥20,970	≥10 (0.1%)	≥20 (0.1%)	≥90 (0.4%)	≥50 (0.3%)	≥50 (0.2%)	≥120 (0.6%)	≥70 (0.4%)	≥50 (0.2%)
8	≥20,550	≥10 (0.0%)	≥30 (0.2%)	≥100 (0.5%)	≥50 (0.3%)	≥40 (0.2%)	≥140 (0.7%)	≥70 (0.4%)	≥60 (0.3%)
9	≥23,260	≥10 (0.1%)	≥40 (0.2%)	≥50 (0.2%)	≥70 (0.3%)	≥30 (0.2%)	≥330 (1.5%)	≥40 (0.2%)	≥100 (0.4%)
10	≥20,990	≥10 (0.1%)	≥40 (0.2%)	≥50 (0.3%)	≥80 (0.4%)	≥30 (0.2%)	≥320 (1.6%)	≥40 (0.2%)	≥100 (0.5%)
11	≥17,340	<10 (0.1%)	≥40 (0.3%)	≥30 (0.2%)	≥60 (0.4%)	≥20 (0.2%)	≥280 (1.7%)	≥20 (0.1%)	≥90 (0.5%)
12	≥13,490	≥10 (0.1%)	≥30 (0.3%)	≥40 (0.3%)	≥50 (0.4%)	≥30 (0.2%)	≥220 (1.7%)	≥30 (0.2%)	≥80 (0.6%)

Section 5: Summative Assessment - Percentage of Students by Domain Performance Level

* Domain tests with Exemption or Not Attempted are excluded from counts, which only include tests assigned to domain performance levels 1-5.
* The percentages are suppressed when the N count is fewer than 10.

Figure S5.1: Summative Percentage of Students in Performance Levels



* Domain tests with Exemption or Not Attempted are excluded.

Table S5.1: Summative Performance Level by Domain - Kindergarten

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥41,990	22.8	15.0	44.9	9.1	8.2	≥41,860	22.6	18.3	33.5	12.4	13.2
Gender	**Female**	≥20,520	20.5	14.3	46.0	10.0	9.3	≥20,480	19.9	17.4	34.6	13.4	14.7
	Male	≥21,190	25.1	15.7	43.9	8.2	7.1	≥21,100	25.2	19.2	32.4	11.5	11.8
	Missing	≥270	25.8	15.6	45.1	6.2	7.3	≥270	30.9	13.8	34.9	9.5	10.9
Ethnicity	**American Indian or Alaska Native**	≥220	23.1	10.9	42.1	12.2	11.8	≥220	23.6	13.6	30.5	15.0	17.3
	Asian	≥4,900	9.2	9.7	47.2	15.0	18.9	≥4,880	8.9	12.5	34.1	17.4	27.1
	Black or African American	≥3,990	18.4	14.7	48.3	10.2	8.4	≥3,940	15.7	18.6	38.5	13.2	14.0
	Hispanic or Latino	≥27,720	27.2	16.6	43.5	7.4	5.3	≥27,680	27.4	19.7	32.2	11.1	9.6
	Native Hawaiian or Other Pacific Islander	≥640	18.1	15.9	55.2	6.2	≤5.0	≥640	17.6	21.4	42.0	11.5	7.6
	Two or More Races	≥470	14.7	12.2	45.5	13.0	14.7	≥470	13.5	14.6	34.0	15.9	22.0
	White	≥3,840	15.3	11.4	47.3	12.1	13.9	≥3,830	14.6	14.9	35.7	14.3	20.4
	Other/Unknown	≥180	27.9	9.8	41.0	10.9	10.4	≥180	24.9	11.0	32.6	13.3	18.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.1: Summative Performance Level by Domain - Kindergarten (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥41,610	27.2	15.6	29.9	11.6	15.8	≥41,810	38.1	32.4	21.4	≤5.0	≤5.0
Gender	**Female**	≥20,390	23.8	14.8	30.7	12.6	18.2	≥20,460	35.7	34.1	22.0	≤5.0	5.3
	Male	≥20,940	30.4	16.4	29.2	10.6	13.4	≥21,080	40.3	30.8	20.9	≤5.0	≤5.0
	Missing	≥270	32.4	14.7	26.5	9.6	16.9	≥270	42.9	28.6	23.8	≤5.0	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥210	26.0	9.6	29.7	14.2	20.5	≥220	35.0	31.4	23.2	≤5.0	5.5
	Asian	≥4,850	12.3	10.9	30.4	16.2	30.1	≥4,880	20.2	24.9	34.6	7.1	13.3
	Black or African American	≥3,900	17.0	13.0	35.1	14.6	20.3	≥3,920	36.6	29.7	24.9	≤5.0	5.2
	Hispanic or Latino	≥27,540	32.7	17.3	29.1	9.9	11.0	≥27,660	43.0	34.4	17.8	≤5.0	≤5.0
	Native Hawaiian or Other Pacific Islander	≥630	21.1	20.5	38.5	10.0	9.9	≥640	40.4	32.2	21.4	≤5.0	≤5.0
	Two or More Races	≥470	18.1	10.4	31.9	12.3	27.2	≥470	28.5	29.2	27.9	5.7	8.7
	White	≥3,800	18.7	12.2	28.6	14.2	26.3	≥3,820	28.1	31.2	26.5	≤5.0	9.3
	Other/Unknown	≥180	25.0	17.2	27.8	13.3	16.7	≥180	35.9	25.4	29.3	≤5.0	7.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.2: Summative Performance Level by Domain - Grade 1

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥41,230	15.6	8.3	28.0	21.1	27.0	≥41,080	32.1	15.3	26.5	12.5	13.6
Gender	**Female**	≥19,950	13.9	7.7	27.6	21.7	29.1	≥19,900	29.7	15.4	27.2	13.2	14.5
	Male	≥21,060	17.2	8.9	28.3	20.6	25.0	≥20,950	34.4	15.2	25.8	11.9	12.7
	Missing	≥220	14.0	11.8	29.4	20.6	24.1	≥220	30.8	21.1	27.8	12.3	7.9
Ethnicity	**American Indian or Alaska Native**	≥220	17.3	12.4	22.6	19.0	28.8	≥220	38.5	11.5	24.3	12.8	12.8
	Asian	≥4,980	7.3	≤5.0	20.7	20.8	47.1	≥4,950	13.9	10.1	26.5	19.9	29.6
	Black or African American	≥3,790	12.1	6.4	29.5	23.0	29.1	≥3,730	28.4	14.2	28.2	14.4	14.9
	Hispanic or Latino	≥27,240	18.4	9.7	29.6	20.7	21.6	≥27,200	37.5	16.8	25.7	10.3	9.8
	Native Hawaiian or Other Pacific Islander	≥660	8.8	7.9	34.5	23.0	25.8	≥650	25.0	14.9	34.9	12.8	12.5
	Two or More Races	≥430	11.6	6.2	23.7	21.0	37.6	≥430	23.3	12.8	25.9	18.5	19.5
	White	≥3,720	11.2	6.4	24.2	22.8	35.3	≥3,700	22.9	13.7	29.4	16.2	17.8
	Other/Unknown	≥170	15.8	10.5	21.6	14.0	38.0	≥170	31.6	8.8	24.6	14.0	21.1

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.2: Summative Performance Level by Domain - Grade 1 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥40,880	32.3	23.8	9.0	13.4	21.5	≥41,050	41.2	17.9	23.6	7.3	10.0
Gender	**Female**	≥19,820	28.7	23.8	9.5	14.3	23.7	≥19,890	38.5	18.5	24.5	7.6	10.9
	Male	≥20,830	35.7	23.8	8.4	12.5	19.6	≥20,940	43.7	17.4	22.7	7.0	9.2
	Missing	≥220	37.3	26.2	9.3	15.6	11.6	≥220	41.7	20.2	27.8	≤5.0	6.7
Ethnicity	**American Indian or Alaska Native**	≥220	33.2	22.1	8.8	11.1	24.8	≥220	46.9	17.7	15.9	9.3	10.2
	Asian	≥4,920	15.9	18.4	9.7	16.8	39.2	≥4,950	18.4	14.3	30.9	13.8	22.6
	Black or African American	≥3,700	25.1	25.8	10.1	15.7	23.4	≥3,730	37.0	18.2	26.6	7.9	10.4
	Hispanic or Latino	≥27,090	37.8	24.6	8.7	12.0	16.9	≥27,180	47.8	18.6	20.9	5.7	7.0
	Native Hawaiian or Other Pacific Islander	≥650	23.7	29.1	8.9	15.7	22.6	≥650	33.6	20.4	29.7	7.5	8.8
	Two or More Races	≥430	21.8	24.1	8.0	14.3	31.7	≥430	29.4	14.2	30.3	9.9	16.3
	White	≥3,670	23.3	23.0	9.2	16.3	28.1	≥3,690	29.7	17.2	29.4	9.4	14.3
	Other/Unknown	≥170	31.8	20.0	7.1	12.9	28.2	≥170	35.1	15.8	22.2	11.1	15.8

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.3: Summative Performance Level by Domain - Grade 2

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥37,790	10.3	7.3	29.5	26.8	26.2	≥37,640	30.3	16.5	26.9	12.6	13.7
Gender	**Female**	≥17,870	9.3	6.9	30.0	26.7	27.1	≥17,810	28.4	16.4	26.8	12.9	15.5
	Male	≥19,730	11.1	7.6	29.1	26.9	25.3	≥19,630	32.1	16.6	26.9	12.4	12.0
	Missing	≥190	11.4	≤5.0	29.0	26.4	29.0	≥190	28.5	15.5	30.6	15.0	10.4
Ethnicity	**American Indian or Alaska Native**	≥180	13.4	9.7	28.0	25.3	23.7	≥180	32.8	20.4	28.0	7.0	11.8
	Asian	≥3,910	5.7	≤5.0	23.1	27.5	39.4	≥3,880	14.2	11.3	30.4	18.0	26.2
	Black or African American	≥3,250	9.7	5.9	29.0	27.7	27.8	≥3,200	25.7	16.5	29.9	13.6	14.3
	Hispanic or Latino	≥26,170	11.4	8.1	31.0	26.3	23.2	≥26,110	34.5	17.5	25.4	11.3	11.2
	Native Hawaiian or Other Pacific Islander	≥610	6.4	5.4	36.6	32.0	19.6	≥610	21.4	18.1	37.1	12.3	11.1
	Two or More Races	≥400	7.0	6.7	22.4	31.1	32.8	≥390	22.4	14.1	30.2	16.8	16.6
	White	≥3,130	7.5	6.2	25.6	27.4	33.2	≥3,120	22.5	14.3	29.6	15.9	17.7
	Other/Unknown	≥120	12.9	5.6	22.6	25.8	33.1	≥120	28.2	10.5	24.2	16.1	21.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.3: Summative Performance Level by Domain - Grade 2 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥37,520	32.1	19.4	14.7	16.6	17.1	≥37,620	31.7	15.4	25.6	12.9	14.4
Gender	**Female**	≥17,780	29.0	19.3	15.6	17.3	18.9	≥17,810	29.0	15.6	26.2	13.1	16.1
	Male	≥19,540	34.9	19.5	14.0	16.0	15.5	≥19,610	34.2	15.2	25.0	12.8	12.8
	Missing	≥190	31.1	17.6	16.1	19.7	15.5	≥190	26.4	15.0	31.1	15.0	12.4
Ethnicity	**American Indian or Alaska Native**	≥180	31.2	21.5	18.3	10.8	18.3	≥180	35.5	16.7	25.8	9.7	12.4
	Asian	≥3,860	19.6	16.6	14.2	20.0	29.7	≥3,880	14.2	11.6	28.4	18.4	27.4
	Black or African American	≥3,190	27.6	18.4	16.8	19.0	18.2	≥3,200	27.6	15.3	27.8	14.2	15.1
	Hispanic or Latino	≥26,030	35.8	20.0	14.4	15.5	14.3	≥26,100	36.2	16.3	24.5	11.2	11.8
	Native Hawaiian or Other Pacific Islander	≥600	29.9	22.9	17.6	16.4	13.2	≥610	22.6	16.7	30.3	17.5	12.9
	Two or More Races	≥390	23.1	18.1	14.8	19.6	24.4	≥390	22.6	14.3	26.3	19.3	17.5
	White	≥3,110	23.5	17.8	15.2	19.4	24.1	≥3,120	23.0	13.2	27.6	17.3	18.9
	Other/Unknown	≥120	30.4	14.4	16.0	20.8	18.4	≥120	29.0	≤5.0	29.0	12.9	24.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.4: Summative Performance Level by Domain - Grade 3

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥33,780	8.6	7.8	27.6	29.3	26.6	≥33,610	34.2	15.7	26.0	12.2	11.9
Gender	**Female**	≥15,950	7.9	7.9	28.1	28.5	27.6	≥15,900	32.4	15.2	26.0	12.5	13.8
	Male	≥17,710	9.2	7.8	27.2	30.0	25.8	≥17,600	35.7	16.1	25.9	11.9	10.2
	Missing	≥110	13.2	7.9	26.3	24.6	28.1	≥110	35.1	18.4	22.8	9.6	14.0
Ethnicity	**American Indian or Alaska Native**	≥170	12.4	10.2	27.1	26.0	24.3	≥170	38.5	18.4	23.6	9.8	9.8
	Asian	≥3,210	≤5.0	5.5	23.4	29.9	36.2	≥3,180	20.2	13.5	28.5	17.3	20.4
	Black or African American	≥2,730	7.4	6.8	27.5	31.9	26.3	≥2,690	29.6	16.9	29.7	13.5	10.2
	Hispanic or Latino	≥24,060	9.3	8.4	28.5	28.8	25.0	≥23,980	37.4	15.8	24.9	11.3	10.7
	Native Hawaiian or Other Pacific Islander	≥530	≤5.0	6.2	32.3	33.3	24.1	≥530	24.3	19.8	32.8	12.1	11.1
	Two or More Races	≥340	7.2	6.0	26.1	31.2	29.5	≥340	30.9	15.6	28.3	13.6	11.6
	White	≥2,610	8.2	7.2	24.1	30.1	30.4	≥2,600	28.6	15.5	28.0	12.8	15.0
	Other/Unknown	≥100	13.3	7.6	29.5	22.9	26.7	≥100	38.1	14.3	21.9	7.6	18.1

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.4: Summative Performance Level by Domain - Grade 3 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥33,570	24.8	14.2	18.2	22.3	20.5	≥33,630	33.5	14.5	25.2	12.8	14.0
Gender	**Female**	≥15,890	22.3	13.8	18.2	23.2	22.6	≥15,910	31.6	14.1	25.3	12.9	16.2
	Male	≥17,560	27.0	14.7	18.2	21.5	18.6	≥17,600	35.2	15.0	25.1	12.7	12.0
	Missing	≥110	28.9	12.3	21.1	20.2	17.5	≥110	34.5	11.5	28.3	13.3	12.4
Ethnicity	**American Indian or Alaska Native**	≥170	28.6	13.7	15.4	22.3	20.0	≥170	36.6	21.1	18.9	13.7	9.7
	Asian	≥3,180	17.7	10.7	16.6	24.5	30.5	≥3,180	20.5	11.5	27.1	17.8	23.0
	Black or African American	≥2,690	20.7	15.0	17.7	24.5	22.1	≥2,690	28.6	14.9	28.9	15.4	12.1
	Hispanic or Latino	≥23,940	26.7	14.8	18.7	21.3	18.5	≥23,980	36.7	14.9	24.2	11.6	12.7
	Native Hawaiian or Other Pacific Islander	≥530	18.5	17.9	20.2	24.5	18.9	≥530	22.2	16.0	32.2	15.1	14.5
	Two or More Races	≥340	22.7	9.8	18.1	27.3	22.1	≥340	30.2	13.5	29.6	13.2	13.5
	White	≥2,580	20.9	12.3	16.5	25.1	25.1	≥2,600	27.2	14.2	27.2	14.0	17.5
	Other/Unknown	≥100	28.6	15.2	12.4	21.0	22.9	≥100	41.0	8.6	22.9	11.4	16.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.5: Summative Performance Level by Domain - Grade 4

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥28,460	12.5	8.1	19.8	34.2	25.4	≥28,290	27.0	13.7	26.7	16.5	16.1
Gender	**Female**	≥13,260	12.3	7.8	19.7	34.3	25.9	≥13,190	25.7	13.6	27.5	16.6	16.6
	Male	≥15,070	12.6	8.5	19.9	34.0	25.0	≥14,970	28.2	13.8	26.0	16.4	15.7
	Missing	≥120	16.7	6.3	19.8	38.1	19.0	≥120	27.0	14.3	35.7	11.1	11.9
Ethnicity	**American Indian or Alaska Native**	≥140	13.9	10.4	17.4	42.4	16.0	≥140	33.6	14.7	30.1	12.6	9.1
	Asian	≥2,440	7.1	7.0	15.9	34.6	35.3	≥2,420	16.6	11.3	26.8	21.1	24.2
	Black or African American	≥2,450	12.0	7.9	21.7	35.3	23.2	≥2,410	25.6	15.0	27.8	16.9	14.7
	Hispanic or Latino	≥20,370	13.4	8.2	20.1	33.9	24.4	≥20,290	28.9	13.7	26.4	15.7	15.3
	Native Hawaiian or Other Pacific Islander	≥450	≤5.0	7.8	23.8	44.0	20.7	≥440	15.2	16.3	38.7	19.7	10.1
	Two or More Races	≥260	9.3	6.7	21.2	36.4	26.4	≥260	23.4	17.8	25.3	16.0	17.5
	White	≥2,240	11.5	9.1	18.8	33.0	27.6	≥2,220	24.4	14.3	26.2	17.9	17.2
	Other/Unknown	≥90	25.0	7.6	15.2	28.3	23.9	≥90	35.9	8.7	20.7	18.5	16.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.5: Summative Performance Level by Domain - Grade 4 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥28,300	21.9	13.2	18.6	22.3	24.0	≥28,330	24.0	12.2	38.4	12.6	12.8
Gender	**Female**	≥13,200	20.5	12.0	18.4	22.7	26.4	≥13,210	22.7	11.7	38.4	13.2	14.0
	Male	≥14,970	23.1	14.2	18.7	21.9	22.0	≥14,980	25.1	12.7	38.3	12.0	11.8
	Missing	≥120	24.6	9.5	29.4	24.6	11.9	≥120	22.2	9.5	50.8	7.9	9.5
Ethnicity	**American Indian or Alaska Native**	≥140	23.1	16.1	18.2	23.1	19.6	≥140	27.1	13.9	41.0	7.6	10.4
	Asian	≥2,420	15.5	12.2	17.8	23.7	30.8	≥2,430	14.3	10.2	39.1	17.2	19.2
	Black or African American	≥2,410	20.1	13.7	21.3	23.0	22.0	≥2,410	22.2	13.0	40.9	12.3	11.7
	Hispanic or Latino	≥20,290	23.4	13.3	18.3	21.8	23.2	≥20,300	25.9	12.3	37.7	12.0	12.1
	Native Hawaiian or Other Pacific Islander	≥440	13.0	15.5	27.6	21.7	22.2	≥440	10.3	13.9	53.2	13.0	9.6
	Two or More Races	≥260	16.8	15.3	19.8	26.9	21.3	≥260	18.6	16.0	38.3	12.3	14.9
	White	≥2,220	19.8	11.8	18.0	23.8	26.6	≥2,230	21.7	11.8	38.8	13.3	14.4
	Other/Unknown	≥90	28.3	10.9	13.0	26.1	21.7	≥90	37.0	5.4	32.6	18.5	6.5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.6: Summative Performance Level by Domain - Grade 5

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥24,530	16.0	10.0	12.7	37.5	23.8	≥24,390	29.7	15.0	31.0	13.3	10.9
Gender	**Female**	≥11,350	16.1	9.6	13.0	36.7	24.7	≥11,290	28.6	15.5	31.2	13.5	11.1
	Male	≥13,060	15.9	10.3	12.5	38.2	23.1	≥12,970	30.6	14.5	30.9	13.1	10.8
	Missing	≥120	19.0	9.9	11.6	38.0	21.5	≥120	33.3	20.8	20.0	15.0	10.8
Ethnicity	**American Indian or Alaska Native**	≥120	12.5	14.1	18.0	40.6	14.8	≥120	26.2	24.6	30.2	15.1	≤5.0
	Asian	≥2,210	9.7	7.2	11.4	39.8	31.9	≥2,200	19.4	13.5	33.6	17.6	16.0
	Black or African American	≥2,200	15.4	10.0	13.6	38.8	22.3	≥2,160	28.5	15.9	33.2	12.6	9.7
	Hispanic or Latino	≥17,270	17.4	10.2	12.6	36.8	23.0	≥17,200	31.6	14.8	30.2	12.9	10.4
	Native Hawaiian or Other Pacific Islander	≥470	5.3	8.9	18.0	49.7	18.2	≥470	17.8	22.0	41.0	12.1	7.2
	Two or More Races	≥230	13.9	6.3	16.4	37.8	25.6	≥230	28.7	16.5	29.1	13.5	12.2
	White	≥1,940	14.2	11.8	12.8	36.2	25.0	≥1,920	28.5	15.6	30.8	13.0	12.1
	Other/Unknown	≥50	28.8	6.8	11.9	28.8	23.7	≥50	42.4	6.8	22.0	10.2	18.6

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.6: Summative Performance Level by Domain - Grade 5 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥24,400	26.0	15.0	24.5	17.7	16.8	≥24,420	22.5	11.8	46.4	10.6	8.7
Gender	**Female**	≥11,290	25.3	13.9	24.2	18.7	17.9	≥11,300	21.8	11.3	46.1	11.4	9.4
	Male	≥12,980	26.6	15.9	24.8	16.8	15.9	≥12,990	23.2	12.2	46.6	10.0	8.0
	Missing	≥120	32.2	11.6	31.4	12.4	12.4	≥120	24.8	9.9	43.8	9.9	11.6
Ethnicity	**American Indian or Alaska Native**	≥120	22.7	21.1	26.6	14.8	14.8	≥120	18.8	18.0	51.6	7.8	≤5.0
	Asian	≥2,210	19.1	15.2	27.1	20.2	18.4	≥2,200	13.2	10.5	50.7	13.1	12.5
	Black or African American	≥2,170	24.2	15.7	27.0	18.3	14.8	≥2,160	20.6	12.2	48.0	10.7	8.5
	Hispanic or Latino	≥17,190	27.7	14.6	23.8	17.2	16.7	≥17,210	24.5	11.7	45.3	10.4	8.1
	Native Hawaiian or Other Pacific Islander	≥470	13.7	17.1	31.9	23.0	14.2	≥470	8.0	15.0	61.9	8.7	6.3
	Two or More Races	≥230	21.6	17.4	25.0	18.6	17.4	≥230	20.7	10.1	48.5	11.4	9.3
	White	≥1,920	23.7	16.5	23.6	17.0	19.1	≥1,930	21.0	12.8	45.2	11.1	9.9
	Other/Unknown	≥50	37.3	6.8	13.6	22.0	20.3	≥50	35.6	8.5	30.5	5.1	20.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.7: Summative Performance Level by Domain - Grade 6

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥21,970	13.7	9.9	22.8	30.7	22.9	≥21,850	27.8	17.8	33.8	12.1	8.4
Gender	**Female**	≥9,980	13.5	9.5	21.6	31.5	23.8	≥9,930	26.0	18.1	34.8	12.4	8.7
	Male	≥11,890	13.9	10.2	23.8	30.0	22.1	≥11,820	29.4	17.6	32.9	11.9	8.2
	Missing	≥90	16.0	13.8	25.5	24.5	20.2	≥90	35.1	12.8	28.7	14.9	8.5
Ethnicity	**American Indian or Alaska Native**	≥110	12.6	15.1	17.6	28.6	26.1	≥110	33.3	12.0	33.3	12.0	9.4
	Asian	≥1,940	6.2	8.4	20.7	31.2	33.6	≥1,930	18.6	14.7	34.7	16.1	15.9
	Black or African American	≥1,990	11.1	10.4	26.8	29.7	22.0	≥1,970	28.3	17.3	34.1	12.3	7.9
	Hispanic or Latino	≥15,590	15.7	10.1	22.5	30.2	21.5	≥15,520	29.5	18.4	33.2	11.5	7.4
	Native Hawaiian or Other Pacific Islander	≥430	≤5.0	5.9	29.4	39.9	21.2	≥430	16.7	18.3	45.9	12.3	6.8
	Two or More Races	≥200	9.6	11.5	20.2	28.8	29.8	≥200	27.3	15.1	33.7	12.7	11.2
	White	≥1,620	10.7	9.7	22.7	33.6	23.4	≥1,610	24.6	17.5	34.9	12.9	10.1
	Other/Unknown	≥40	17.8	8.9	20.0	31.1	22.2	≥40	33.3	15.6	26.7	17.8	6.7

