

Figures

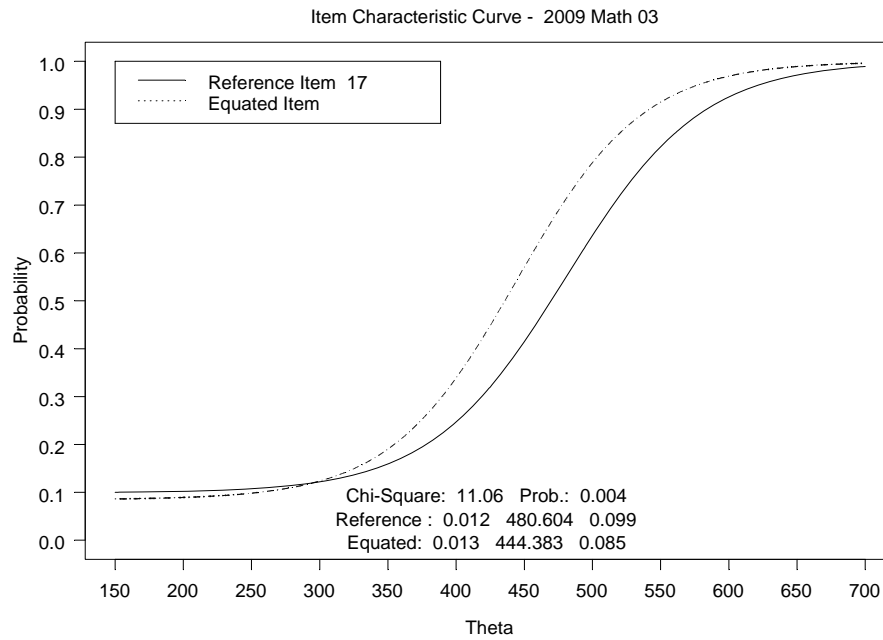
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**Figure 1. Item Characteristic Curves for Mathematics Grade 3 Anchor Item 17
Unanchored from the Equating of the Operational Test**



**Figure 2. Item Characteristic Curves for Reading Grade 4 Anchor Item 26, RWO 23
Unanchored from the Equating of the Operational Test**

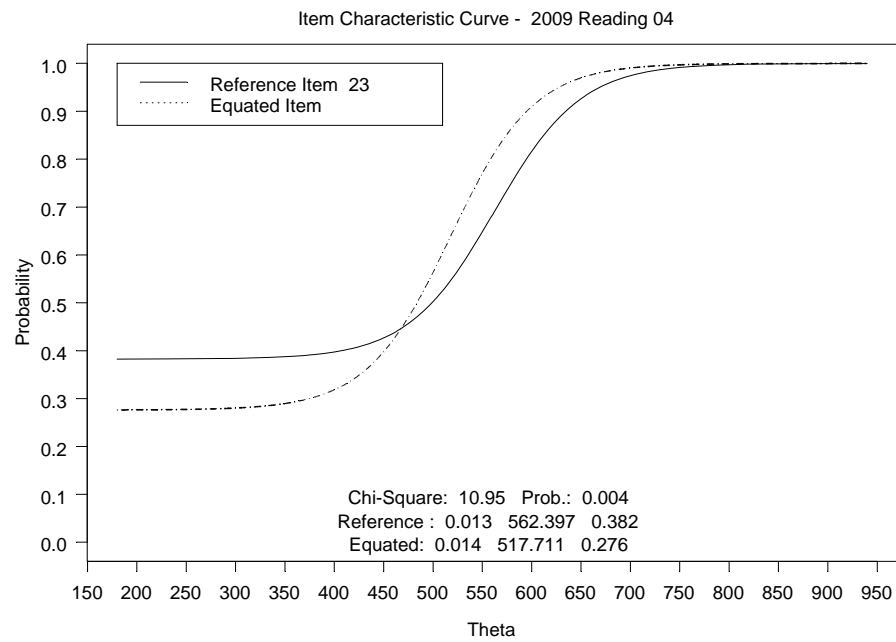


Figure 3. CSAP Grade 3 Reading Operational Tests (Blue=2008, Pink=2009) (A) test characteristic curves, (B) standard errors of measurement, (C) test information function, and (D) cumulative frequency distributions based on census data.