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.7: Summative Performance Level by Domain - Grade 6 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥21,850	23.0	13.3	27.1	18.7	17.9	≥21,860	21.9	13.4	41.5	12.3	10.9
Gender	**Female**	≥9,950	21.8	12.8	26.7	19.6	19.2	≥9,940	20.1	12.4	41.8	13.4	12.3
	Male	≥11,810	23.9	13.6	27.6	17.9	16.9	≥11,820	23.4	14.3	41.2	11.4	9.7
	Missing	≥90	29.3	16.3	22.8	21.7	9.8	≥90	25.5	13.8	41.5	12.8	6.4
Ethnicity	**American Indian or Alaska Native**	≥110	23.7	17.8	20.3	23.7	14.4	≥110	23.9	15.4	35.0	12.8	12.8
	Asian	≥1,940	15.6	11.2	28.8	20.9	23.4	≥1,940	13.6	12.2	39.5	15.8	18.8
	Black or African American	≥1,970	21.5	14.2	30.0	19.2	15.1	≥1,970	21.4	14.0	42.5	12.3	9.8
	Hispanic or Latino	≥15,520	24.8	13.2	26.5	18.0	17.4	≥15,530	23.8	13.6	41.1	11.7	9.8
	Native Hawaiian or Other Pacific Islander	≥430	11.2	14.8	34.6	22.6	16.9	≥430	8.2	12.3	52.3	14.4	12.8
	Two or More Races	≥200	19.9	15.0	24.8	17.5	22.8	≥200	21.0	11.7	39.5	12.2	15.6
	White	≥1,610	18.9	13.8	27.5	20.5	19.3	≥1,610	18.2	13.2	44.1	12.8	11.6
	Other/Unknown	≥ 40	33.3	20.0	8.9	17.8	20.0	≥40	26.7	17.8	33.3	13.3	8.9

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.8: Summative Performance Level by Domain - Grade 7

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,930	20.7	14.0	30.9	18.2	16.2	≥20,820	36.9	21.8	29.3	7.1	≤5.0
Gender	**Female**	≥9,490	21.0	13.1	30.3	18.4	17.1	≥9,450	35.3	22.0	30.5	7.1	5.1
	Male	≥11,360	20.4	14.7	31.4	18.0	15.5	≥11,300	38.2	21.6	28.3	7.1	≤5.0
	Missing	≥60	26.2	12.3	27.7	16.9	16.9	≥60	42.2	15.6	25.0	15.6	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥100	29.0	9.3	29.9	15.9	15.9	≥100	44.8	14.3	27.6	8.6	≤5.0
	Asian	≥1,670	10.9	11.8	31.7	20.6	25.0	≥1,660	24.3	20.2	35.1	10.5	9.9
	Black or African American	≥1,920	17.1	14.4	33.1	18.6	16.7	≥1,900	35.8	22.2	29.9	7.8	≤5.0
	Hispanic or Latino	≥14,910	23.1	14.1	30.0	17.7	15.0	≥14,850	39.1	21.9	28.2	6.5	≤5.0
	Native Hawaiian or Other Pacific Islander	≥430	5.3	15.8	42.1	25.1	11.6	≥430	26.3	23.7	40.7	7.0	≤5.0
	Two or More Races	≥210	15.6	15.6	33.5	17.0	18.3	≥210	34.9	22.5	25.2	9.6	7.8
	White	≥1,590	16.8	13.7	32.1	18.0	19.4	≥1,580	33.2	21.4	30.3	8.2	6.9
	Other/Unknown	≥50	31.0	13.8	24.1	20.7	10.3	≥50	46.6	24.1	20.7	5.2	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.8: Summative Performance Level by Domain - Grade 7 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,790	25.1	15.8	29.8	14.4	14.9	≥20,840	33.2	15.4	35.3	8.6	7.5
Gender	**Female**	≥9,440	24.3	15.1	29.6	14.9	16.1	≥9,460	31.5	14.4	35.9	9.5	8.6
	Male	≥11,290	25.7	16.4	29.9	14.0	14.0	≥11,310	34.6	16.2	34.8	7.9	6.5
	Missing	≥60	29.2	15.4	33.8	9.2	12.3	≥60	38.5	12.3	35.4	9.2	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥100	28.6	13.3	30.5	15.2	12.4	≥100	36.2	14.3	38.1	≤5.0	6.7
	Asian	≥1,660	15.2	14.8	32.4	17.2	20.4	≥1,660	21.2	13.9	38.7	12.2	13.9
	Black or African American	≥1,900	22.2	16.8	34.4	13.3	13.3	≥1,900	31.1	16.4	36.9	9.3	6.4
	Hispanic or Latino	≥14,820	27.4	15.8	28.5	14.0	14.3	≥14,860	35.7	15.4	34.1	8.0	6.7
	Native Hawaiian or Other Pacific Islander	≥420	13.3	15.4	40.3	19.8	11.2	≥430	17.7	17.2	46.7	12.1	6.3
	Two or More Races	≥210	16.9	21.0	40.6	10.0	11.4	≥210	28.8	18.3	34.7	10.0	8.2
	White	≥1,580	20.8	15.4	29.8	15.8	18.1	≥1,580	29.3	13.9	37.5	9.1	10.2
	Other/Unknown	≥50	36.2	12.1	24.1	12.1	15.5	≥50	41.4	20.7	27.6	6.9	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.9: Summative Performance Level by Domain - Grade 8

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,510	18.9	14.0	28.5	20.1	18.5	≥20,400	34.5	20.8	34.4	6.0	≤5.0
Gender	**Female**	≥9,170	19.2	13.4	27.9	20.5	19.0	≥9,120	33.5	20.6	35.8	5.6	≤5.0
	Male	≥11,260	18.7	14.3	29.0	19.7	18.2	≥11,190	35.2	21.0	33.2	6.3	≤5.0
	Missing	≥70	19.7	21.1	27.6	14.5	17.1	≥70	35.5	27.6	30.3	≤5.0	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥90	20.4	15.3	27.6	20.4	16.3	≥90	31.6	18.4	40.8	8.2	≤5.0
	Asian	≥1,570	8.9	11.5	29.4	23.6	26.6	≥1,550	22.7	19.1	41.3	8.8	8.1
	Black or African American	≥1,870	14.7	13.1	31.6	22.3	18.3	≥1,850	30.7	22.0	36.6	6.7	≤5.0
	Hispanic or Latino	≥14,700	21.4	14.4	27.5	19.3	17.4	≥14,630	37.0	20.6	33.0	5.6	≤5.0
	Native Hawaiian or Other Pacific Islander	≥470	5.5	11.9	42.3	24.5	15.7	≥460	20.9	27.1	45.6	≤5.0	≤5.0
	Two or More Races	≥170	12.3	12.8	31.8	19.6	23.5	≥170	24.3	22.6	40.1	8.5	≤5.0
	White	≥1,560	15.6	14.5	28.7	19.6	21.6	≥1,550	32.3	21.7	33.6	6.5	5.9
	Other/Unknown	≥50	21.6	13.7	27.5	13.7	23.5	≥50	33.3	23.5	27.5	≤5.0	11.8

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.9: Summative Performance Level by Domain - Grade 8 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,370	23.3	13.9	30.5	14.9	17.3	≥20,410	31.7	15.0	37.3	8.8	7.3
Gender	**Female**	≥9,100	22.9	13.5	29.4	15.5	18.7	≥9,120	30.6	14.1	37.6	9.3	8.4
	Male	≥11,190	23.7	14.2	31.5	14.5	16.2	≥11,200	32.5	15.7	37.0	8.3	6.5
	Missing	≥70	26.0	20.8	28.6	11.7	13.0	≥70	35.5	17.1	30.3	10.5	6.6
Ethnicity	**American Indian or Alaska Native**	≥90	24.0	16.7	29.2	15.6	14.6	≥90	34.0	11.3	40.2	11.3	≤5.0
	Asian	≥1,550	12.5	11.9	33.7	17.7	24.3	≥1,550	20.1	13.2	43.1	11.4	12.3
	Black or African American	≥1,860	19.2	15.1	34.4	15.6	15.7	≥1,850	28.2	15.7	39.6	9.7	6.7
	Hispanic or Latino	≥14,600	25.8	14.0	29.4	14.4	16.4	≥14,640	34.1	14.9	36.0	8.3	6.7
	Native Hawaiian or Other Pacific Islander	≥460	12.6	14.1	38.8	18.8	15.8	≥460	17.5	16.4	48.8	11.5	5.8
	Two or More Races	≥170	14.2	15.3	32.4	20.5	17.6	≥170	21.5	18.6	42.9	8.5	8.5
	White	≥1,550	20.5	13.0	30.9	14.2	21.3	≥1,560	29.3	15.7	37.1	8.9	9.0
	Other/Unknown	≥50	29.4	15.7	25.5	15.7	13.7	≥50	37.3	19.6	23.5	5.9	13.7

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.10: Summative Performance Level by Domain - Grade 9

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥23,200	29.8	14.9	30.6	14.2	10.5	≥23,120	45.8	20.4	28.2	≤5.0	≤5.0
Gender	**Female**	≥10,300	29.0	14.3	31.2	14.7	10.9	≥10,270	44.7	20.8	28.9	≤5.0	≤5.0
	Male	≥12,770	30.3	15.4	30.3	13.9	10.1	≥12,730	46.5	20.1	27.7	≤5.0	≤5.0
	Missing	≥110	46.2	15.1	20.2	8.4	10.1	≥110	61.9	13.6	16.9	5.1	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥150	28.3	17.1	36.2	13.8	≤5.0	≥150	45.4	27.6	24.3	≤5.0	≤5.0
	Asian	≥1,570	17.6	11.8	31.3	19.1	20.1	≥1,550	31.5	21.1	36.6	6.9	≤5.0
	Black or African American	≥2,470	30.5	15.9	29.8	13.4	10.4	≥2,460	46.8	21.0	26.8	≤5.0	≤5.0
	Hispanic or Latino	≥16,570	31.9	15.0	30.2	13.6	9.2	≥16,520	48.0	19.6	27.4	≤5.0	≤5.0
	Native Hawaiian or Other Pacific Islander	≥450	11.0	17.3	45.8	15.4	10.5	≥450	28.2	34.1	34.4	≤5.0	≤5.0
	Two or More Races	≥230	23.7	14.4	36.4	15.7	9.7	≥230	43.0	23.0	28.1	≤5.0	≤5.0
	White	≥1,690	24.4	14.2	30.9	16.5	14.1	≥1,680	40.5	21.9	29.9	≤5.0	≤5.0
	Other/Unknown	≥50	51.9	11.5	15.4	7.7	13.5	≥50	66.7	13.7	13.7	5.9	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.10: Summative Performance Level by Domain - Grade 9 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥22,890	30.1	19.7	31.4	10.3	8.5	≥23,110	41.7	16.2	32.5	5.3	≤5.0
Gender	**Female**	≥10,180	29.2	19.1	30.7	11.3	9.6	≥10,270	40.5	14.9	33.8	6.0	≤5.0
	Male	≥12,580	30.8	20.1	32.0	9.4	7.7	≥12,720	42.6	17.4	31.5	≤5.0	≤5.0
	Missing	≥110	40.5	25.9	18.1	10.3	5.2	≥110	60.3	11.2	22.4	≤5.0	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥140	26.8	21.5	32.2	8.7	10.7	≥150	45.4	21.7	28.3	≤5.0	≤5.0
	Asian	≥1,560	19.2	17.4	34.1	14.4	14.9	≥1,560	27.9	15.9	39.4	8.8	8.0
	Black or African American	≥2,440	29.9	22.2	30.2	10.1	7.6	≥2,450	44.0	17.0	30.7	≤5.0	≤5.0
	Hispanic or Latino	≥16,310	32.3	19.5	30.9	9.6	7.7	≥16,510	43.8	15.8	31.7	≤5.0	≤5.0
	Native Hawaiian or Other Pacific Islander	≥450	14.5	22.6	41.9	14.0	7.0	≥450	20.0	26.1	42.3	9.2	≤5.0
	Two or More Races	≥230	23.3	20.8	33.1	12.7	10.2	≥230	37.8	16.7	36.1	≤5.0	5.6
	White	≥1,680	24.3	19.3	32.2	12.2	12.0	≥1,680	36.6	16.7	34.5	6.0	6.1
	Other/Unknown	≥50	52.9	13.7	15.7	5.9	11.8	≥50	64.7	7.8	21.6	≤5.0	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.11: Summative Performance Level by Domain - Grade 10

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,930	24.1	15.1	30.3	15.8	14.7	≥20,850	40.5	20.0	31.0	5.2	≤5.0
Gender	**Female**	≥9,350	22.4	15.0	30.6	16.2	15.8	≥9,320	38.8	20.4	32.1	5.2	≤5.0
	Male	≥11,520	25.5	15.1	30.0	15.5	13.9	≥11,460	41.7	19.6	30.3	5.1	≤5.0
	Missing	≥60	30.6	12.9	33.9	9.7	12.9	≥60	46.0	20.6	25.4	7.9	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥130	28.7	17.6	20.6	14.7	18.4	≥130	44.8	17.9	22.4	13.4	≤5.0
	Asian	≥1,500	11.5	11.7	30.0	21.2	25.5	≥1,490	26.1	19.3	38.9	8.5	7.2
	Black or African American	≥2,240	21.3	15.6	32.2	16.5	14.5	≥2,230	37.4	22.6	32.2	≤5.0	≤5.0
	Hispanic or Latino	≥14,810	27.1	15.4	29.5	14.9	13.1	≥14,770	43.6	19.1	29.8	≤5.0	≤5.0
	Native Hawaiian or Other Pacific Islander	≥460	7.6	13.4	45.6	22.3	11.1	≥450	24.0	33.6	36.2	≤5.0	≤5.0
	Two or More Races	≥170	10.6	14.7	29.4	16.5	28.8	≥170	28.2	17.1	37.6	9.4	7.6
	White	≥1,560	17.8	14.4	31.6	16.4	19.8	≥1,550	34.7	21.3	31.8	6.7	5.5
	Other/Unknown	≥30	30.8	7.7	25.6	17.9	17.9	≥30	39.5	15.8	31.6	13.2	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.11: Summative Performance Level by Domain - Grade 10 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥20,620	24.0	20.2	32.4	11.6	11.8	≥20,830	35.8	16.9	34.3	7.1	6.0
Gender	**Female**	≥9,230	22.7	19.5	31.7	12.3	13.8	≥9,320	34.0	16.0	34.9	8.0	7.0
	Male	≥11,330	25.1	20.7	32.9	11.1	10.2	≥11,450	37.2	17.5	33.9	6.3	5.2
	Missing	≥50	28.8	16.9	35.6	6.8	11.9	≥60	43.3	13.3	35.0	8.3	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥130	24.4	23.7	18.5	14.1	19.3	≥130	43.6	16.5	28.6	7.5	≤5.0
	Asian	≥1,490	12.7	16.2	36.0	15.8	19.4	≥1,490	21.3	14.8	42.2	11.2	10.5
	Black or African American	≥2,220	20.5	21.4	33.9	11.8	12.6	≥2,230	34.2	18.7	35.6	6.1	5.4
	Hispanic or Latino	≥14,560	26.9	20.7	31.4	10.8	10.3	≥14,750	38.8	16.6	32.8	6.5	5.4
	Native Hawaiian or Other Pacific Islander	≥450	12.5	20.4	43.8	15.1	8.3	≥450	17.2	21.8	48.8	8.3	≤5.0
	Two or More Races	≥160	12.5	19.0	32.7	16.7	19.0	≥170	21.2	16.5	38.8	13.5	10.0
	White	≥1,550	18.2	17.5	33.6	13.5	17.2	≥1,550	29.7	17.2	35.4	9.0	8.7
	Other/Unknown	≥30	28.2	15.4	38.5	7.7	10.3	≥30	39.5	13.2	31.6	13.2	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.12: Summative Performance Level by Domain - Grade 11

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥17,290	17.9	14.0	30.4	17.7	20.1	≥17,240	33.0	20.1	34.7	7.0	5.2
Gender	**Female**	≥7,830	16.5	13.3	30.3	18.4	21.6	≥7,810	31.4	20.1	35.8	7.2	5.4
	Male	≥9,370	19.1	14.6	30.4	17.1	18.8	≥9,340	34.4	20.1	33.8	6.7	≤5.0
	Missing	≥80	20.5	12.0	32.5	18.1	16.9	≥80	31.0	23.8	33.3	7.1	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥100	14.4	16.3	29.8	22.1	17.3	≥100	30.4	25.5	30.4	10.8	≤5.0
	Asian	≥1,340	8.5	8.7	27.9	21.9	33.0	≥1,340	18.9	18.6	42.1	10.4	9.9
	Black or African American	≥1,830	17.3	13.6	32.1	17.9	19.1	≥1,810	31.1	23.7	34.8	7.0	≤5.0
	Hispanic or Latino	≥12,040	19.9	14.9	30.3	17.0	17.9	≥12,020	36.0	19.6	33.6	6.3	≤5.0
	Native Hawaiian or Other Pacific Islander	≥340	6.9	14.9	43.4	19.3	15.5	≥340	22.1	30.7	39.7	≤5.0	≤5.0
	Two or More Races	≥160	15.0	8.4	32.3	24.0	20.4	≥160	23.7	21.3	41.4	7.1	6.5
	White	≥1,410	13.9	12.3	27.5	17.5	28.8	≥1,410	28.2	17.9	34.7	9.5	9.7
	Other/Unknown	≥20	17.2	≤5.0	31.0	20.7	27.6	≥20	20.7	17.2	41.4	6.9	13.8

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.12: Summative Performance Level by Domain - Grade 11 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥17,030	18.3	18.0	34.1	13.6	16.0	≥17,220	28.8	16.4	36.6	9.0	9.1
Gender	**Female**	≥7,740	17.2	17.1	33.3	14.5	18.0	≥7,800	26.5	15.1	37.2	10.3	10.8
	Male	≥9,200	19.3	18.7	34.7	13.0	14.3	≥9,330	30.7	17.4	36.2	8.0	7.8
	Missing	≥80	19.8	23.5	34.6	6.2	16.0	≥80	30.5	18.3	39.0	6.1	6.1
Ethnicity	**American Indian or Alaska Native**	≥100	15.4	22.1	36.5	10.6	15.4	≥100	28.2	20.4	38.8	9.7	≤5.0
	Asian	≥1,340	9.5	14.0	34.3	16.5	25.7	≥1,340	15.0	14.3	40.7	12.8	17.3
	Black or African American	≥1,790	15.8	19.3	35.2	13.5	16.3	≥1,810	28.1	18.0	39.3	7.7	6.9
	Hispanic or Latino	≥11,850	20.5	18.8	33.7	13.2	13.9	≥12,000	31.5	16.3	35.6	8.5	8.0
	Native Hawaiian or Other Pacific Islander	≥340	11.8	17.9	46.0	16.5	7.8	≥350	17.9	22.5	42.7	9.7	7.1
	Two or More Races	≥160	17.9	11.9	37.5	13.1	19.6	≥160	24.3	15.4	40.8	9.5	10.1
	White	≥1,390	13.8	14.3	31.9	14.5	25.5	≥1,410	23.5	15.3	35.8	11.3	14.1
	Other/Unknown	≥20	20.7	≤5.0	41.4	10.3	24.1	≥20	20.7	17.2	34.5	13.8	13.8

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.13: Summative Performance Level by Domain - Grade 12

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥13,440	14.4	14.6	33.5	17.9	19.6	≥13,390	30.0	21.7	36.3	6.9	5.1
Gender	**Female**	≥6,160	13.3	13.9	33.0	18.6	21.1	≥6,140	28.5	21.3	37.9	7.2	≤5.0
	Male	≥7,240	15.3	15.2	33.9	17.3	18.4	≥7,210	31.2	22.1	34.8	6.7	5.2
	Missing	≥40	26.2	16.7	33.3	16.7	7.1	≥40	42.9	11.9	38.1	≤5.0	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥90	12.1	22.0	27.5	16.5	22.0	≥90	37.4	16.5	39.6	≤5.0	≤5.0
	Asian	≥1,100	5.3	9.6	29.9	20.7	34.5	≥1,090	17.1	18.9	43.4	11.0	9.6
	Black or African American	≥1,450	13.4	15.1	35.3	18.4	17.9	≥1,450	28.5	24.1	36.9	6.2	≤5.0
	Hispanic or Latino	≥9,300	15.9	15.6	34.0	17.3	17.2	≥9,260	32.7	21.7	34.9	6.4	≤5.0
	Native Hawaiian or Other Pacific Islander	≥270	≤5.0	13.9	42.5	20.9	19.0	≥270	15.4	30.8	44.7	6.6	≤5.0
	Two or More Races	≥100	14.8	14.8	26.9	19.4	24.1	≥100	29.0	16.8	39.3	8.4	6.5
	White	≥1,090	15.1	11.0	28.5	18.5	26.8	≥1,090	26.4	19.6	36.8	7.7	9.5
	Other/Unknown	≥10	≤5.0	≤5.0	58.8	23.5	17.6	≥10	5.9	35.3	41.2	17.6	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.13: Summative Performance Level by Domain - Grade 12 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥13,240	15.4	18.7	35.7	14.6	15.7	≥13,380	25.3	17.8	39.6	9.0	8.4
Gender	**Female**	≥6,080	14.3	17.9	34.5	16.0	17.2	≥6,130	23.2	16.4	40.7	10.0	9.7
	Male	≥7,110	16.1	19.3	36.8	13.3	14.4	≥7,200	26.9	19.0	38.6	8.2	7.3
	Missing	≥40	31.0	16.7	28.6	9.5	14.3	≥40	40.5	14.3	38.1	≤5.0	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥90	14.4	16.7	40.0	12.2	16.7	≥80	29.2	21.3	34.8	10.1	≤5.0
	Asian	≥1,090	7.1	15.1	36.0	17.3	24.4	≥1,100	13.0	14.8	43.5	14.5	14.2
	Black or African American	≥1,440	11.9	19.8	39.4	14.2	14.7	≥1,440	24.3	19.5	41.3	8.4	6.5
	Hispanic or Latino	≥9,140	17.3	19.5	35.2	14.1	13.9	≥9,250	27.5	18.1	38.6	8.3	7.5
	Native Hawaiian or Other Pacific Islander	≥270	8.9	17.0	45.2	14.1	14.8	≥270	13.2	20.1	48.7	10.3	7.7
	Two or More Races	≥100	14.8	21.3	33.3	17.6	13.0	≥100	26.9	16.7	38.9	10.2	7.4
	White	≥1,070	13.8	14.2	32.2	15.7	24.1	≥1,090	22.8	15.2	39.3	9.6	13.0
	Other/Unknown	≥10	≤5.0	5.9	47.1	29.4	17.6	≥10	0.0	29.4	41.2	29.4	≤5.0

* Domain tests with Exemption or Not Attempted are excluded.

Section 6: Summative Assessment - Percentage of Students by Overall Proficiency Category

* The percentages are suppressed when the N count is fewer than 10.

Figure S6.1: Summative Percentage of Students in Overall Proficiency Categories

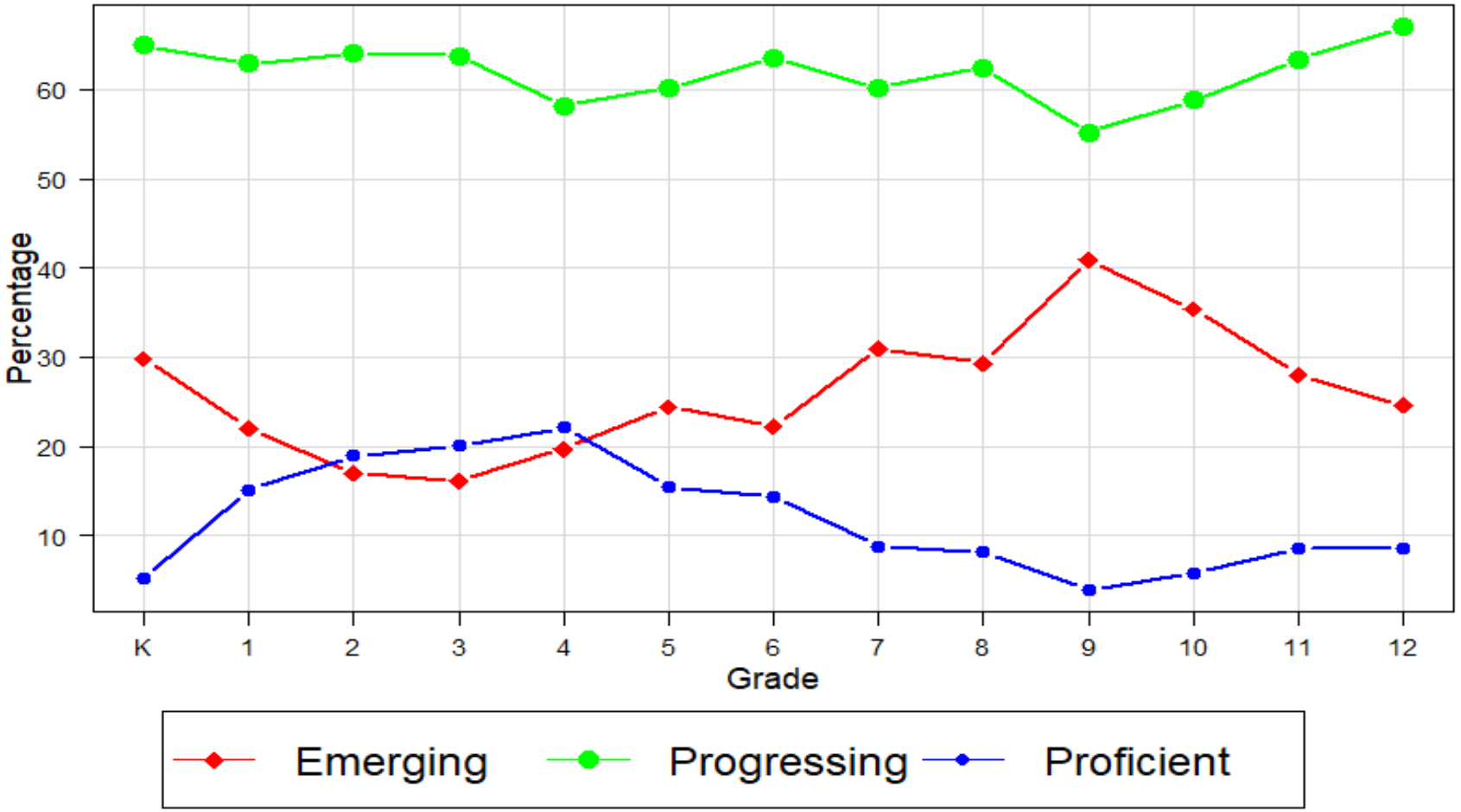


Table S6.1: Summative Overall Proficiency Categories - Kindergarten

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥42,040	29.8	65.0	5.2
Gender	**Female**	≥20,540	26.7	67.6	5.6
	Male	≥21,220	32.8	62.4	≤5.0
	Missing	≥270	33.6	63.5	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥220	26.2	66.5	7.2
	Asian	≥4,900	12.5	73.6	13.9
	Black or African American	≥4,000	21.6	73.3	5.1
	Hispanic or Latino	≥27,750	35.8	61.2	≤5.0
	Native Hawaiian or Other Pacific Islander	≥640	24.8	72.4	≤5.0
	Two or More Races	≥470	20.1	70.5	9.4
	White	≥3,840	19.5	70.6	9.9
	Other/Unknown	≥180	31.1	61.7	7.1

Table S6.2: Summative Overall Proficiency Categories - Grade 1

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥41,270	22.0	62.9	15.1
Gender	**Female**	≥19,960	19.9	63.5	16.6
	Male	≥21,080	23.9	62.2	13.9
	Missing	≥220	21.9	68.9	9.2
Ethnicity	**American Indian or Alaska Native**	≥220	26.5	54.4	19.0
	Asian	≥4,980	9.5	58.0	32.5
	Black or African American	≥3,790	16.6	67.4	16.0
	Hispanic or Latino	≥27,270	26.0	63.0	10.9
	Native Hawaiian or Other Pacific Islander	≥660	15.3	70.0	14.7
	Two or More Races	≥430	16.9	59.9	23.2
	White	≥3,720	15.6	63.8	20.6
	Other/Unknown	≥170	25.7	52.0	22.2

Table S6.3: Summative Overall Proficiency Categories - Grade 2

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥37,830	17.0	64.1	18.9
Gender	**Female**	≥17,880	15.6	63.9	20.5
	Male	≥19,750	18.3	64.2	17.5
	Missing	≥190	14.9	67.5	17.5
Ethnicity	**American Indian or Alaska Native**	≥180	22.6	64.0	13.4
	Asian	≥3,910	9.4	57.3	33.3
	Black or African American	≥3,250	15.0	64.7	20.3
	Hispanic or Latino	≥26,190	19.0	65.2	15.8
	Native Hawaiian or Other Pacific Islander	≥610	10.8	72.3	17.0
	Two or More Races	≥400	12.7	62.7	24.6
	White	≥3,130	12.9	61.8	25.3
	Other/Unknown	≥120	17.6	57.6	24.8

Table S6.4: Summative Overall Proficiency Categories - Grade 3

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥33,800	16.1	63.8	20.1
Gender	**Female**	≥15,960	15.3	62.4	22.2
	Male	≥17,720	16.7	65.1	18.1
	Missing	≥110	20.2	60.5	19.3
Ethnicity	**American Indian or Alaska Native**	≥170	22.6	60.5	16.9
	Asian	≥3,210	9.9	58.1	32.0
	Black or African American	≥2,730	13.8	66.7	19.5
	Hispanic or Latino	≥24,080	17.4	64.4	18.2
	Native Hawaiian or Other Pacific Islander	≥530	9.8	71.1	19.2
	Two or More Races	≥340	12.3	67.0	20.6
	White	≥2,610	15.1	61.2	23.7
	Other/Unknown	≥100	21.0	56.2	22.9

Table S6.5: Summative Overall Proficiency Categories - Grade 4

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥28,480	19.7	58.2	22.1
Gender	**Female**	≥13,270	19.0	57.5	23.5
	Male	≥15,090	20.3	58.8	20.9
	Missing	≥120	20.6	65.1	14.3
Ethnicity	**American Indian or Alaska Native**	≥140	23.6	61.8	14.6
	Asian	≥2,440	13.4	55.0	31.7
	Black or African American	≥2,450	18.6	61.1	20.3
	Hispanic or Latino	≥20,380	20.8	58.2	21.0
	Native Hawaiian or Other Pacific Islander	≥450	11.3	70.1	18.6
	Two or More Races	≥270	15.9	61.5	22.6
	White	≥2,240	19.4	56.1	24.5
	Other/Unknown	≥90	29.3	46.7	23.9

Table S6.6: Summative Overall Proficiency Categories - Grade 5

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥24,560	24.4	60.2	15.4
Gender	**Female**	≥11,360	23.9	59.6	16.5
	Male	≥13,080	24.8	60.7	14.5
	Missing	≥120	28.1	55.4	16.5
Ethnicity	**American Indian or Alaska Native**	≥120	25.8	65.6	8.6
	Asian	≥2,220	15.8	64.0	20.2
	Black or African American	≥2,200	23.2	62.3	14.5
	Hispanic or Latino	≥17,290	26.0	59.2	14.8
	Native Hawaiian or Other Pacific Islander	≥470	12.1	75.7	12.3
	Two or More Races	≥230	18.1	65.1	16.8
	White	≥1,940	24.1	58.7	17.2
	Other/Unknown	≥50	35.6	40.7	23.7

Table S6.7: Summative Overall Proficiency Categories - Grade 6

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥22,020	22.2	63.5	14.4
Gender	**Female**	≥10,000	21.5	63.0	15.5
	Male	≥11,920	22.7	63.9	13.4
	Missing	≥90	28.4	61.1	10.5
Ethnicity	**American Indian or Alaska Native**	≥110	26.1	59.7	14.3
	Asian	≥1,950	13.4	63.2	23.3
	Black or African American	≥2,000	19.9	66.6	13.5
	Hispanic or Latino	≥15,630	24.3	62.5	13.2
	Native Hawaiian or Other Pacific Islander	≥440	8.0	78.9	13.2
	Two or More Races	≥200	19.7	63.0	17.3
	White	≥1,620	19.0	65.3	15.7
	Other/Unknown	≥40	26.7	55.6	17.8

Table S6.8: Summative Overall Proficiency Categories - Grade 7

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥20,970	31.0	60.2	8.8
Gender	**Female**	≥9,510	30.3	60.4	9.2
	Male	≥11,390	31.6	60.0	8.4
	Missing	≥60	33.8	55.4	10.8
Ethnicity	**American Indian or Alaska Native**	≥100	35.5	57.9	6.5
	Asian	≥1,680	19.8	64.8	15.5
	Black or African American	≥1,930	28.4	63.5	8.1
	Hispanic or Latino	≥14,950	33.5	58.7	7.8
	Native Hawaiian or Other Pacific Islander	≥430	17.4	75.1	7.4
	Two or More Races	≥210	27.4	60.7	11.9
	White	≥1,590	26.6	61.2	12.1
	Other/Unknown	≥50	43.1	50.0	6.9

Table S6.9: Summative Overall Proficiency Categories - Grade 8

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥20,550	29.3	62.5	8.1
Gender	**Female**	≥9,190	29.2	62.3	8.5
	Male	≥11,280	29.4	62.7	7.8
	Missing	≥70	35.1	58.4	6.5
Ethnicity	**American Indian or Alaska Native**	≥90	35.4	58.6	6.1
	Asian	≥1,570	17.8	68.8	13.4
	Black or African American	≥1,880	24.7	67.2	8.1
	Hispanic or Latino	≥14,720	32.0	60.5	7.5
	Native Hawaiian or Other Pacific Islander	≥470	14.5	80.0	5.5
	Two or More Races	≥170	22.9	68.2	8.9
	White	≥1,570	26.0	64.2	9.7
	Other/Unknown	≥50	35.3	49.0	15.7

Table S6.10: Summative Overall Proficiency Categories - Grade 9

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥23,260	40.9	55.2	≤5.0
Gender	**Female**	≥10,330	39.8	56.0	≤5.0
	Male	≥12,800	41.6	54.8	≤5.0
	Missing	≥110	60.5	35.3	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥150	39.5	59.2	≤5.0
	Asian	≥1,570	27.3	64.7	8.0
	Black or African American	≥2,480	43.1	53.2	≤5.0
	Hispanic or Latino	≥16,610	43.1	53.5	≤5.0
	Native Hawaiian or Other Pacific Islander	≥450	22.1	75.7	≤5.0
	Two or More Races	≥230	35.0	60.8	≤5.0
	White	≥1,690	34.2	60.2	5.7
	Other/Unknown	≥50	63.5	32.7	≤5.0

Table S6.11: Summative Overall Proficiency Categories - Grade 10

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥20,990	35.4	58.8	5.8
Gender	**Female**	≥9,370	33.7	59.8	6.5
	Male	≥11,550	36.7	57.9	5.3
	Missing	≥60	44.6	52.3	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥130	40.1	50.4	9.5
	Asian	≥1,500	20.1	68.4	11.5
	Black or African American	≥2,250	33.2	61.6	5.2
	Hispanic or Latino	≥14,850	38.7	56.4	≤5.0
	Native Hawaiian or Other Pacific Islander	≥460	18.4	77.5	≤5.0
	Two or More Races	≥170	22.4	64.7	12.9
	White	≥1,560	28.1	63.1	8.7
	Other/Unknown	≥30	38.5	51.3	10.3

Table S6.12: Summative Overall Proficiency Categories - Grade 11

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥17,340	28.0	63.4	8.6
Gender	**Female**	≥7,860	26.3	63.9	9.8
	Male	≥9,400	29.3	63.0	7.7
	Missing	≥80	29.8	63.1	7.1
Ethnicity	**American Indian or Alaska Native**	≥100	26.7	67.6	5.7
	Asian	≥1,350	14.3	70.5	15.2
	Black or African American	≥1,830	26.3	66.8	6.9
	Hispanic or Latino	≥12,070	30.8	61.6	7.6
	Native Hawaiian or Other Pacific Islander	≥350	18.8	75.8	5.4
	Two or More Races	≥160	20.1	69.2	10.7
	White	≥1,420	22.2	63.6	14.2
	Other/Unknown	≥20	20.7	58.6	20.7

Table S6.13: Summative Overall Proficiency Categories - Grade 12

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥13,490	24.6	67.0	8.5
Gender	**Female**	≥6,190	23.2	67.5	9.3
	Male	≥7,260	25.6	66.5	7.8
	Missing	≥40	38.1	57.1	≤5.0
Ethnicity	**American Indian or Alaska Native**	≥90	25.3	70.3	≤5.0
	Asian	≥1,100	12.9	71.0	16.1
	Black or African American	≥1,460	23.3	69.9	6.8
	Hispanic or Latino	≥9,330	26.9	65.6	7.5
	Native Hawaiian or Other Pacific Islander	≥270	12.4	80.0	7.6
	Two or More Races	≥100	25.0	67.6	7.4
	White	≥1,100	21.6	66.2	12.1
	Other/Unknown	≥10	≤5.0	88.2	11.8

Section 7: Summative Assessment - Testing Time

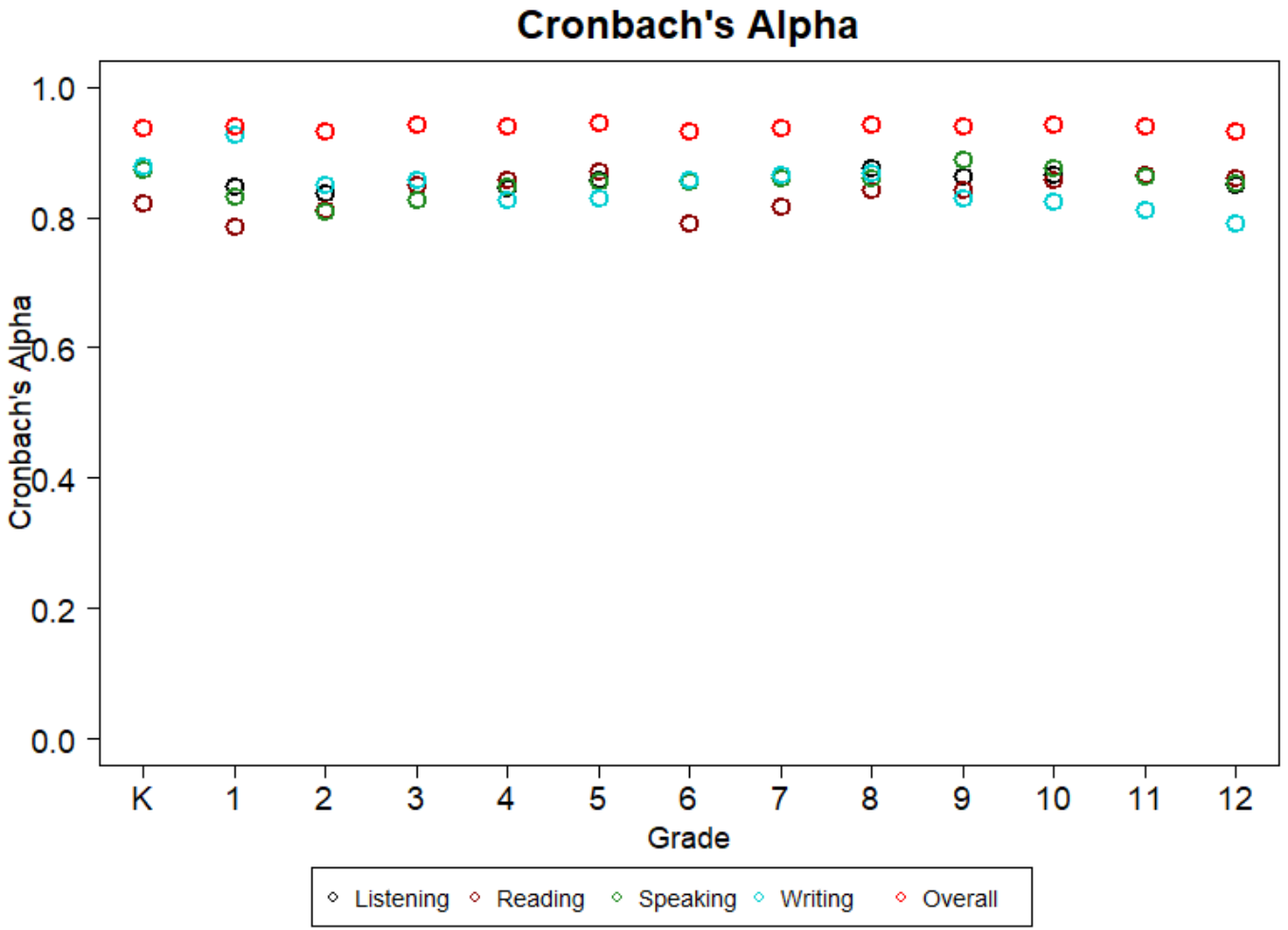
Table S7.1: Summative Testing Time

Grade/Grade Band	N	N of Items	Testing Time (Minutes)								
			Min	P10	P25	P50	P75	P90	Max	Mean	SD
K	≥41,420	65	6.3	26.9	31.1	37.3	46.0	56.8	243.4	40.3	13.7
1	≥40,700	67	3.5	27.6	31.7	37.8	46.2	56.4	181.4	40.5	12.9
2-3	≥70,780	65	2.7	37.1	45.3	56.8	72.0	91.0	424.4	61.4	23.8
4-5	≥52,370	61	3.3	39.3	48.0	60.2	77.1	97.8	390.0	65.6	26.1
6-8	≥62,540	60	6.5	52.9	68.2	90.7	121.3	160.8	914.0	101.2	49.8
9-12	≥73,300	60	2.1	47.7	64.5	88.8	121.5	162.1	1015.1	98.9	51.0

* Timing analysis is based on students who attempted all domains.

Section 8: Summative Assessment - Cronbach Alpha

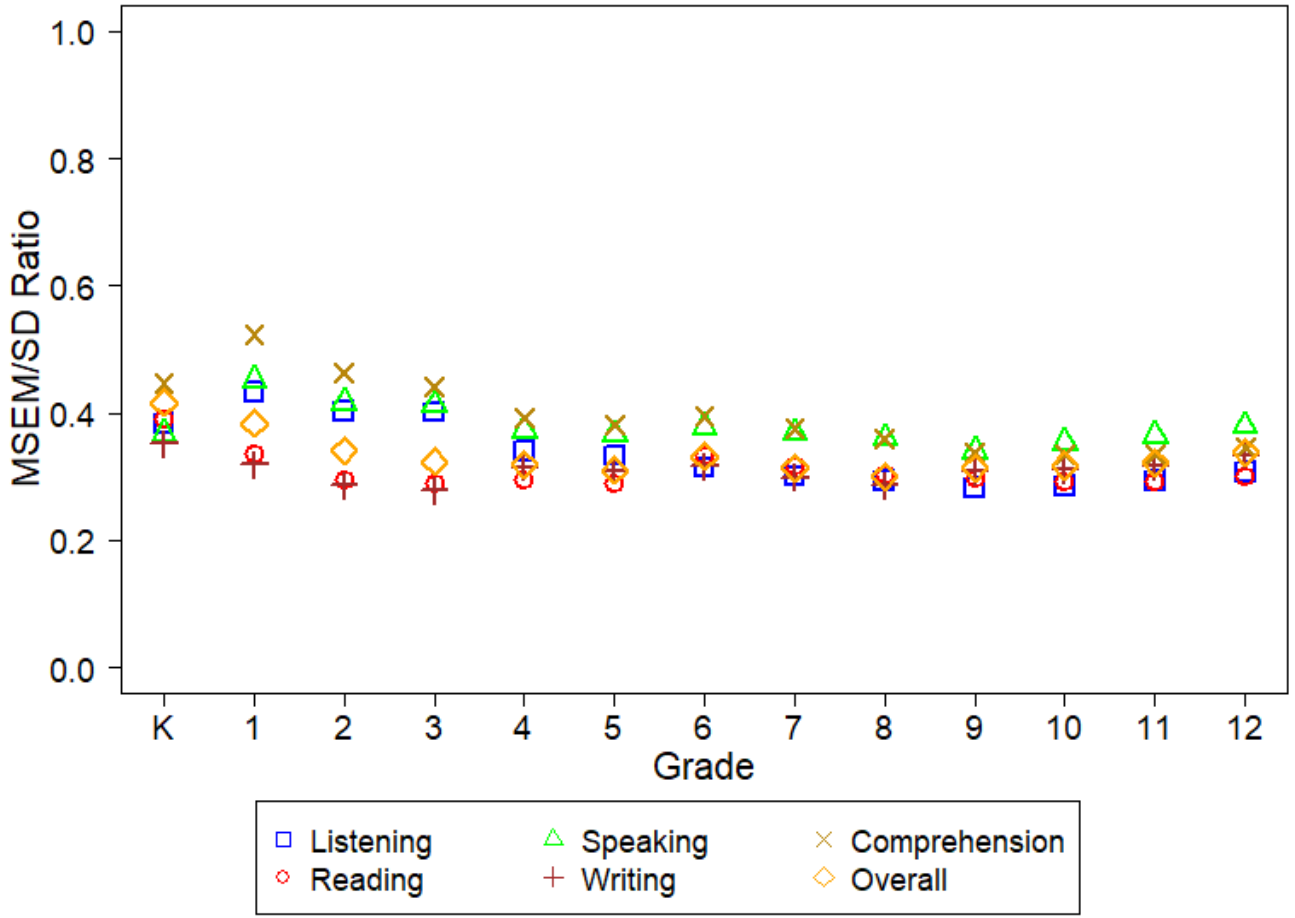
Figure S8.1: Summative Cronbach Alpha by Test by Domain



Section 9: Summative Assessment - Marginal Reliability

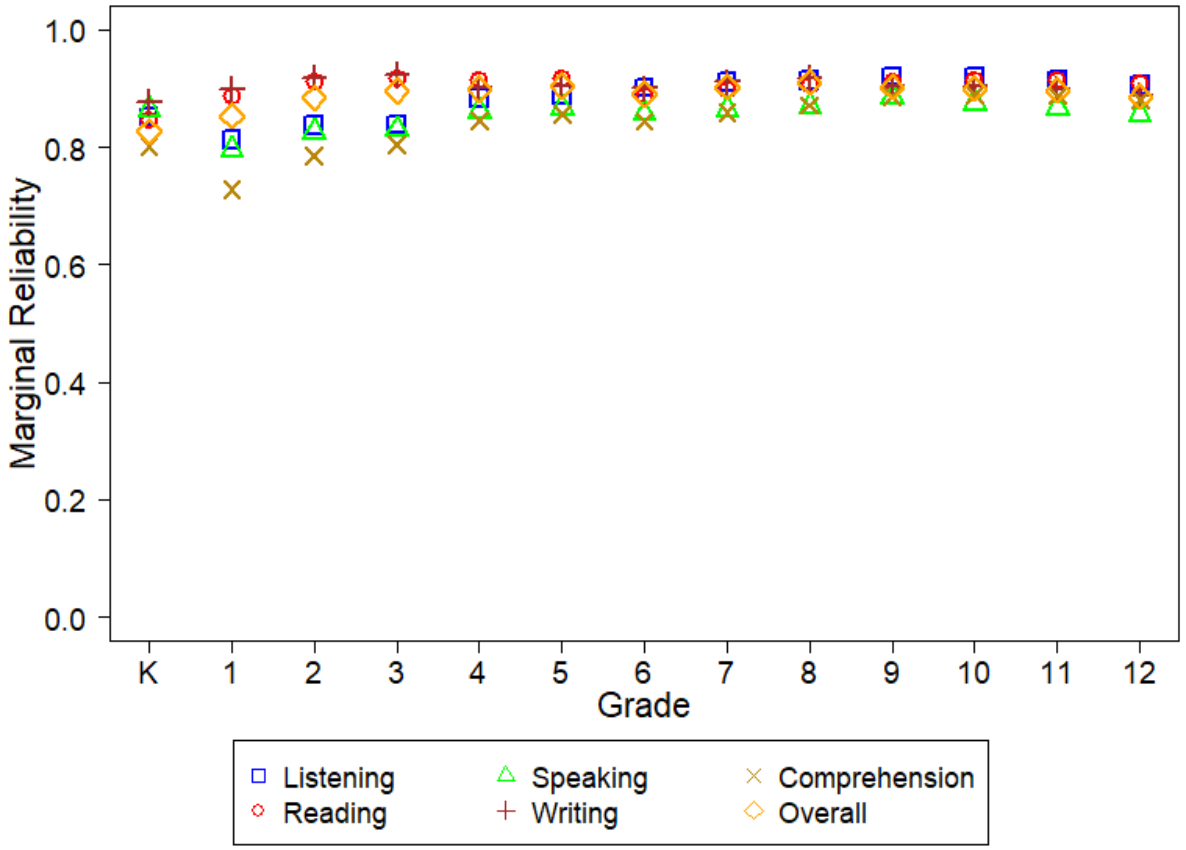
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.1: Summative Ratio of Marginal Standard Error of Measurement to Standard Deviation of Estimated Scale Scores by Grade and Domain