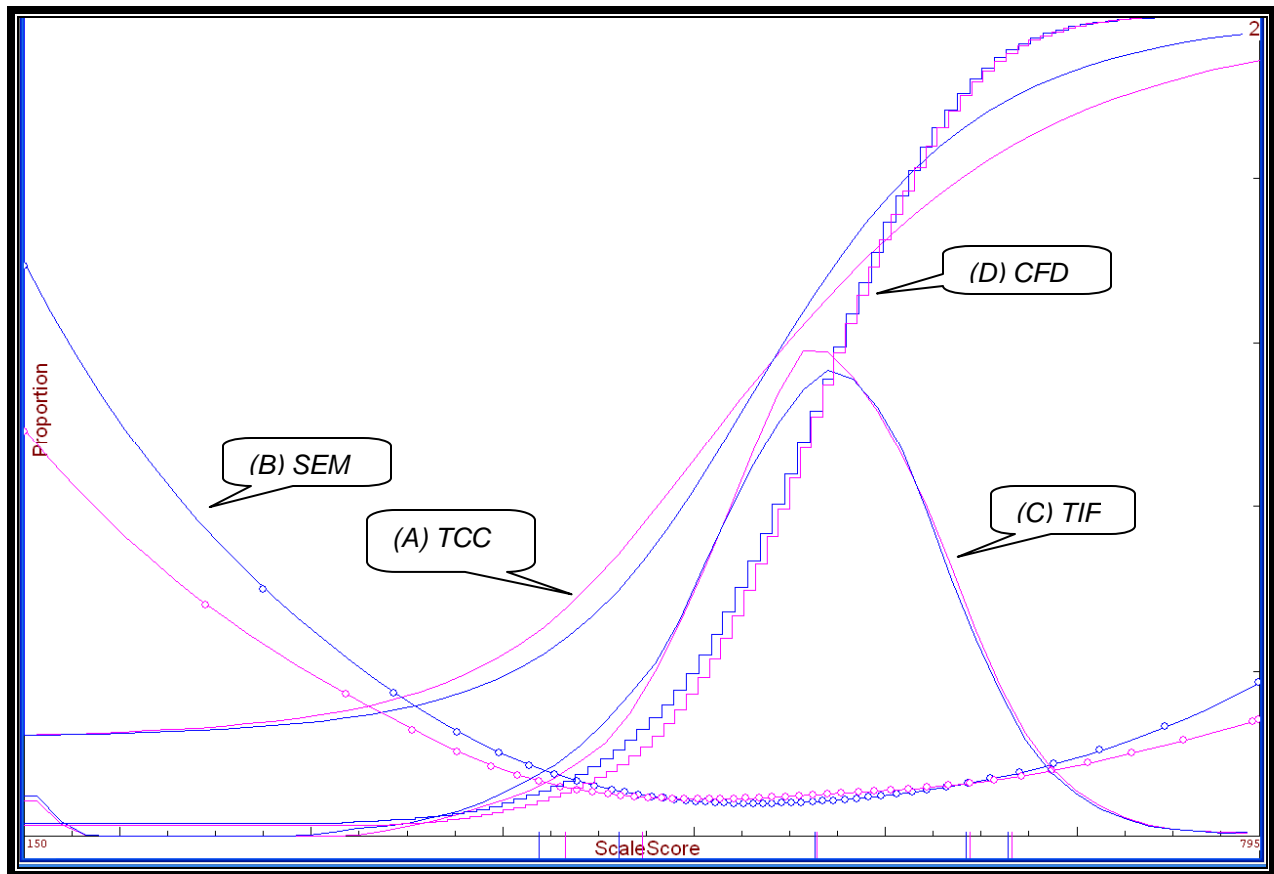


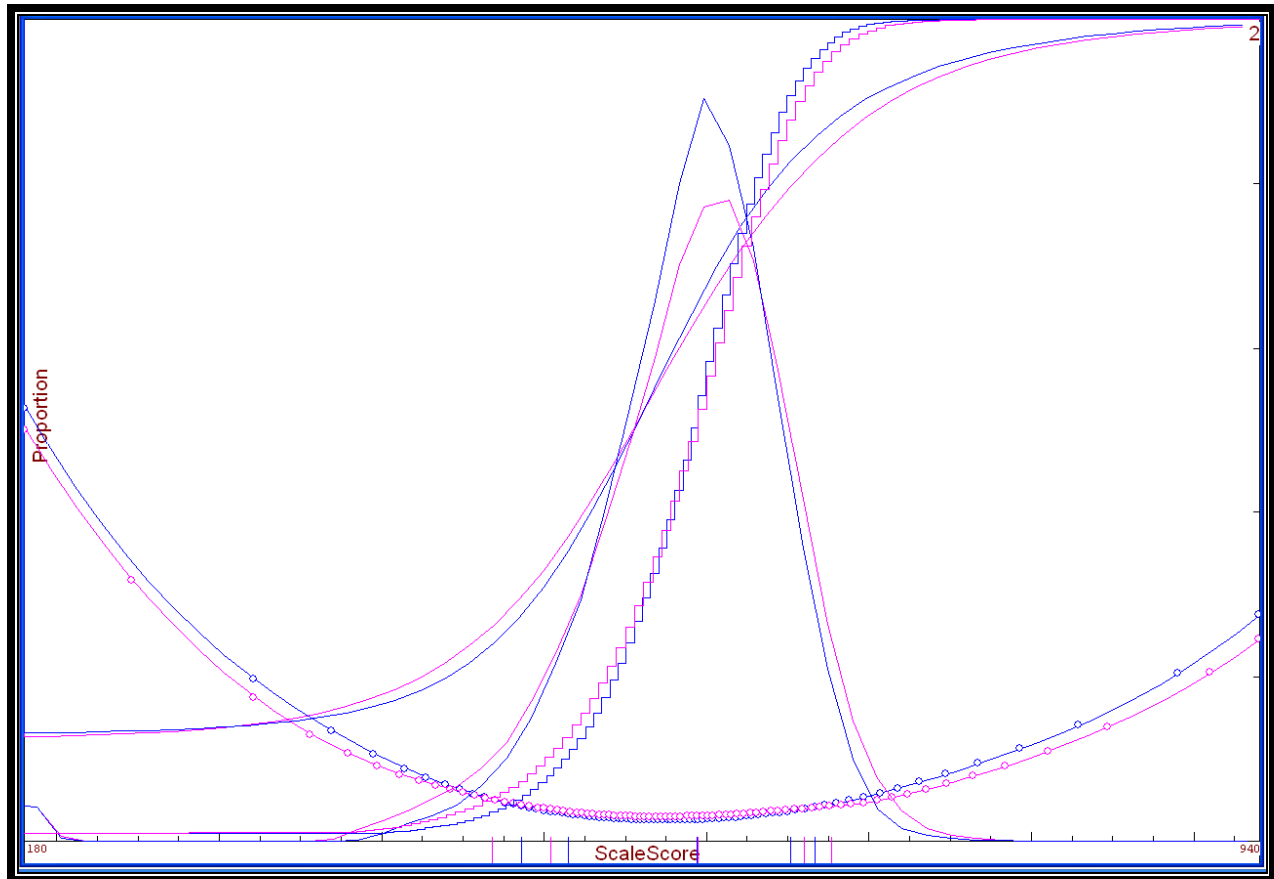
Figure 4. CSAP Grade 4 Reading Operational Tests (Blue=2008, Pink=2009)