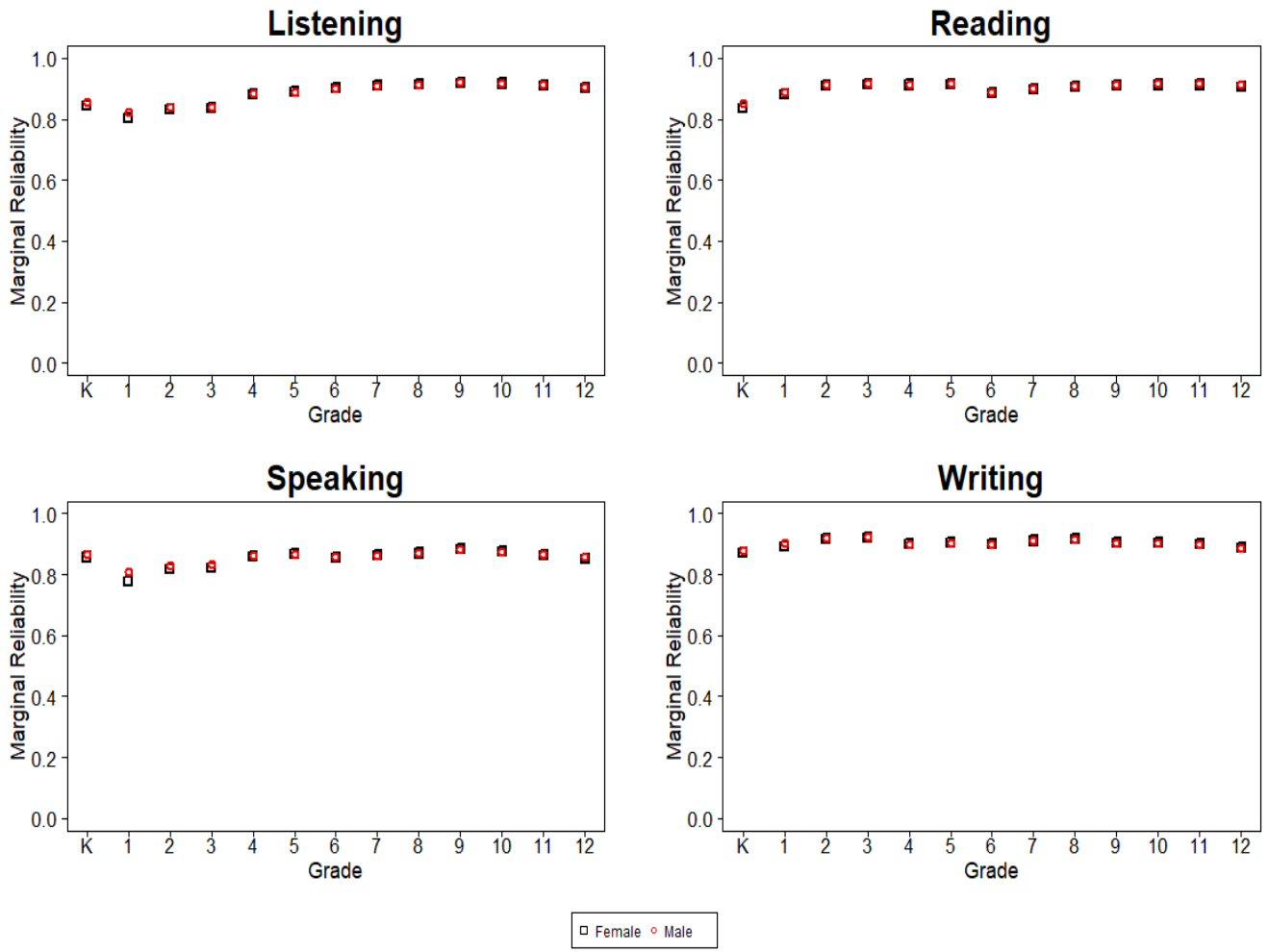
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.2: Summative Marginal Reliability by Test



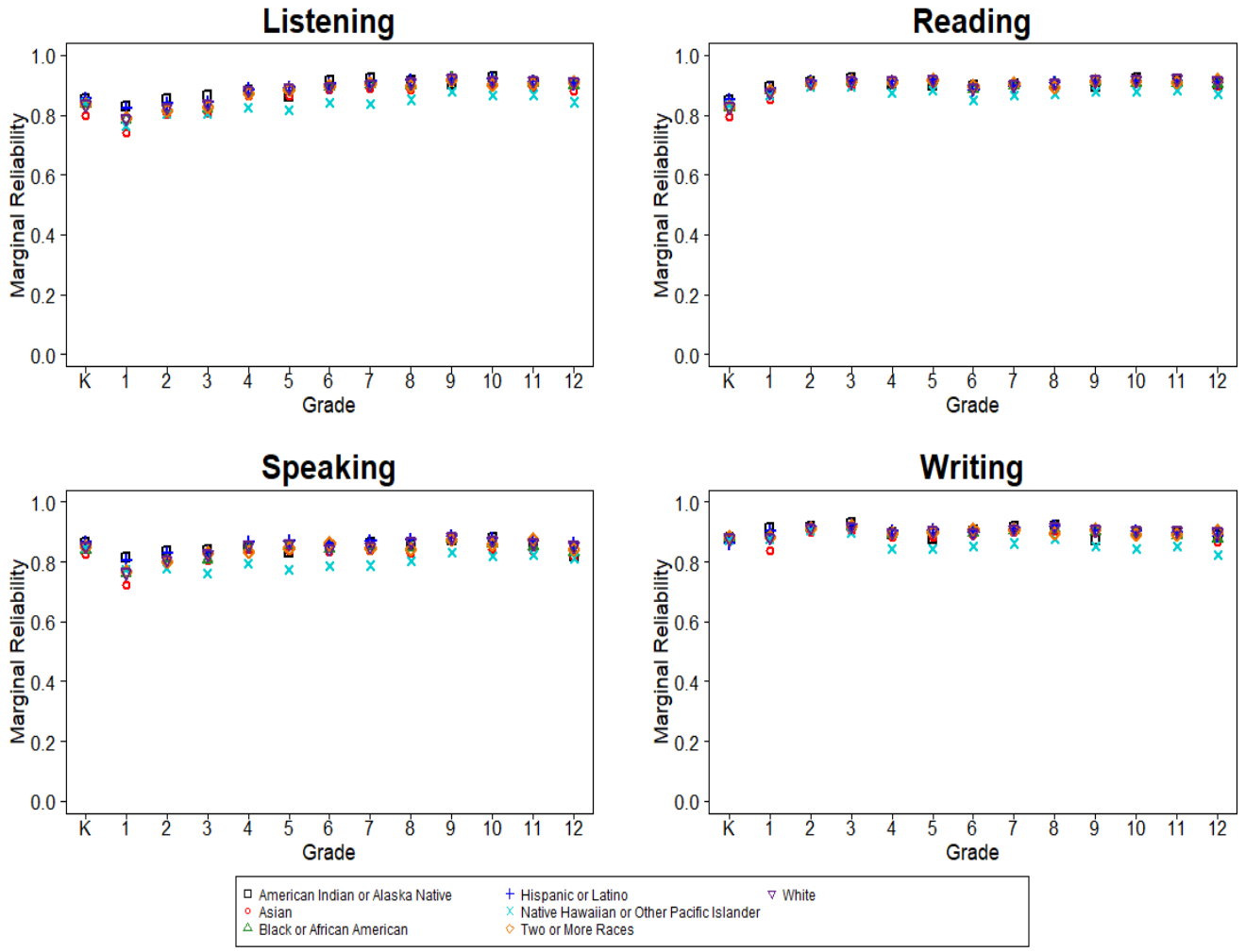
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.3: Summative Marginal Reliability by Gender



* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.4: Summative Marginal Reliability by Ethnicity



* Domain tests with Exemption or Not Attempted are excluded.

Section 10: Summative Assessment - Conditional Standard Error of Measurement (CSEM)

Figure S10.1: Summative Conditional Standard Error of Measurement for Kindergarten

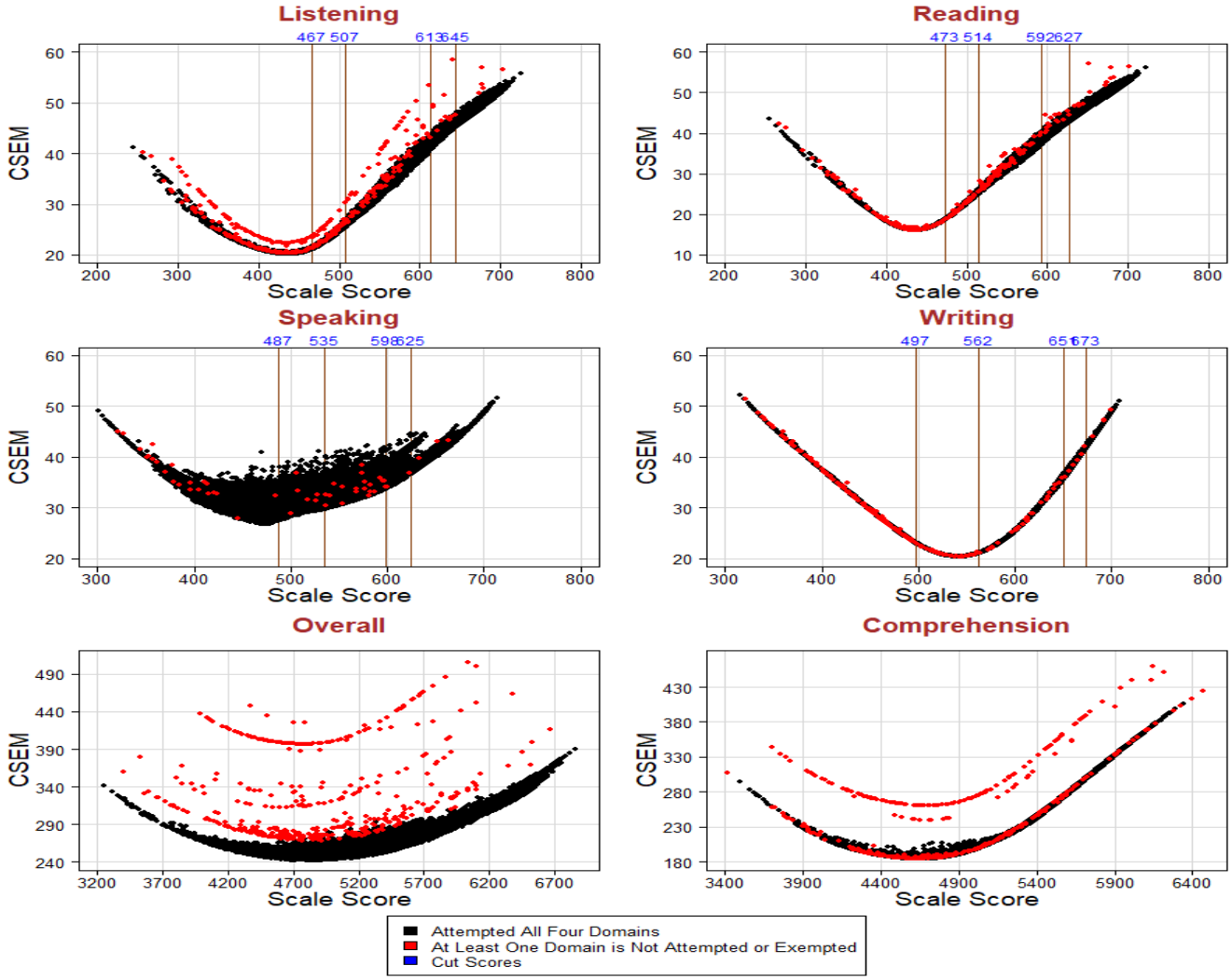


Figure S10.2: Summative Conditional Standard Error of Measurement for Grade 1

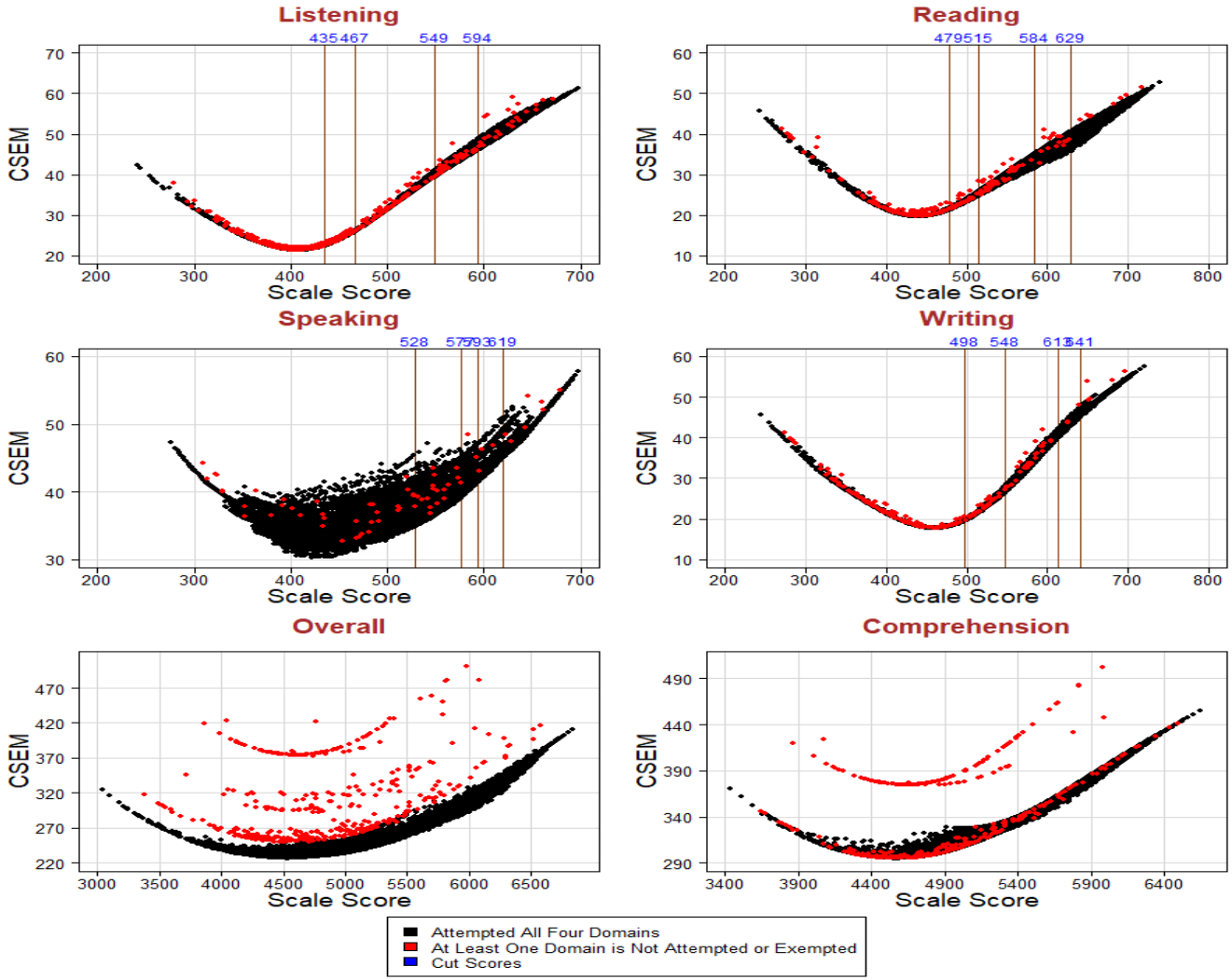


Figure S10.3: Summative Conditional Standard Error of Measurement for Grade 2

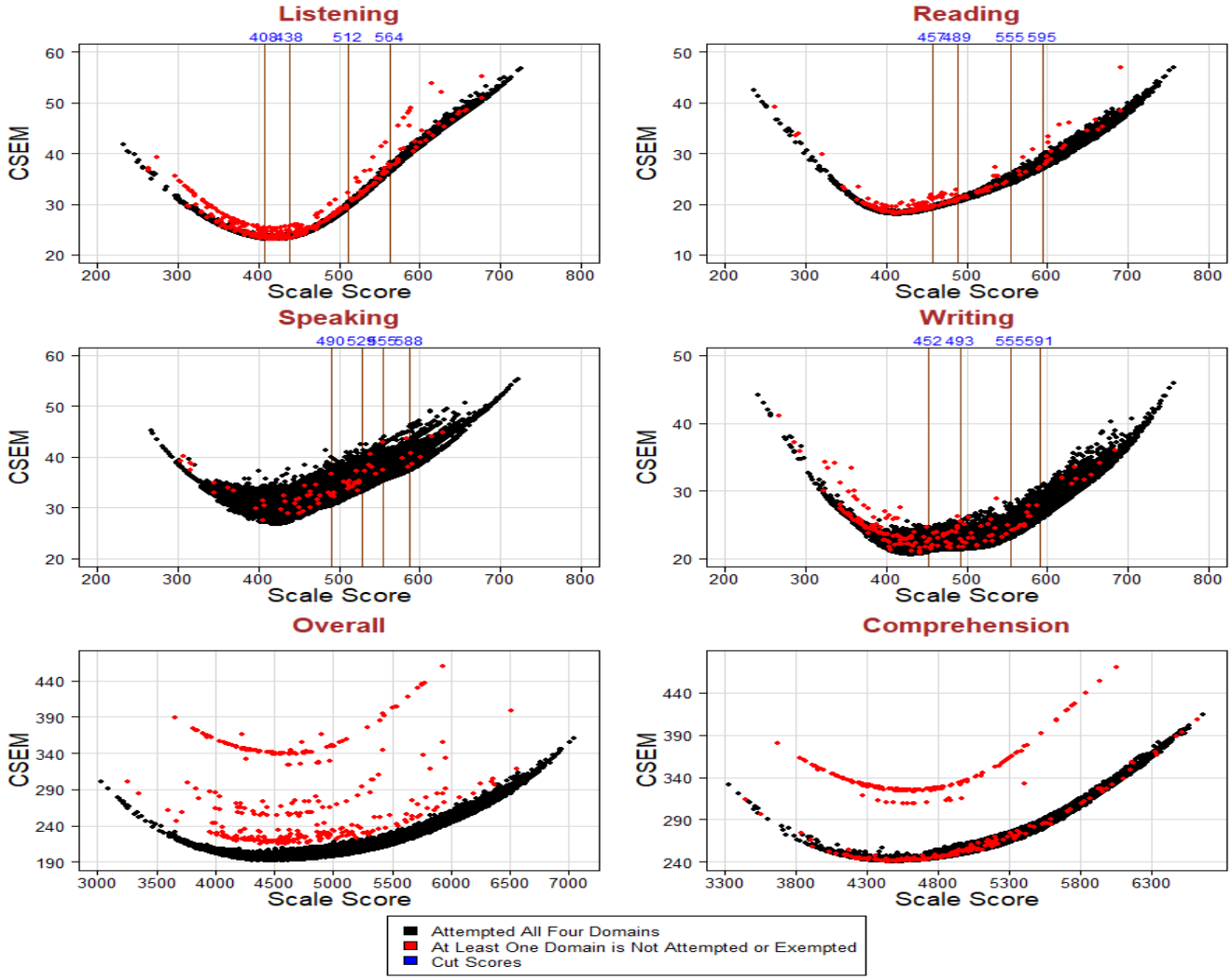


Figure S10.4: Summative Conditional Standard Error of Measurement for Grade 3

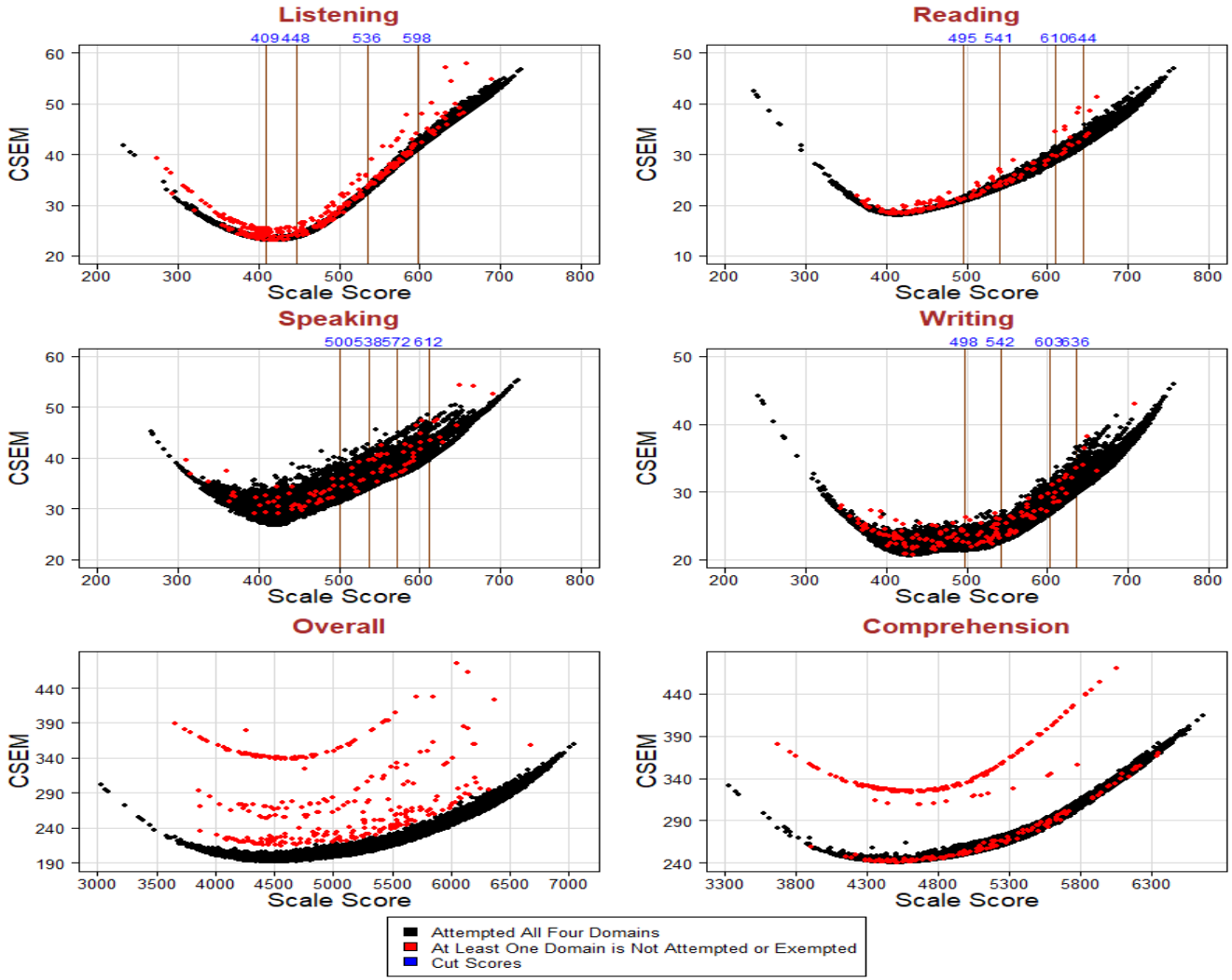


Figure S10.5: Summative Conditional Standard Error of Measurement for Grade 4

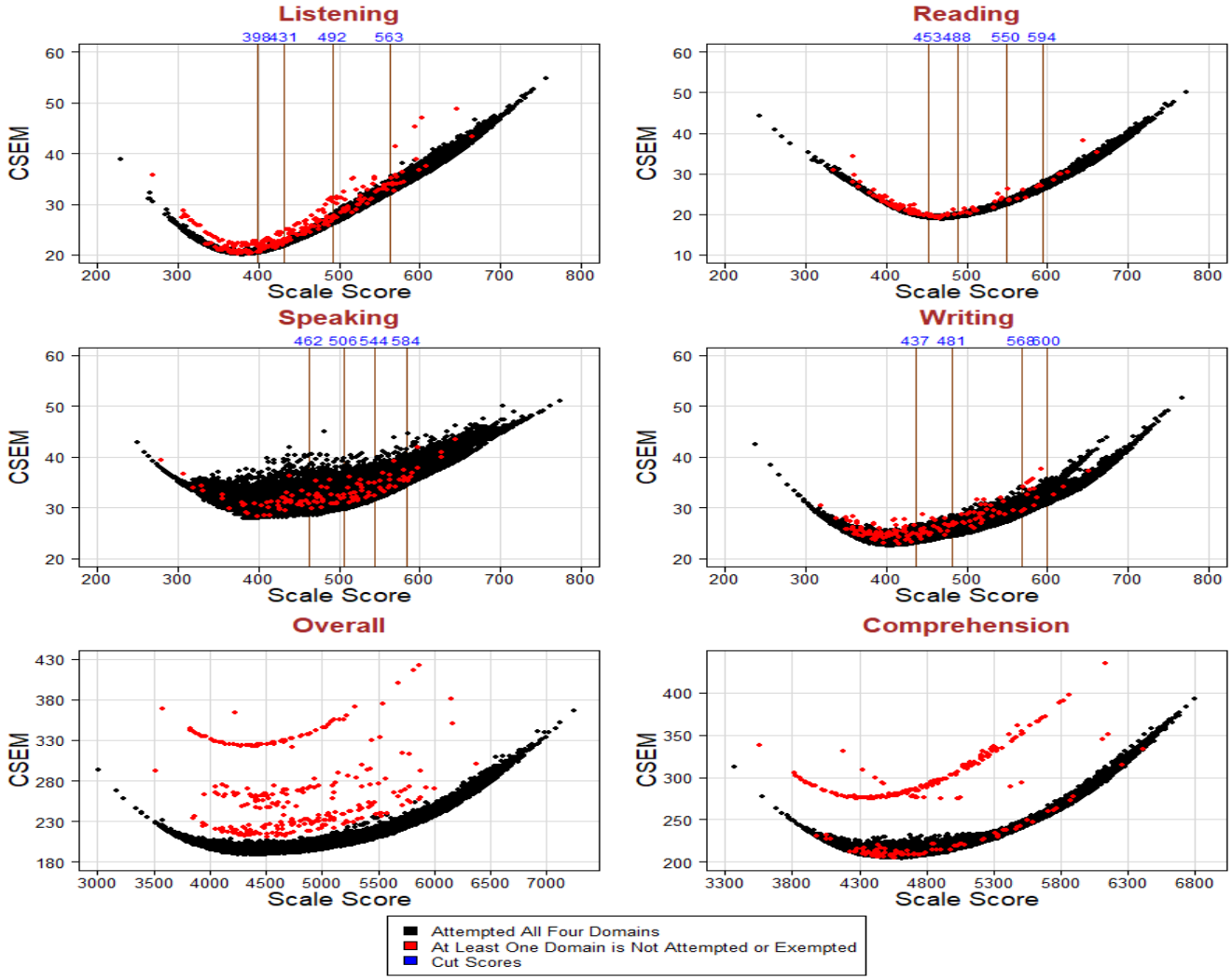


Figure S10.6: Summative Conditional Standard Error of Measurement for Grade 5

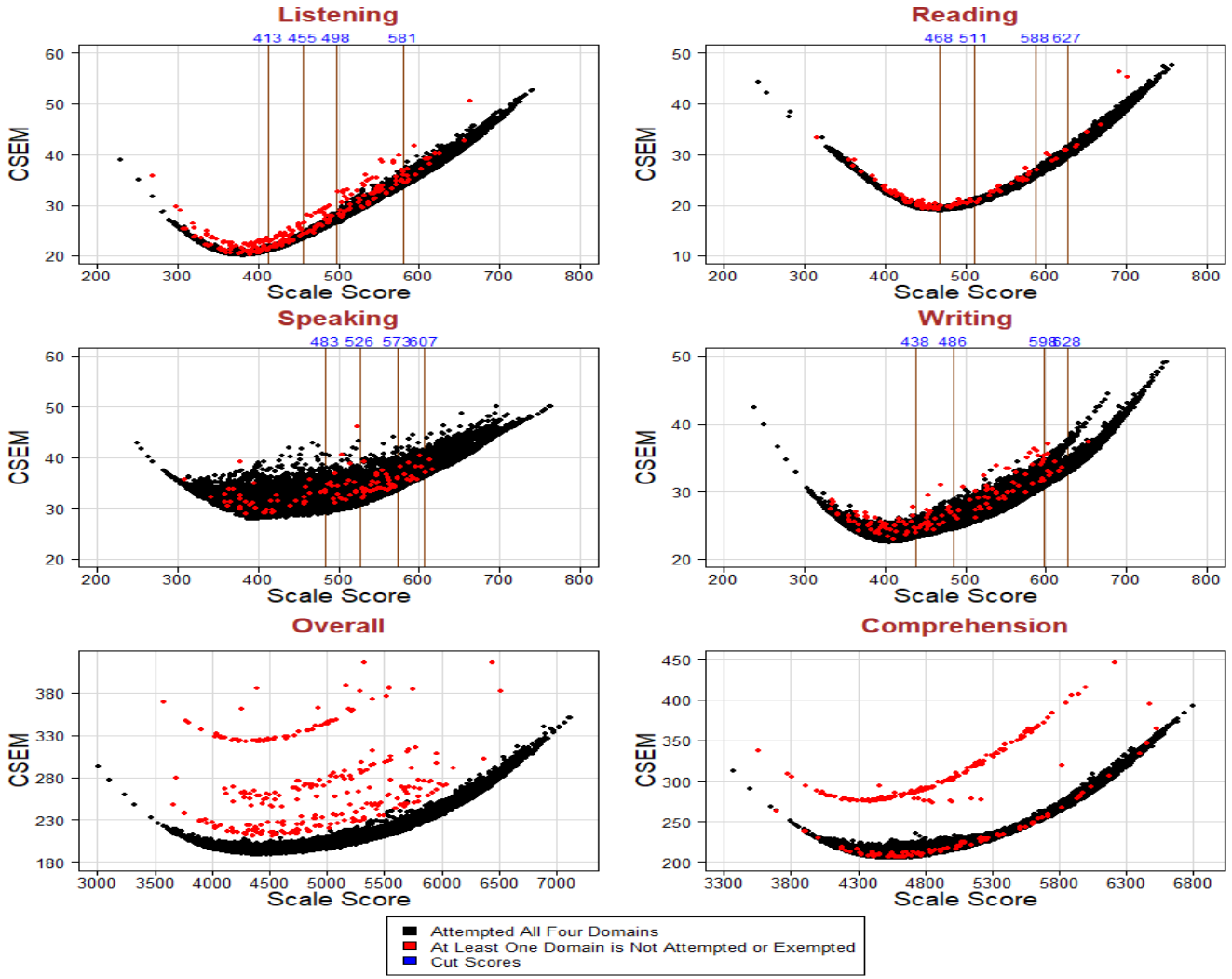


Figure S10.7: Summative Conditional Standard Error of Measurement for Grade 6

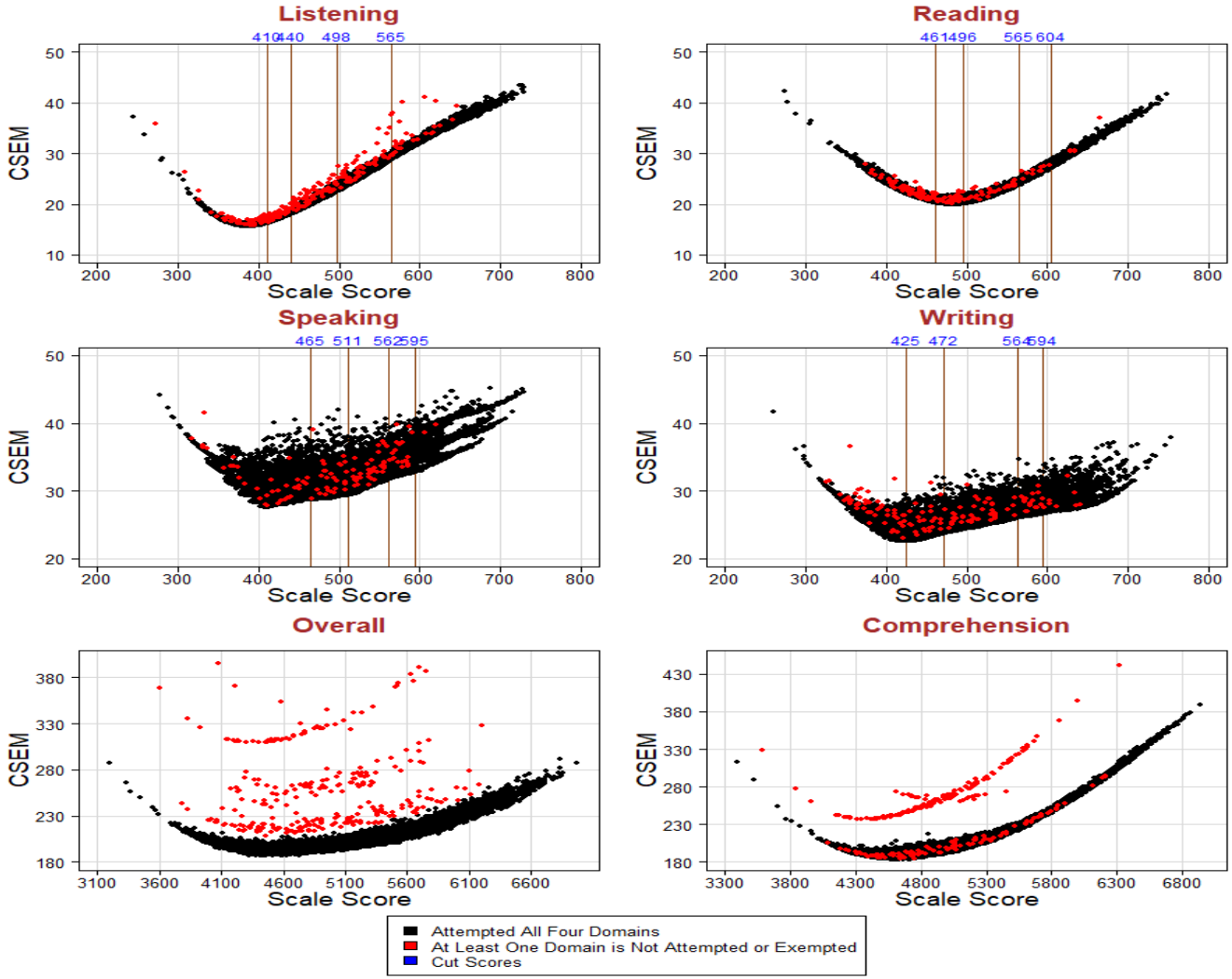


Figure S10.8: Summative Conditional Standard Error of Measurement for Grade 7

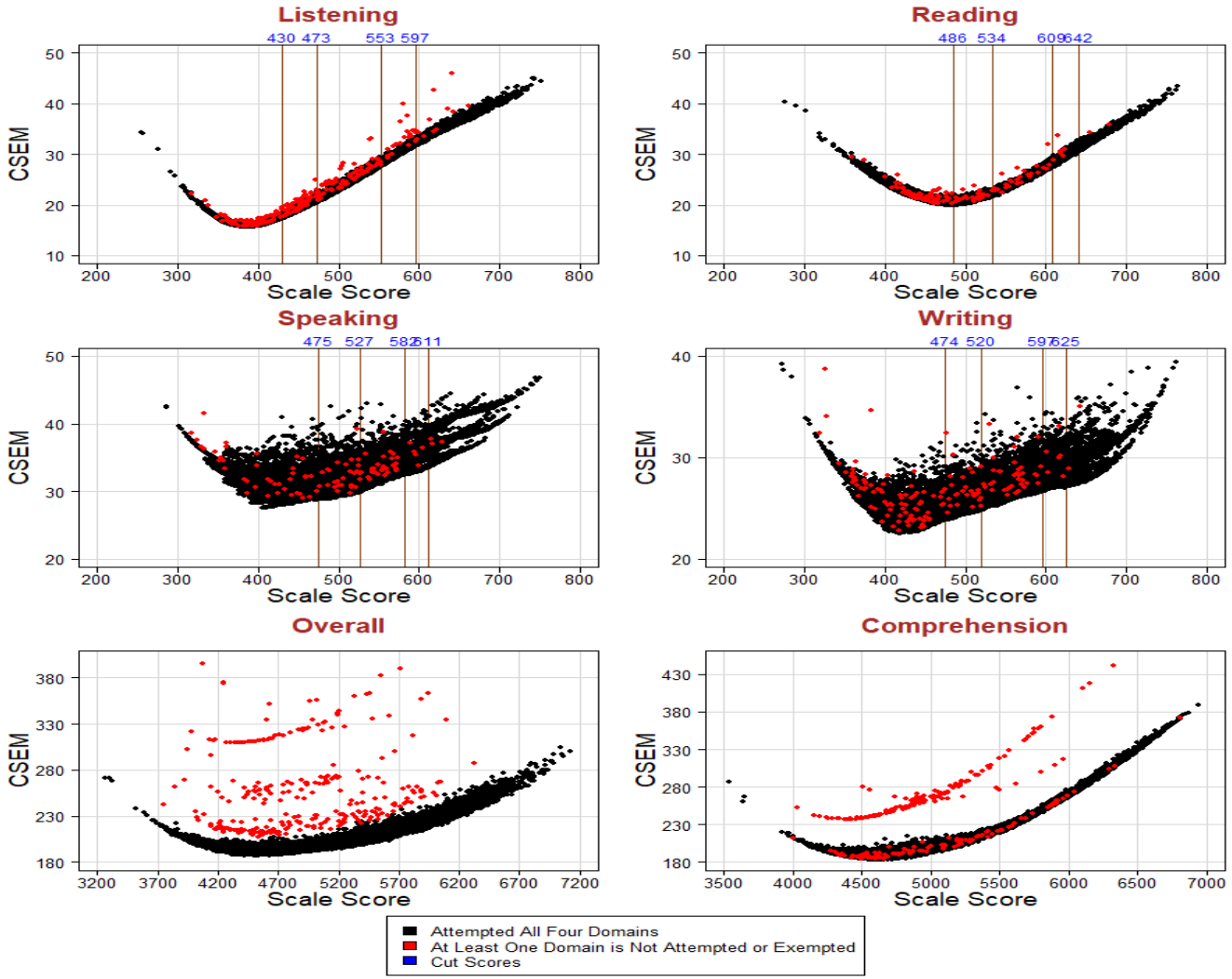


Figure S10.9: Summative Conditional Standard Error of Measurement for Grade 8

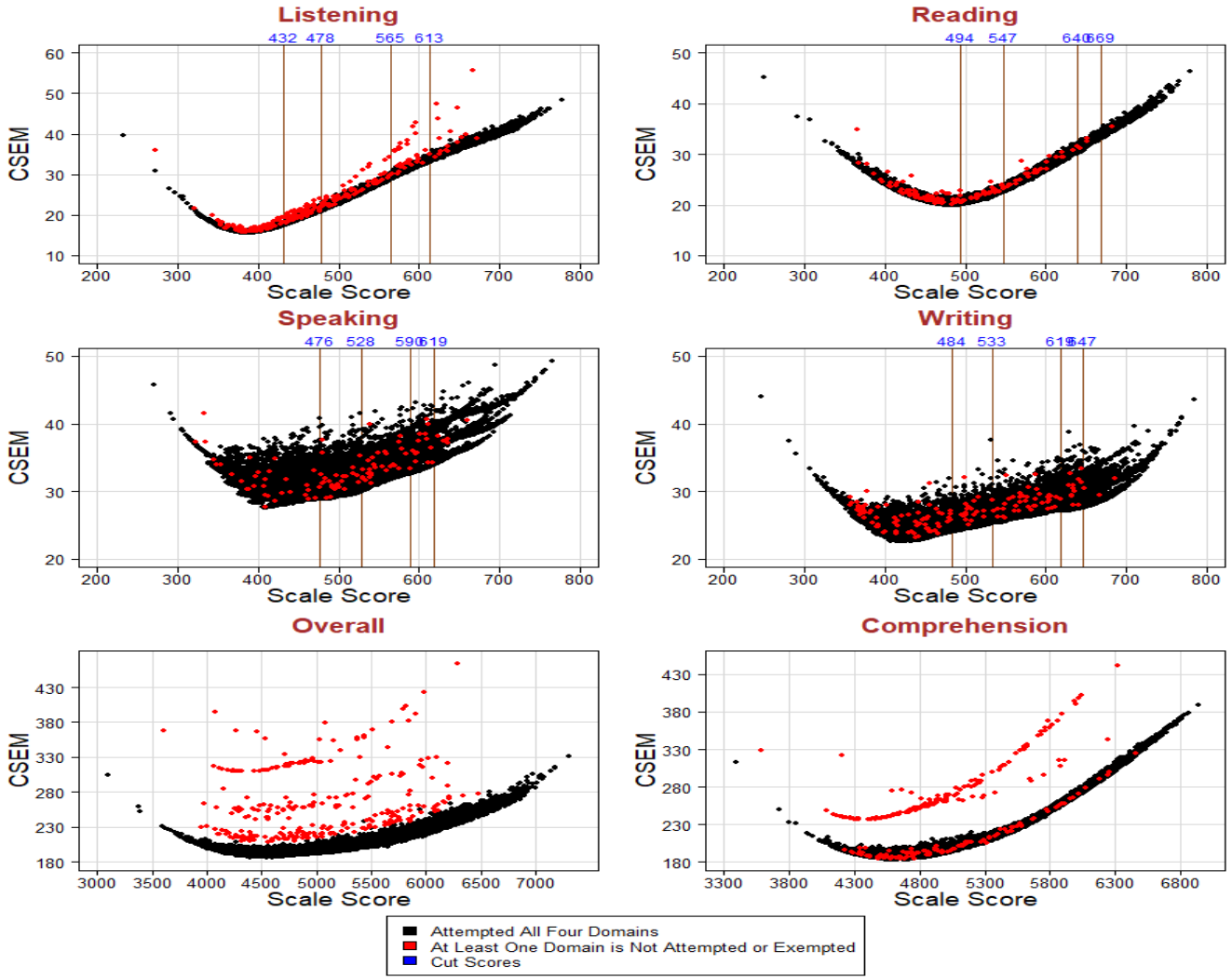


Figure S10.10: Summative Conditional Standard Error of Measurement for Grade 9

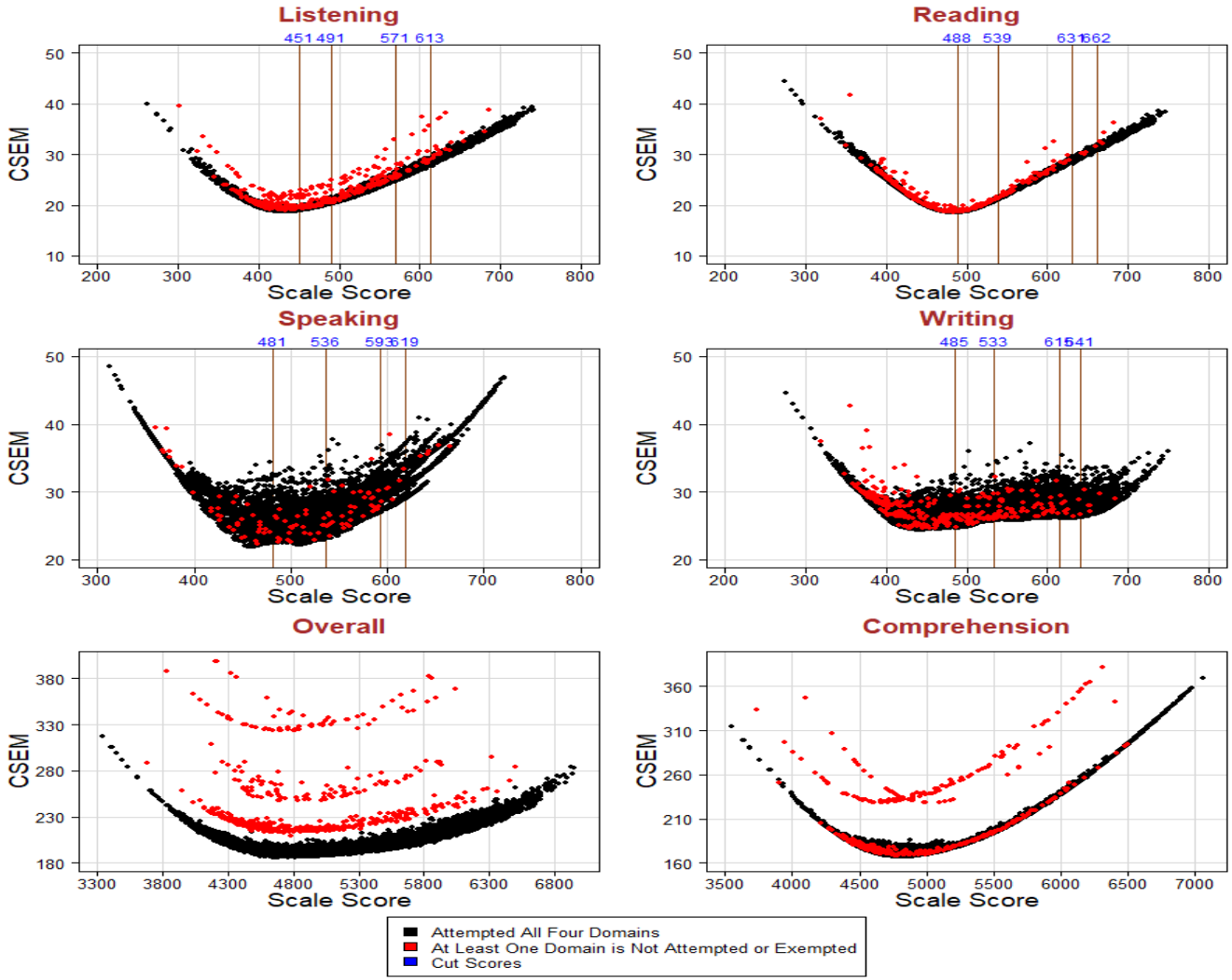


Figure S10.11: Summative Conditional Standard Error of Measurement for Grade 10

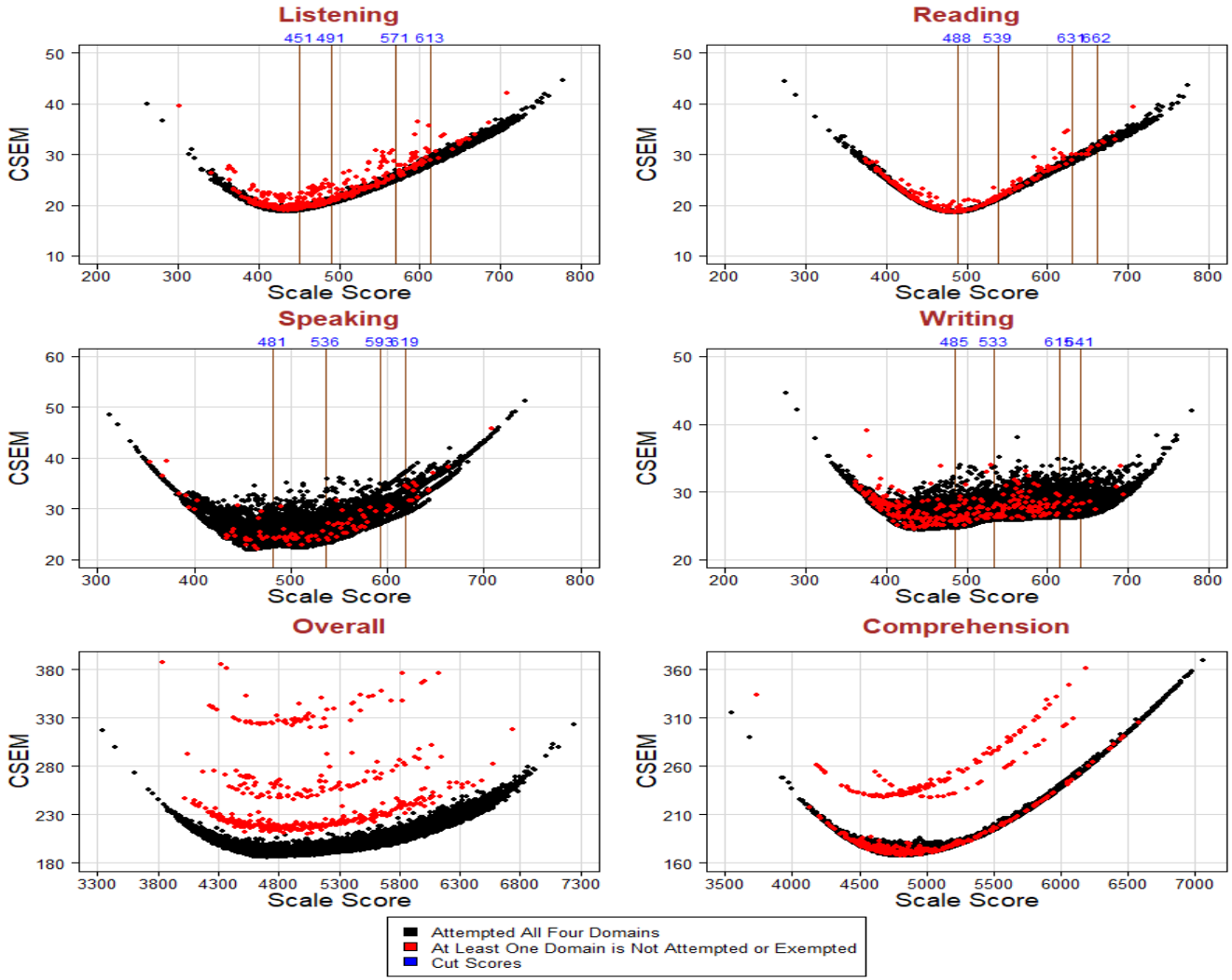


Figure S10.12: Summative Conditional Standard Error of Measurement for Grade 11

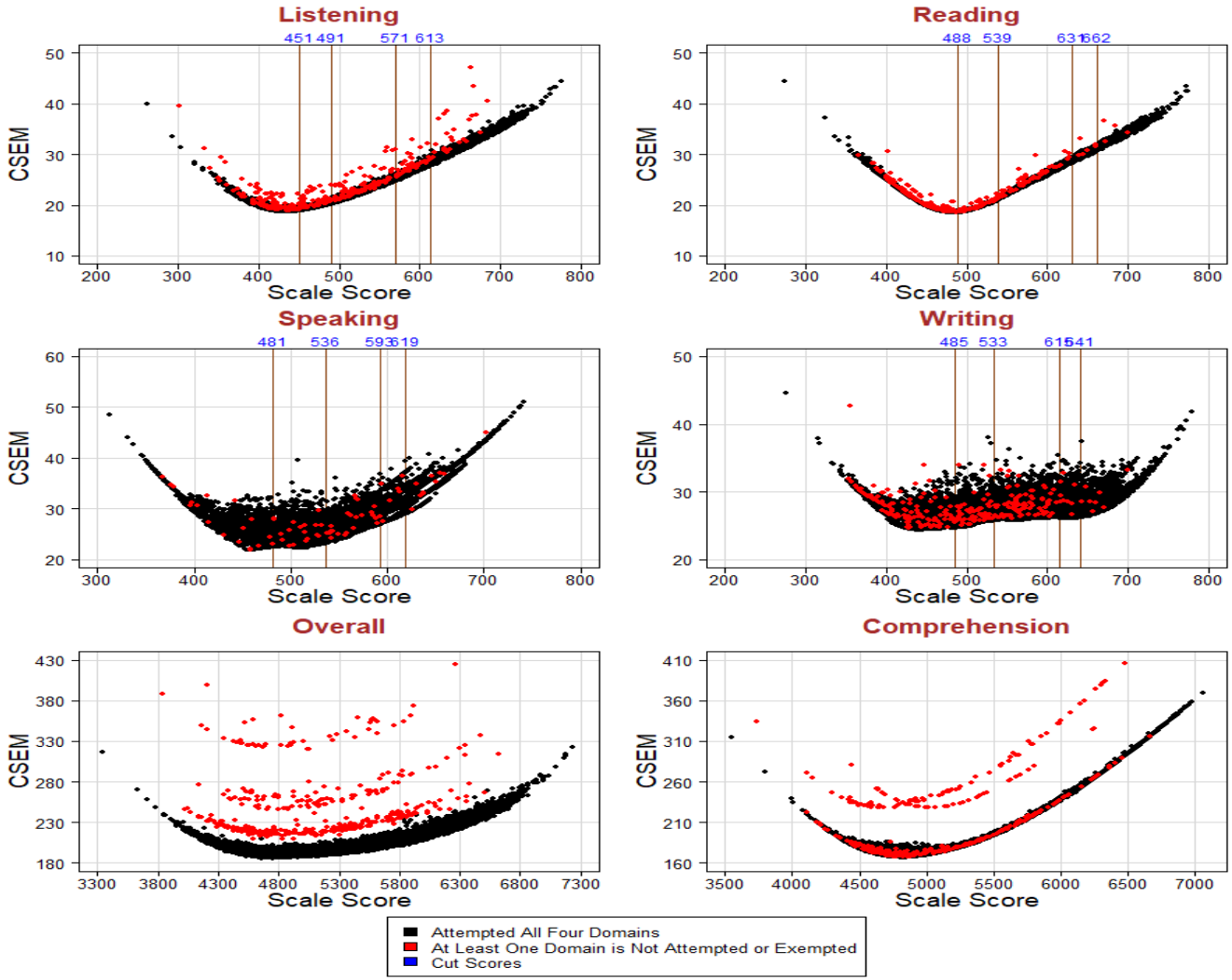
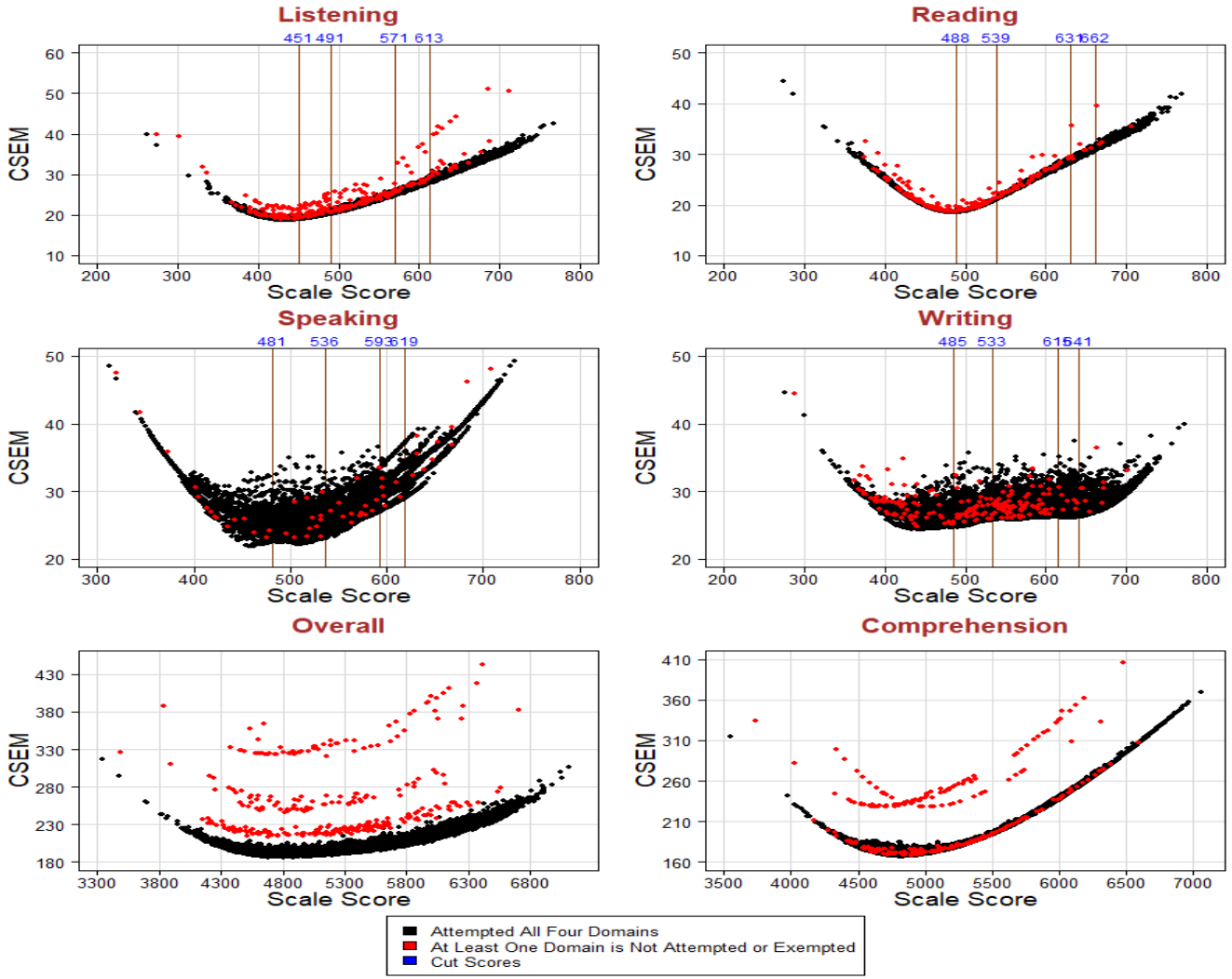


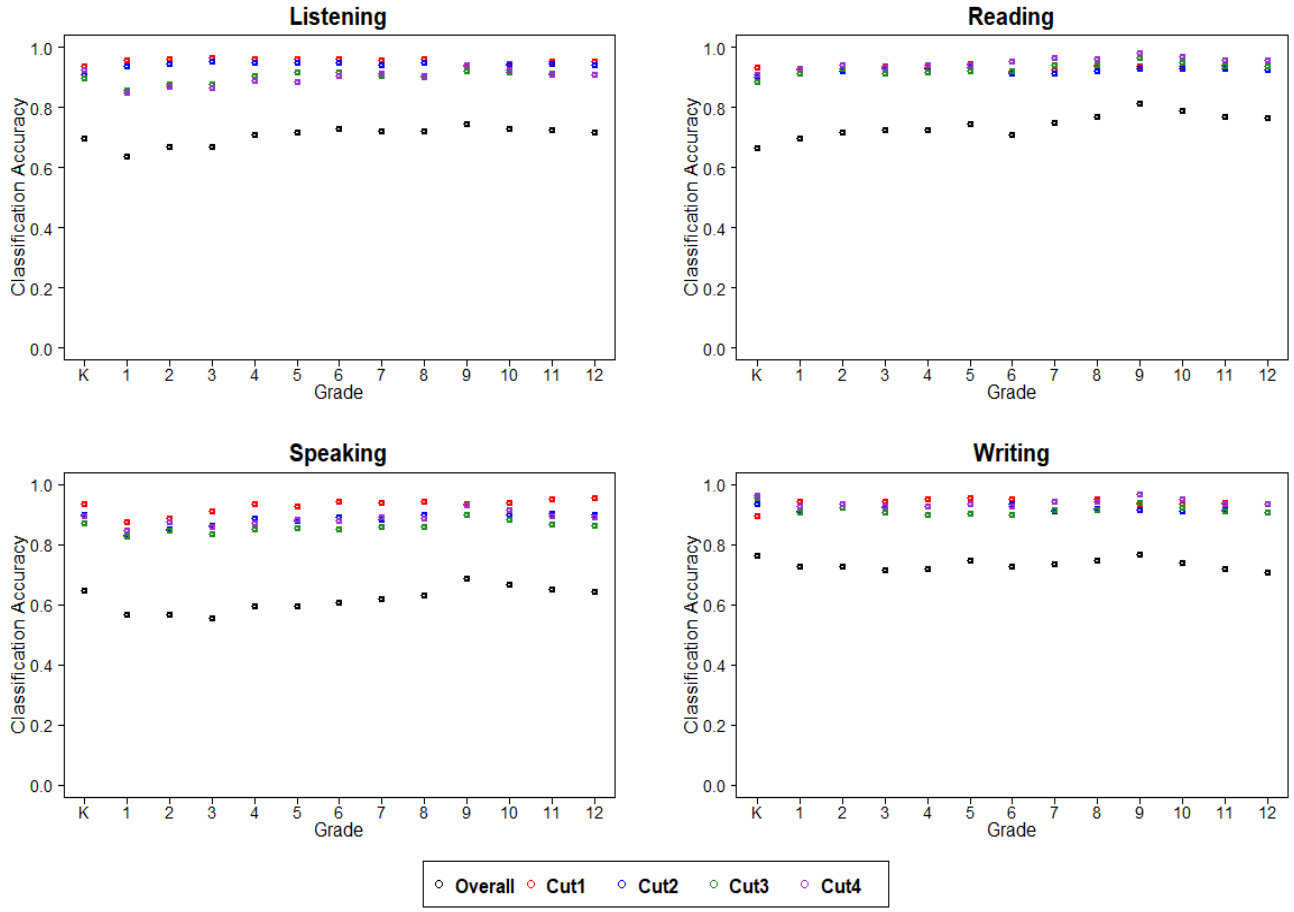
Figure S10.13: Summative Conditional Standard Error of Measurement for Grade 12



Section 11: Summative Assessment - Classification Accuracy and Classification Consistency

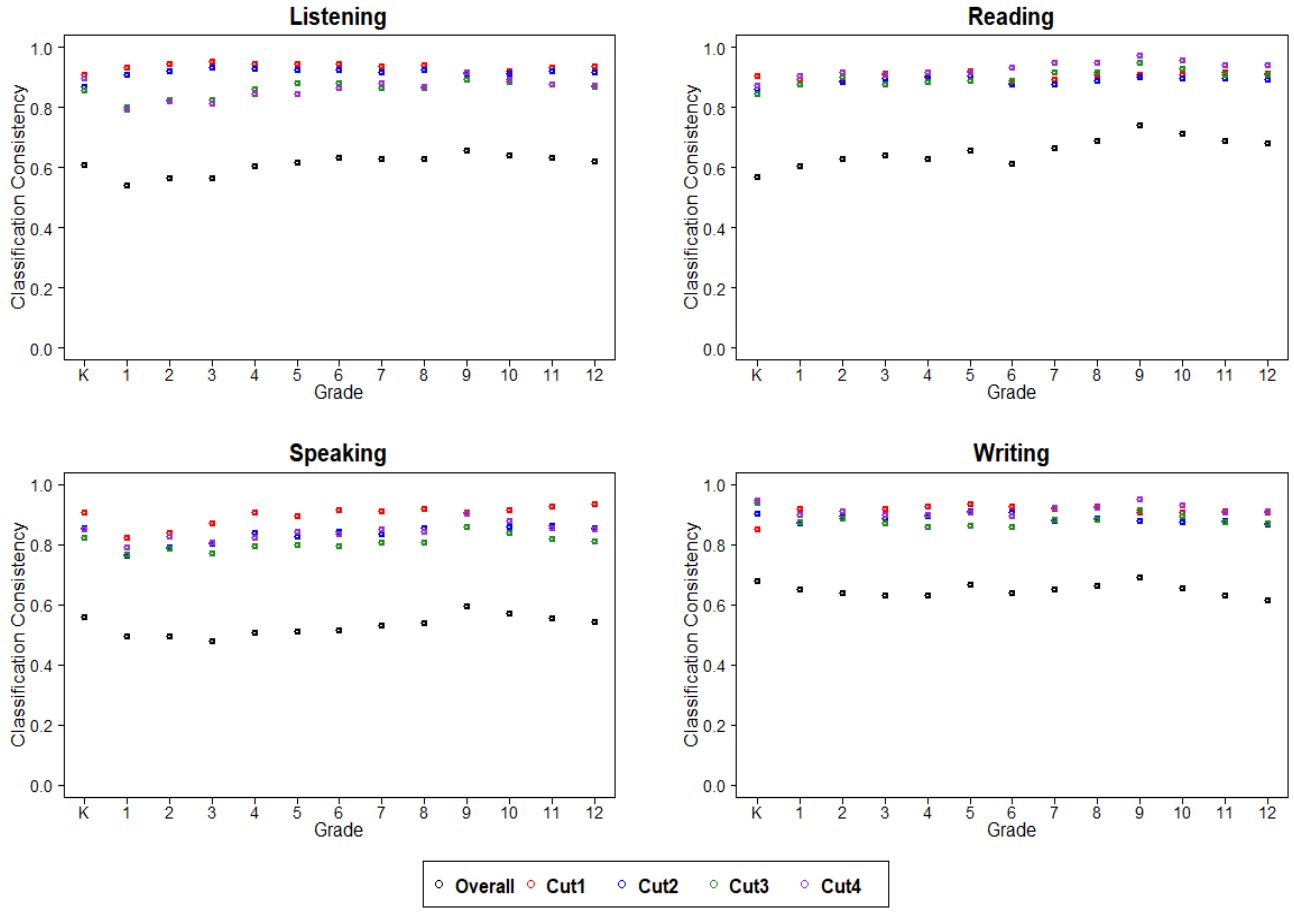
* Domain tests with Exemption or Not Attempted are excluded.

Figure S11.1: Summative Domain Level Classification Accuracy



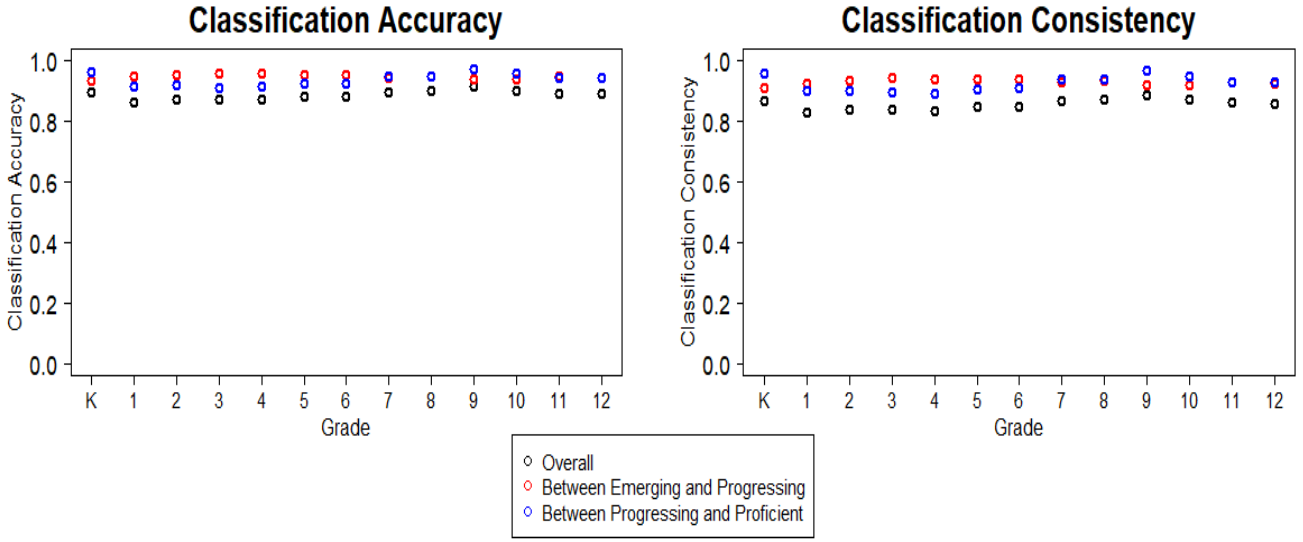
* Cuts 1 to 4 fall between performance levels 1 and 2, 2 and 3, 3 and 4, 4 and 5, respectively. Overall refers to classification with levels 1-5.

Figure S11.2: Summative Domain Level Classification Consistency