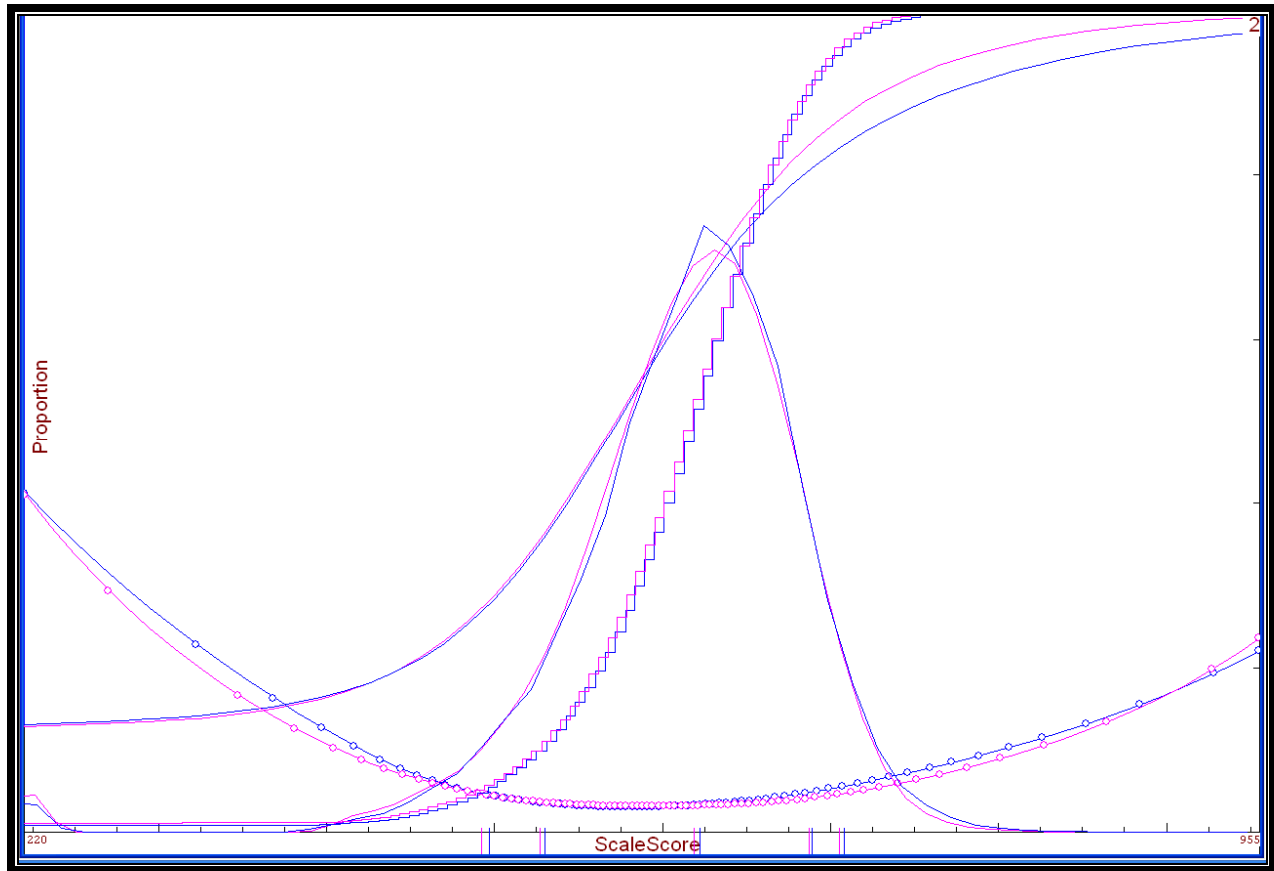
Figure 5. CSAP Grade 5 Reading Operational Tests (Blue=2008, Pink=2009)