* Cuts 1 to 4 fall between performance levels 1 and 2, 2 and 3, 3 and 4, 4 and 5, respectively. Overall refers to classification with levels 1-5.

Figure S11.3: Summative Overall Proficiency Classification



Section 12: Summative Assessment - Inter-Rater Analysis

Table S12.1: Summative Inter-Rater Result - Kindergarten

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**4216**	2	≥41,280	≥8,110	19.7	.839	≥7,000	≥7,870	≥240	86.3	97.0	3.0
	4220	2	≥41,180	≥8,120	19.7	.890	≥7,450	≥8,000	≥110	91.7	98.5	1.5
	4222	2	≥41,070	≥8,080	19.7	.805	≥6,400	≥7,910	≥170	79.2	97.8	2.2
	4224	2	≥40,740	≥7,430	18.3	.747	≥5,300	≥7,320	≥110	71.3	98.5	1.5
	4226	2	≥40,920	≥7,900	19.3	.808	≥6,500	≥7,650	≥240	82.4	96.9	3.1
	6564	3	≥41,090	≥6,590	16.1	.797	≥4,140	≥6,460	≥130	62.8	97.9	2.1
	6577	3	≥41,210	≥6,960	16.9	.778	≥4,240	≥6,770	≥180	60.9	97.4	2.6

* FR: First rater; SR: Second rater.

Table S12.2: Summative Inter-Rater Result - Grade 1

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**578**	2	≥40,700	≥10,000	24.6	.859	≥9,260	≥9,880	≥110	92.6	98.8	1.2
	580	2	≥40,600	≥9,130	22.5	.767	≥7,580	≥9,040	≥80	83.0	99.1	0.9
	582	2	≥40,600	≥9,420	23.2	.845	≥8,680	≥9,320	≥90	92.2	99.0	1.0
	584	2	≥40,530	≥8,930	22.0	.773	≥7,460	≥8,790	≥130	83.5	98.5	1.5
	704	3	≥40,610	≥9,420	23.2	.919	≥8,130	≥9,330	≥90	86.3	99.0	1.0
	6583	4	≥40,550	≥9,090	22.4	.880	≥6,880	≥8,830	≥250	75.7	97.2	2.8

* FR: First rater; SR: Second rater.

Table S12.3: Summative Inter-Rater Result - Grade Band 2-3

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**1340**	2	≥70,830	≥14,430	20.4	.657	≥11,020	≥14,180	≥250	76.3	98.3	1.7
	1342	2	≥70,640	≥14,390	20.4	.788	≥12,010	≥14,170	≥210	83.5	98.5	1.5
	1344	2	≥70,700	≥14,390	20.4	.716	≥11,770	≥14,140	≥250	81.8	98.3	1.7
	1346	2	≥70,590	≥14,400	20.4	.727	≥11,640	≥14,040	≥360	80.8	97.5	2.5
	1396	3	≥70,700	≥11,520	16.3	.802	≥7,750	≥11,290	≥220	67.3	98.0	2.0
	1454	4	≥70,650	≥11,650	16.5	.844	≥7,460	≥11,040	≥600	64.1	94.8	5.2
Writing	**1504**	3	≥70,580	≥13,020	18.5	.844	≥9,090	≥12,610	≥400	69.8	96.9	3.1
	1462	4	≥70,120	≥13,500	19.3	.770	≥7,700	≥12,430	≥1,070	57.1	92.1	7.9
	1588	4	≥70,370	≥13,580	19.3	.841	≥8,120	≥12,960	≥610	59.8	95.5	4.5

* FR: First rater; SR: Second rater.

Table S12.4: Summative Inter-Rater Result - Grade Band 4-5

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**2112**	3	≥52,520	≥9,720	18.5	.796	≥6,790	≥9,550	≥170	69.9	98.2	1.8
	2190	3	≥52,360	≥10,470	20.0	.839	≥7,370	≥10,170	≥300	70.4	97.1	2.9
	2192	3	≥52,330	≥9,940	19.0	.723	≥6,520	≥9,370	≥570	65.6	94.2	5.8
	2194	3	≥52,310	≥8,980	17.2	.708	≥5,410	≥8,690	≥280	60.3	96.8	3.2
	2094	5	≥52,410	≥8,930	17.0	.732	≥4,750	≥8,000	≥930	53.3	89.6	10.4
	2096	5	≥52,430	≥8,990	17.2	.794	≥4,830	≥8,320	≥670	53.7	92.5	7.5
Writing	**2338**	4	≥52,300	≥9,750	18.7	.774	≥5,220	≥9,200	≥550	53.5	94.3	5.7

* FR: First rater; SR: Second rater.

Table S12.5: Summative Inter-Rater Result - Grade Band 6-8

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**2688**	3	≥62,630	≥9,950	15.9	.785	≥7,340	≥9,620	≥330	73.8	96.7	3.3
	2690	3	≥62,480	≥9,920	15.9	.801	≥7,110	≥9,590	≥320	71.7	96.7	3.3
	2692	3	≥62,390	≥10,210	16.4	.814	≥7,320	≥9,940	≥260	71.7	97.4	2.6
	2650	5	≥62,500	≥9,930	15.9	.839	≥5,980	≥9,220	≥710	60.2	92.8	7.2
	2652	5	≥62,400	≥9,900	15.9	.805	≥6,160	≥9,260	≥640	62.2	93.5	6.5
Writing	**2780**	3	≥62,430	≥9,980	16.0	.812	≥6,470	≥9,750	≥220	64.8	97.7	2.3
	2756	5	≥62,360	≥9,590	15.4	.842	≥5,600	≥9,180	≥410	58.4	95.7	4.3
	2790	5	≥62,580	≥9,660	15.4	.849	≥6,020	≥9,290	≥360	62.3	96.2	3.8

* FR: First rater; SR: Second rater.

Table S12.6: Summative Inter-Rater Result - Grade Band 9-12

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	Agreement Counts (n)			Agreement Percent (%)		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	**3394**	3	≥72,910	≥12,400	17.0	.866	≥9,260	≥12,100	≥290	74.7	97.6	2.4
	3396	3	≥72,640	≥12,670	17.4	.823	≥8,640	≥12,280	≥380	68.2	97.0	3.0
	3398	3	≥72,610	≥12,070	16.6	.822	≥8,230	≥11,820	≥250	68.2	97.9	2.1
	3348	5	≥72,790	≥12,140	16.7	.830	≥6,730	≥11,120	≥1,020	55.5	91.6	8.4
	3350	5	≥72,400	≥12,050	16.6	.888	≥7,860	≥11,440	≥600	65.2	95.0	5.0
Writing	**3492**	3	≥72,760	≥12,410	17.1	.786	≥8,220	≥12,200	≥210	66.2	98.3	1.7
	3452	5	≥72,560	≥12,060	16.6	.853	≥7,160	≥11,570	≥480	59.4	96.0	4.0
	3500	5	≥73,250	≥11,920	16.3	.855	≥6,930	≥11,460	≥460	58.1	96.1	3.9

* FR: First rater; SR: Second rater.

Section 13: Summative Assessment - Dimensionality

Figure S13.1: Summative Validity - Dimensionality for Kindergarten

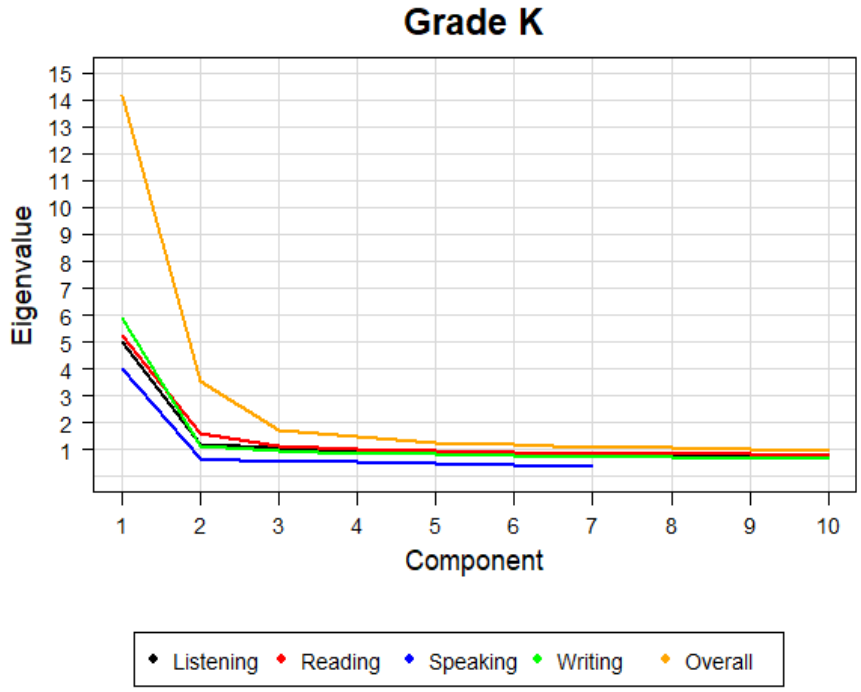


Figure S13.2: Summative Validity - Dimensionality for Grade 1

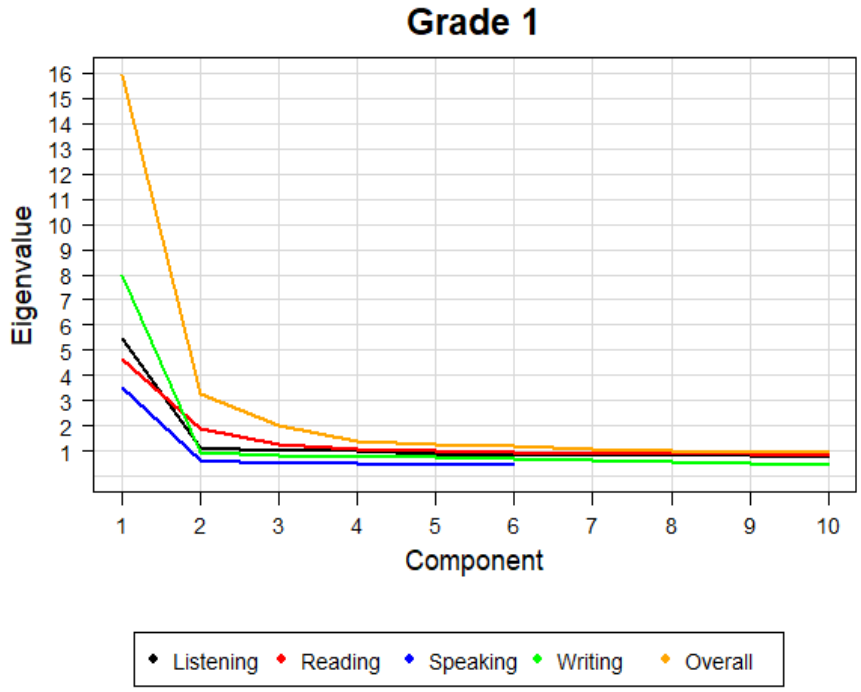


Figure S13.3: Summative Validity - Dimensionality for Grade Band 2-3

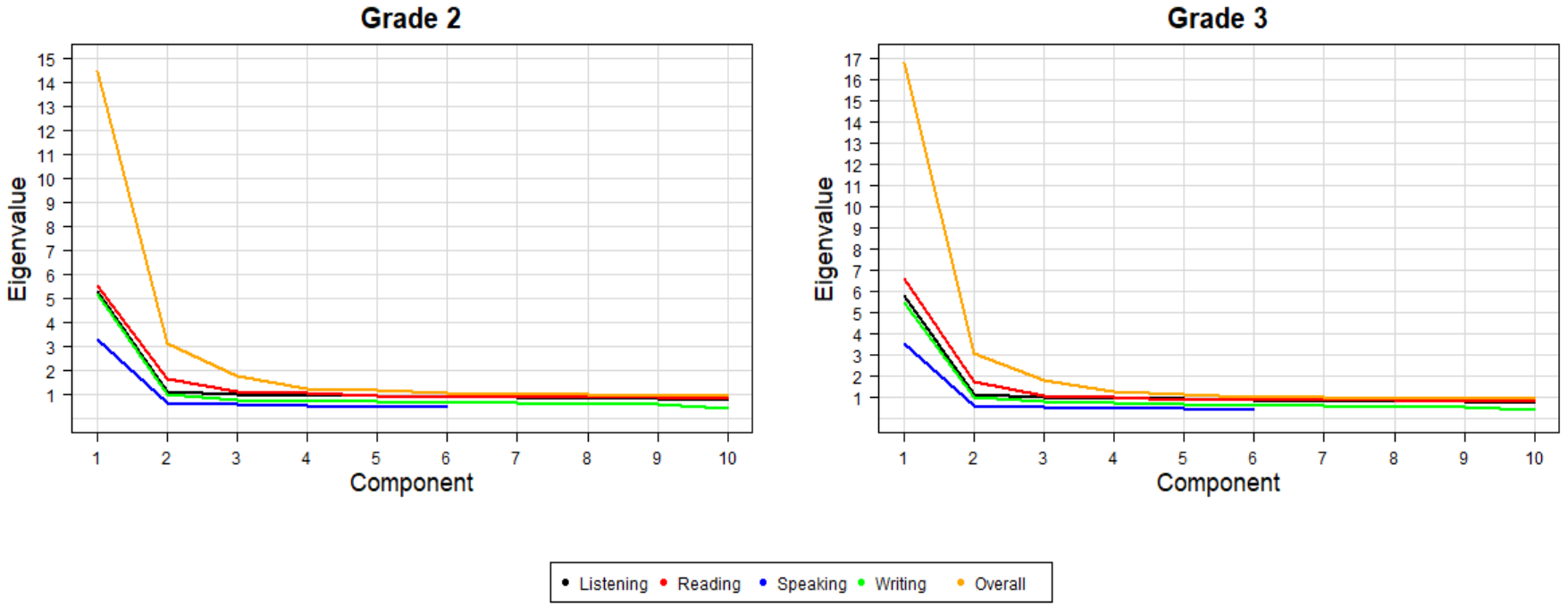


Figure S13.4: Summative Validity - Dimensionality for Grade Band 4-5

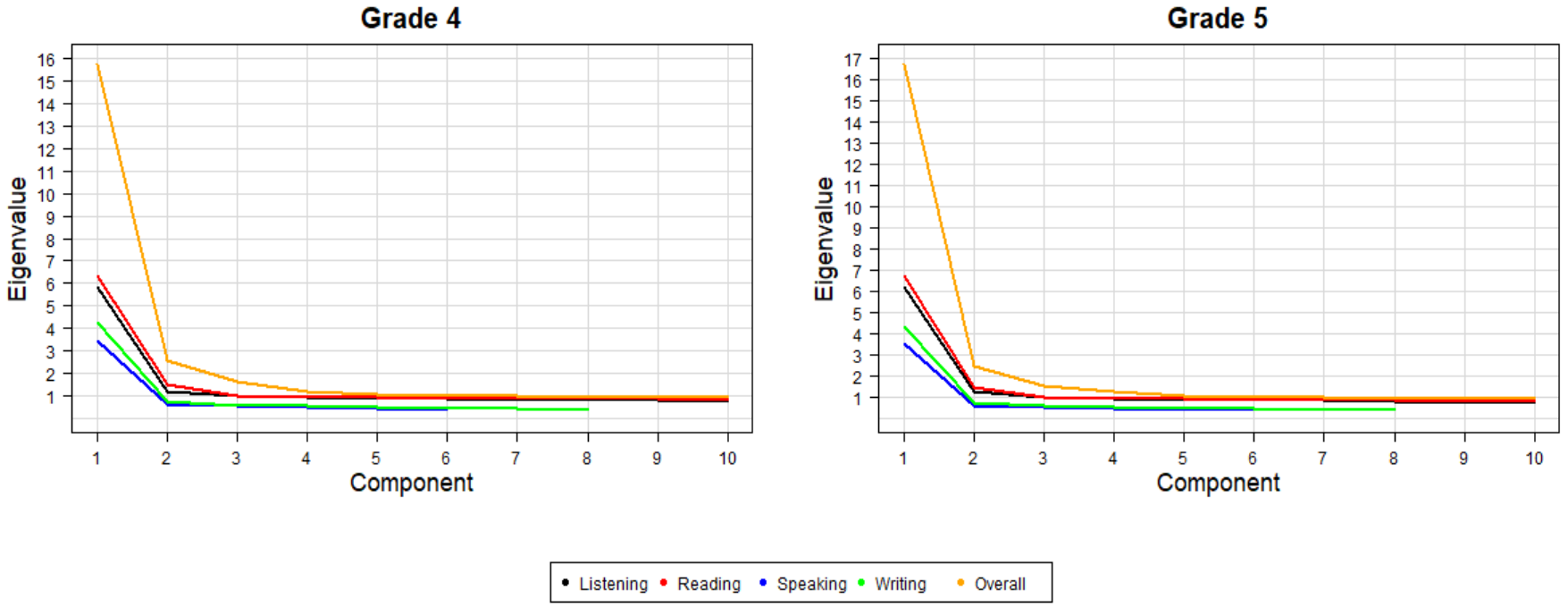


Figure S13.5: Summative Validity - Dimensionality for Grade Band 6-8

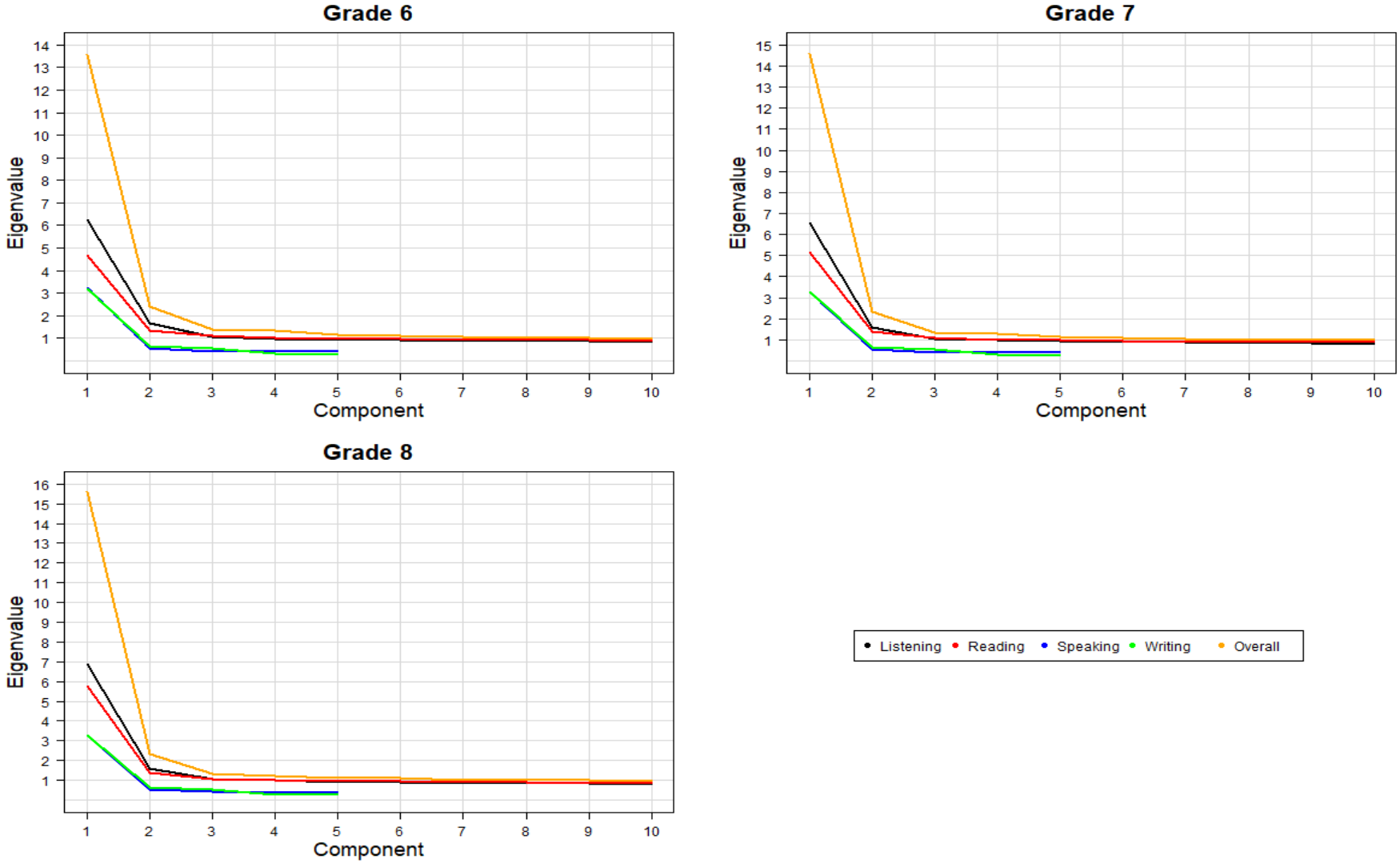


Figure S13.6: Summative Validity - Dimensionality for Grade Band 9-12

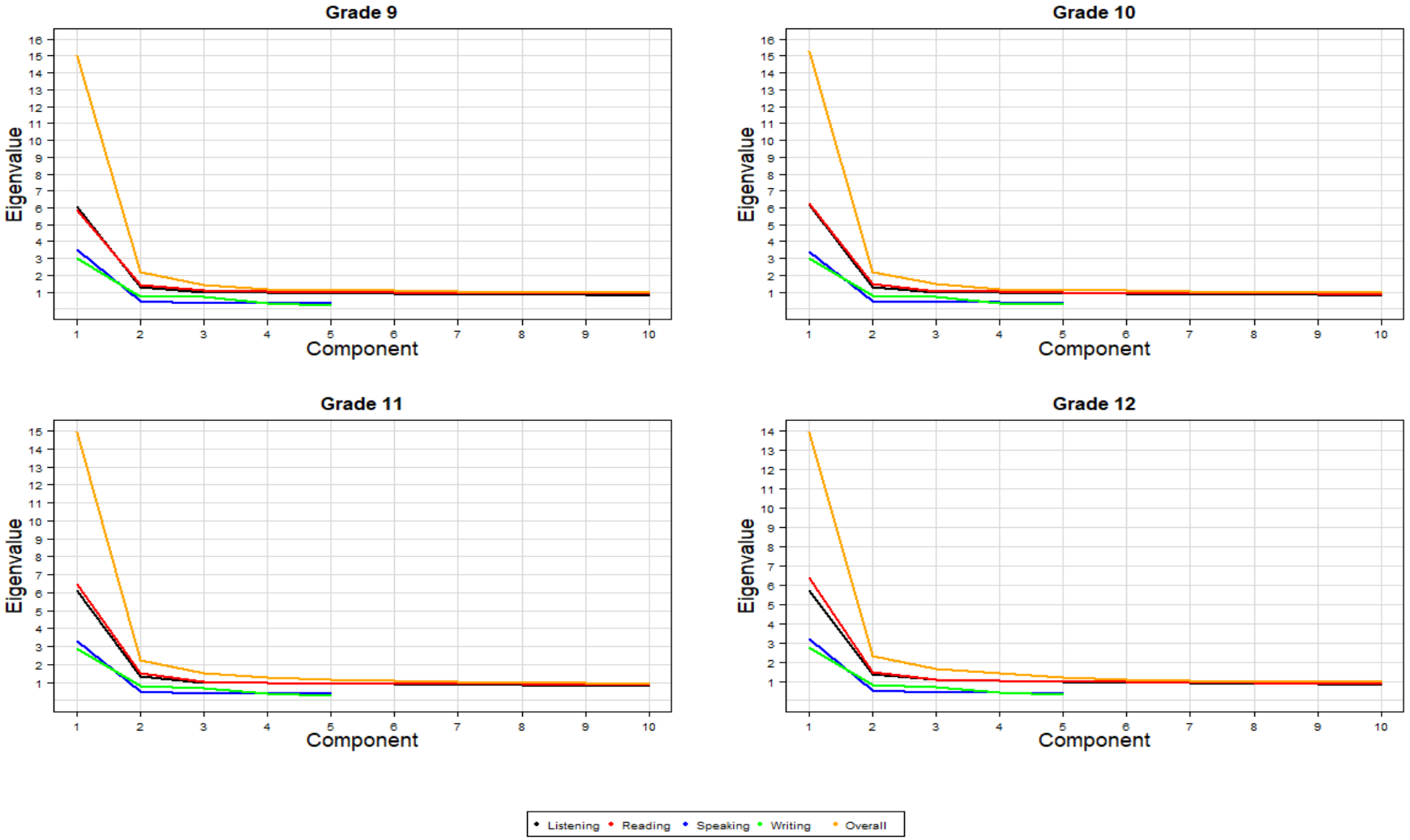


Table S13.1: Summative Principal Component Analysis - Kindergarten

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	4.98	1.20	4.16
Reading	5.26	1.57	3.35
Speaking	4.00	0.64	6.25
Writing	5.86	1.15	5.11
Overall	14.18	3.55	3.99

Table S13.2: Summative Principal Component Analysis - Grade 1

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	5.48	1.12	4.92
Reading	4.67	1.86	2.51
Speaking	3.50	0.61	5.75
Writing	7.95	0.96	8.26
Overall	15.96	3.26	4.90

Table S13.3: Summative Principal Component Analysis - Grade 2

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	5.29	1.14	4.63
Reading	5.52	1.68	3.28
Speaking	3.28	0.67	4.88
Writing	5.18	1.02	5.06
Overall	14.44	3.14	4.60

Table S13.4: Summative Principal Component Analysis - Grade 3

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	5.83	1.14	5.13
Reading	6.60	1.72	3.84
Speaking	3.52	0.62	5.70
Writing	5.46	0.98	5.56
Overall	16.76	3.05	5.49

Table S13.5: Summative Principal Component Analysis - Grade 4

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	5.81	1.23	4.74
Reading	6.35	1.50	4.24
Speaking	3.48	0.63	5.52
Writing	4.27	0.77	5.57
Overall	15.74	2.55	6.16

Table S13.6: Summative Principal Component Analysis - Grade 5

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.20	1.25	4.97
Reading	6.75	1.44	4.67
Speaking	3.55	0.60	5.94
Writing	4.31	0.75	5.75
Overall	16.70	2.46	6.78

Table S13.7: Summative Principal Component Analysis - Grade 6

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.26	1.67	3.74
Reading	4.70	1.35	3.48
Speaking	3.23	0.55	5.86
Writing	3.20	0.66	4.82
Overall	13.58	2.41	5.64

Table S13.8: Summative Principal Component Analysis - Grade 7

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.58	1.59	4.13
Reading	5.16	1.39	3.71
Speaking	3.28	0.53	6.15
Writing	3.27	0.65	5.07
Overall	14.59	2.35	6.21

Table S13.9: Summative Principal Component Analysis - Grade 8

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.87	1.59	4.31
Reading	5.78	1.37	4.23
Speaking	3.29	0.52	6.31
Writing	3.31	0.62	5.32
Overall	15.60	2.33	6.71

Table S13.10: Summative Principal Component Analysis - Grade 9

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.09	1.32	4.61
Reading	5.87	1.42	4.12
Speaking	3.52	0.45	7.81
Writing	3.01	0.74	4.08
Overall	15.05	2.18	6.90

Table S13.11: Summative Principal Component Analysis - Grade 10

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.18	1.31	4.72
Reading	6.27	1.45	4.32
Speaking	3.41	0.48	7.04
Writing	2.97	0.75	3.95
Overall	15.31	2.18	7.01

Table S13.12: Summative Principal Component Analysis - Grade 11

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	6.13	1.35	4.53
Reading	6.48	1.51	4.29
Speaking	3.32	0.52	6.44
Writing	2.89	0.78	3.71
Overall	14.97	2.25	6.65

Table S13.13: Summative Principal Component Analysis - Grade 12

Domain	1st Component	2nd Component	Ratio of 1st over 2nd
Listening	5.71	1.37	4.17
Reading	6.35	1.47	4.31
Speaking	3.23	0.54	5.94
Writing	2.76	0.81	3.43
Overall	13.95	2.29	6.09

Section 14: Summative Assessment - Ability vs. Difficulty

Figure S14.1: Summative Validity - Ability vs. Difficulty for Kindergarten

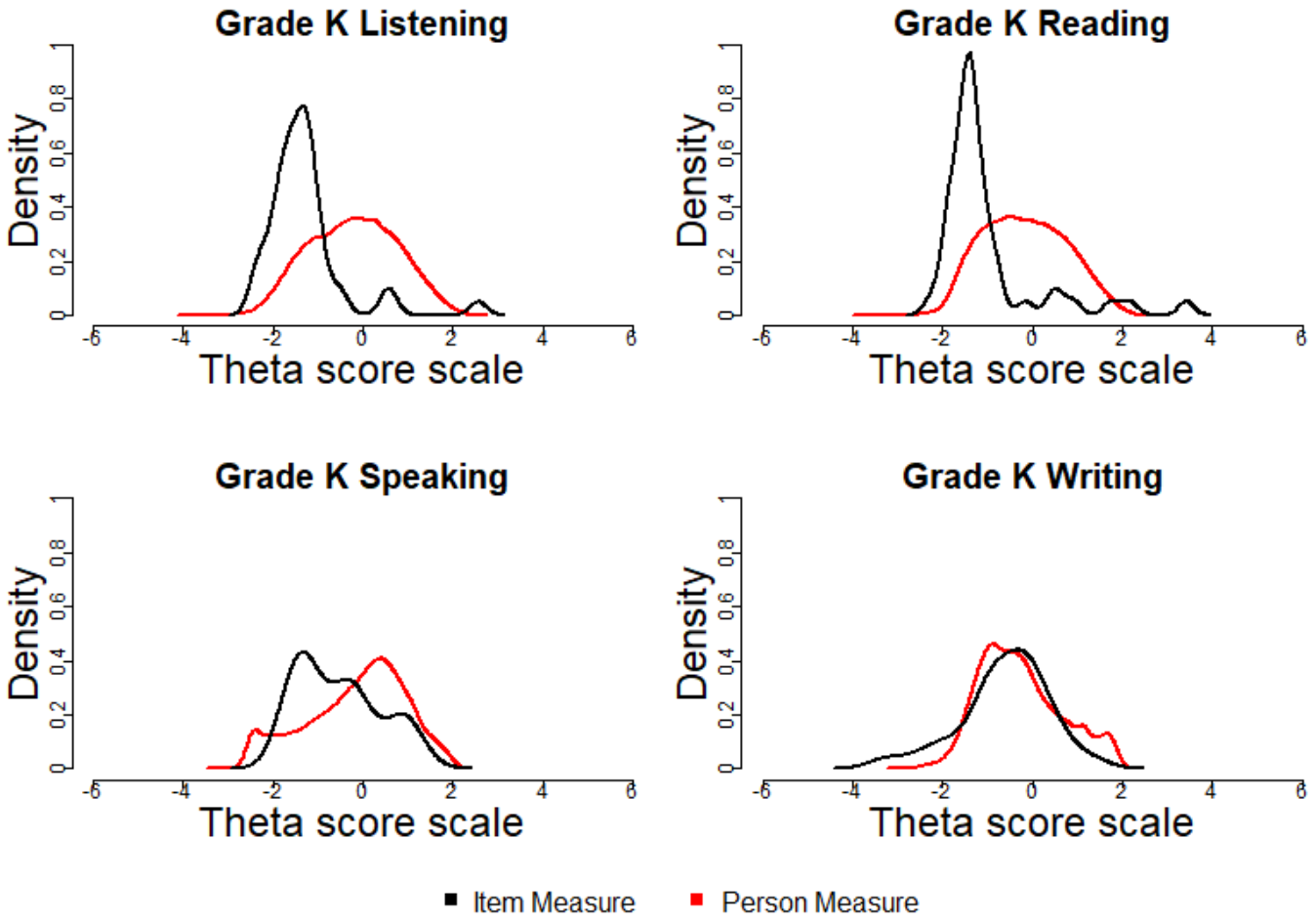


Figure S14.2: Summative Validity - Ability vs. Difficulty for Grade 1

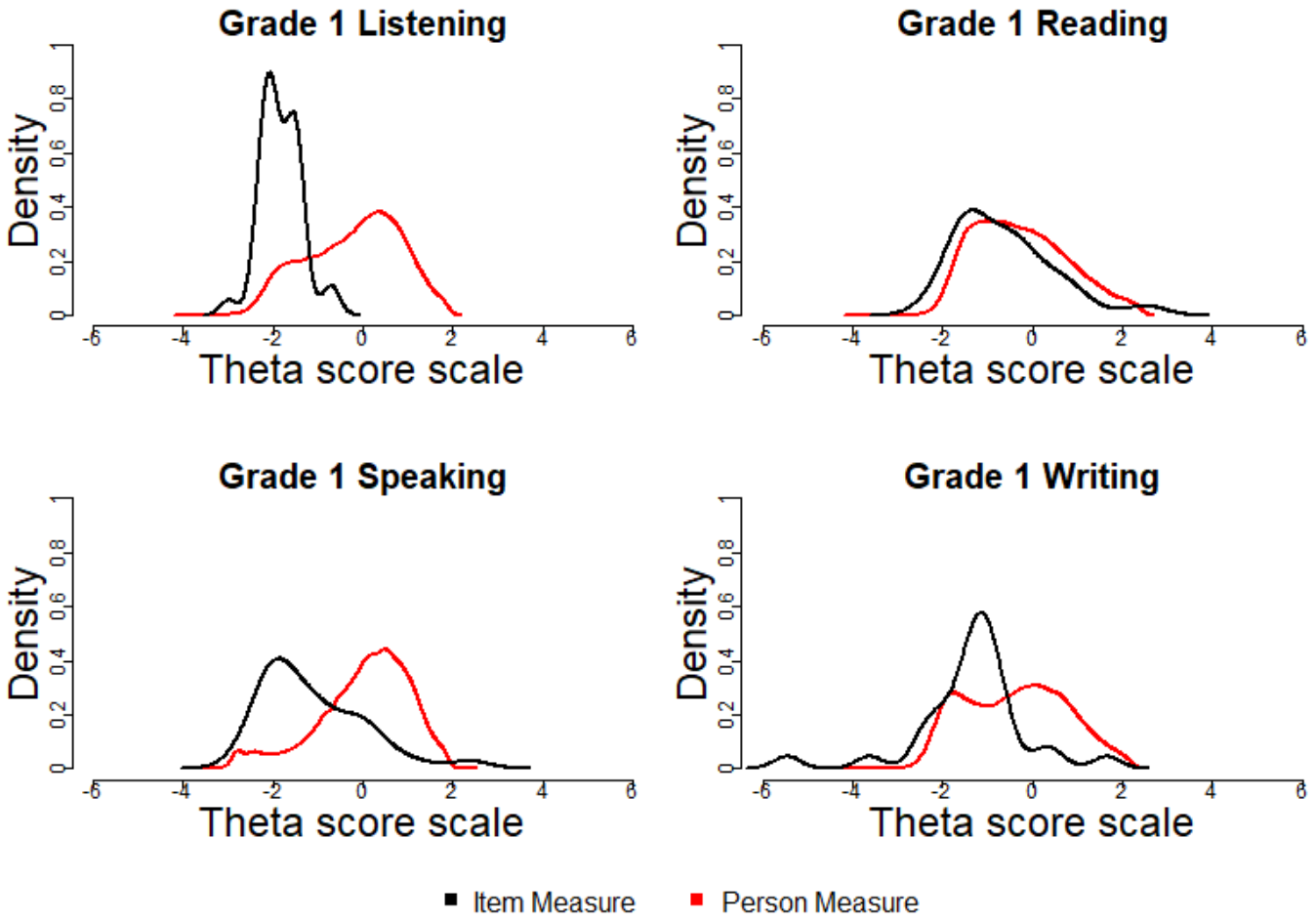


Figure S14.3: Summative Validity - Ability vs. Difficulty for Grade Band 2-3

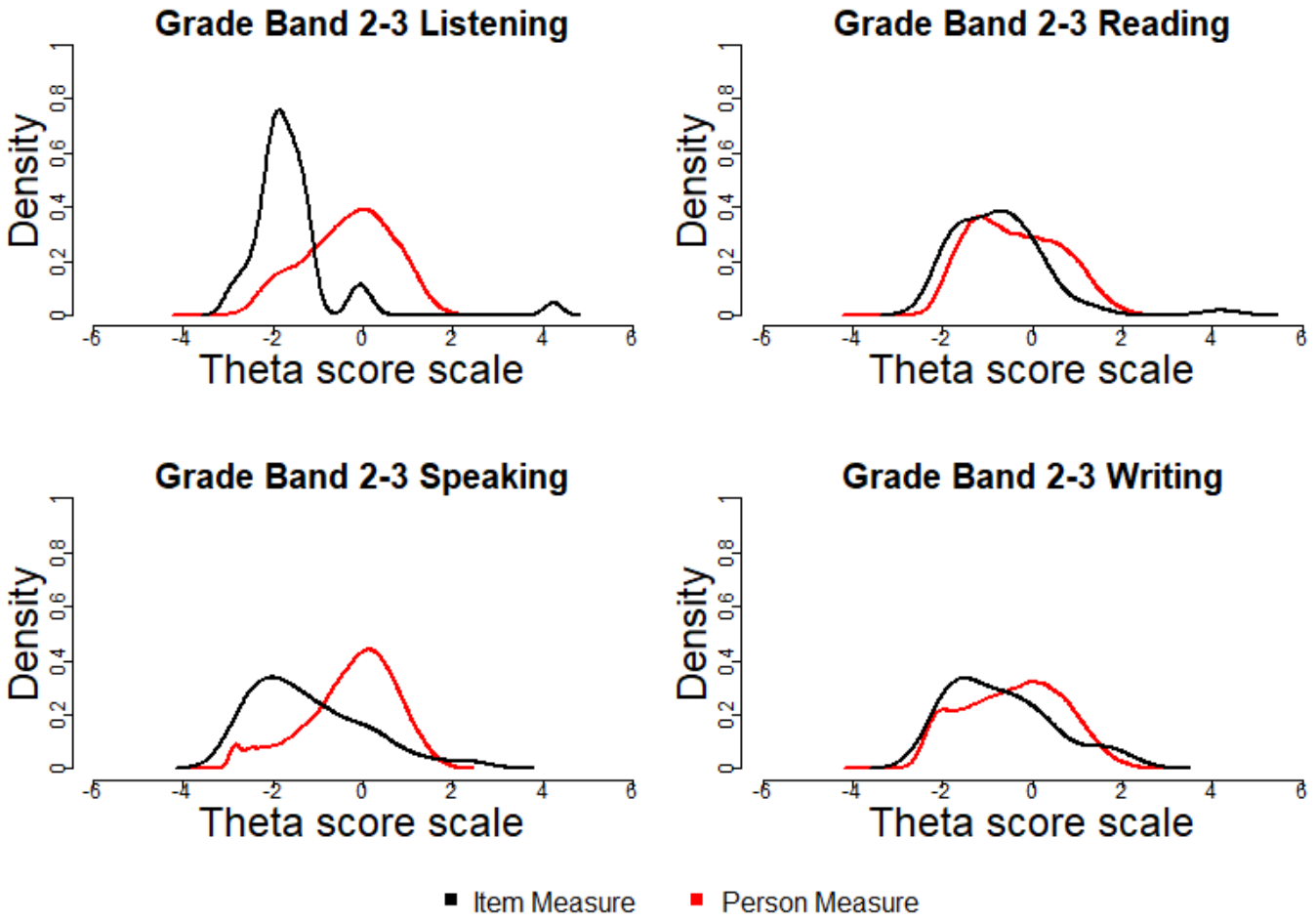


Figure S14.4: Summative Validity - Ability vs. Difficulty for Grade Band 4-5

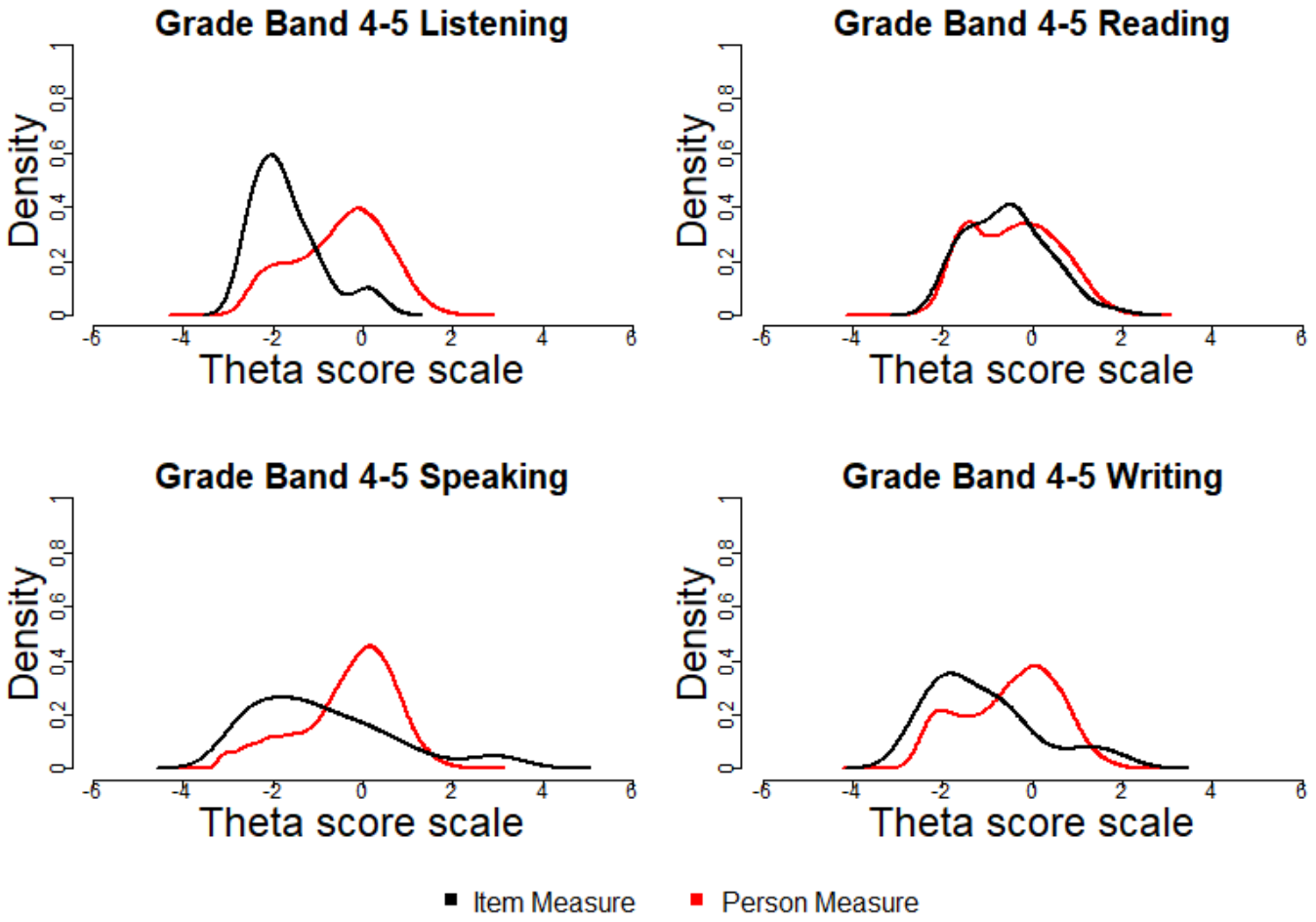


Figure S14.5: Summative Validity - Ability vs. Difficulty for Grade Band 6-8

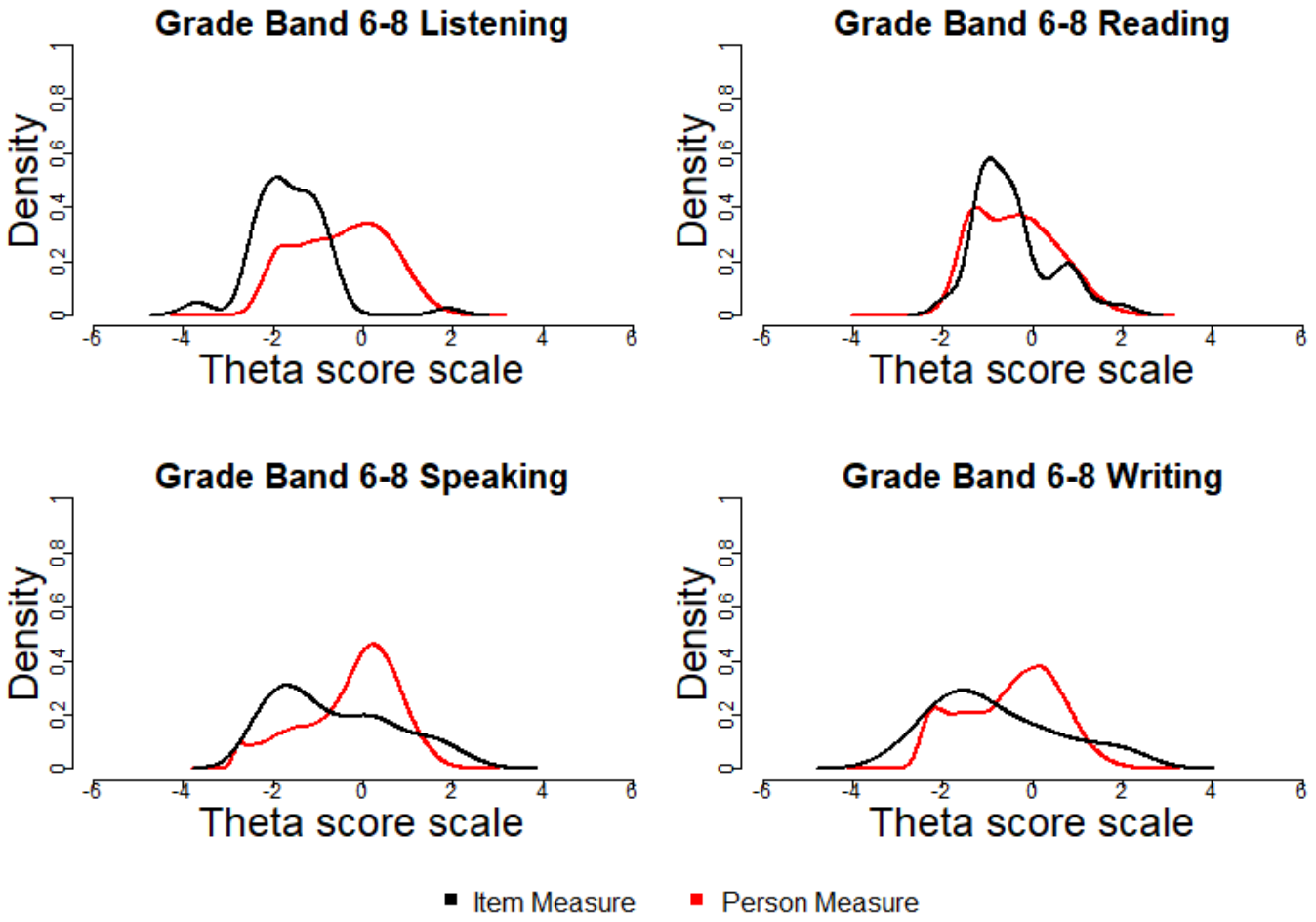
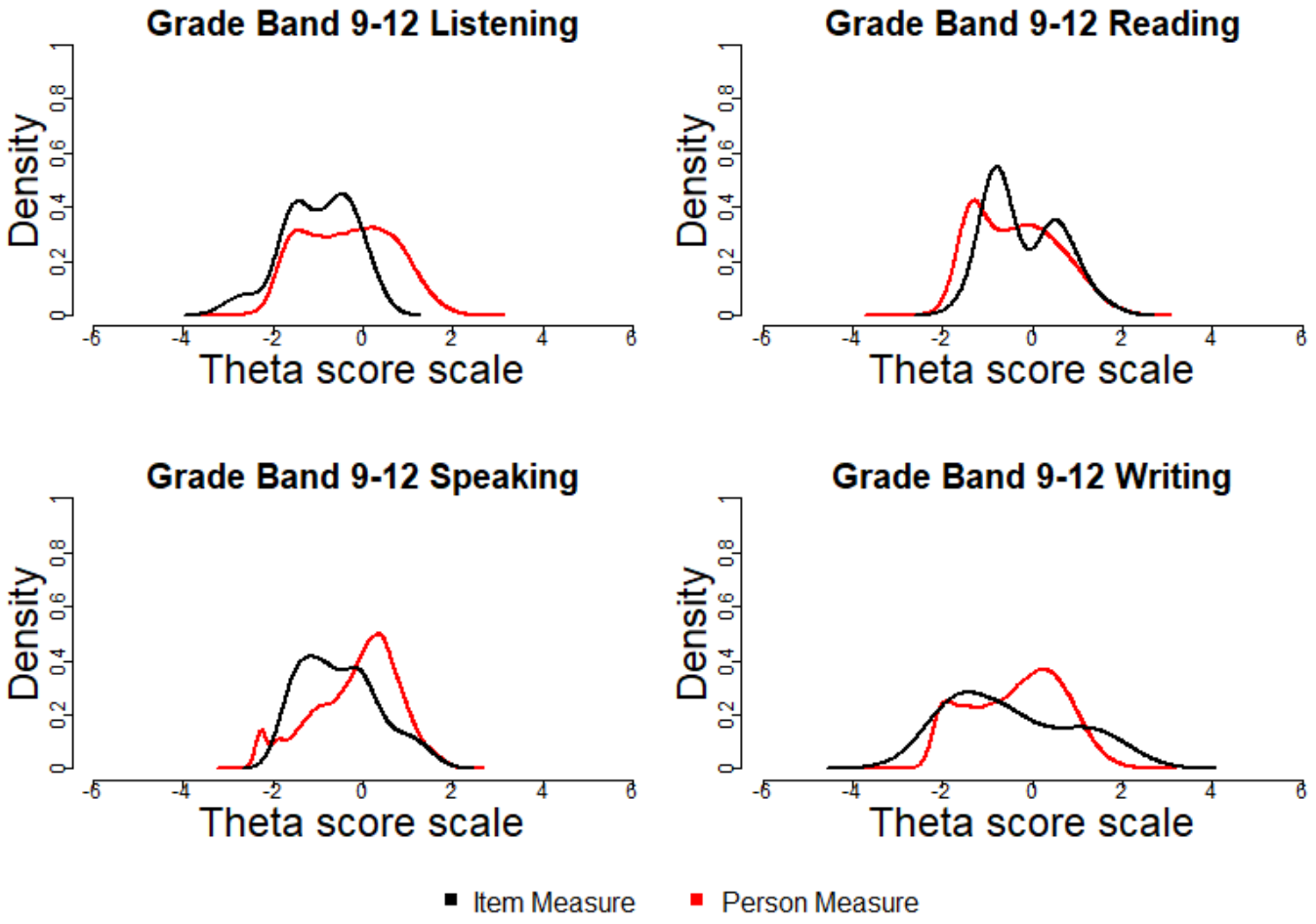


Figure S14.6: Summative Validity - Ability vs. Difficulty for Grade Band 9-12



Section 15: Summative Assessment - Mock Ups for Reporting

* Refer to the Appendix for each individual state