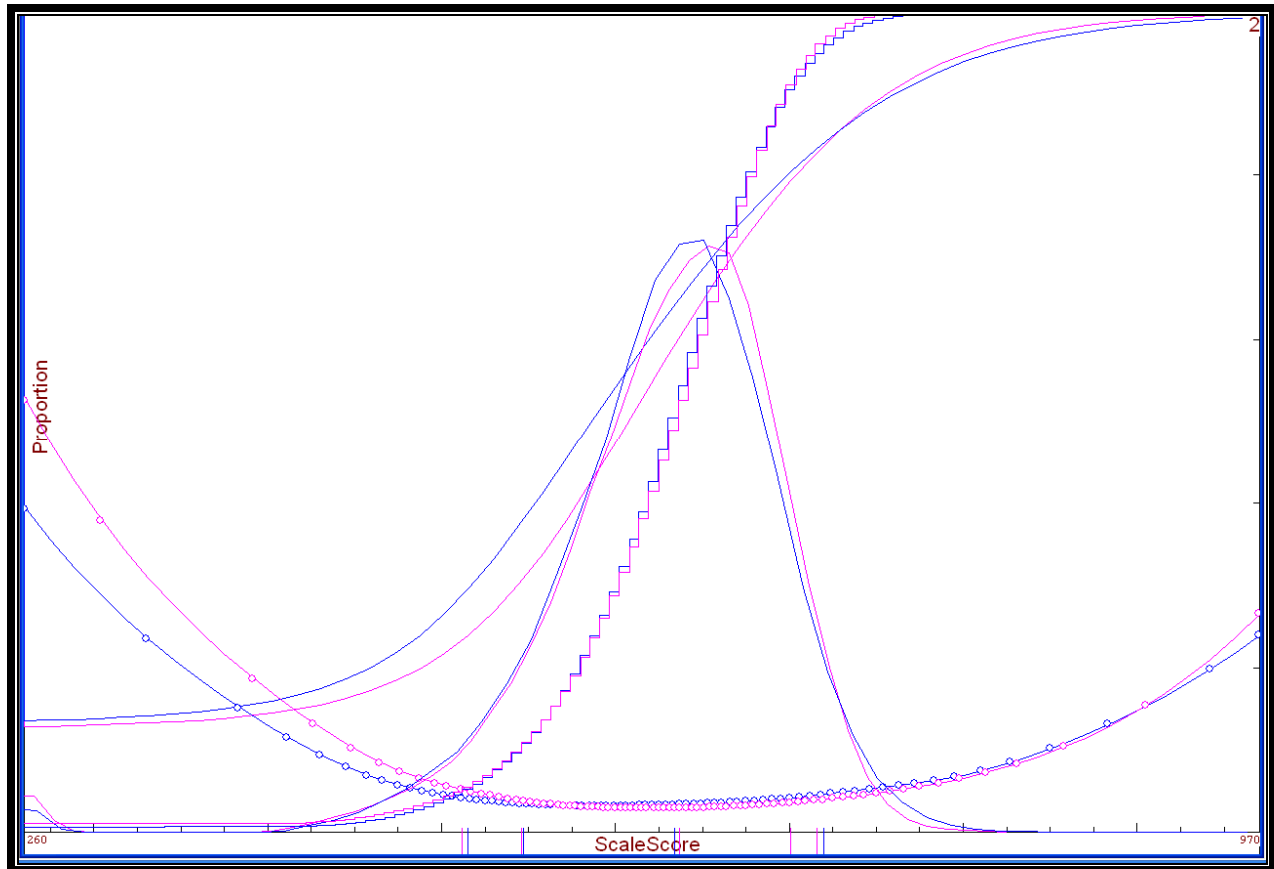
Figure 6. CSAP Grade 6 Reading Operational Tests (Blue=2008, Pink=2009)

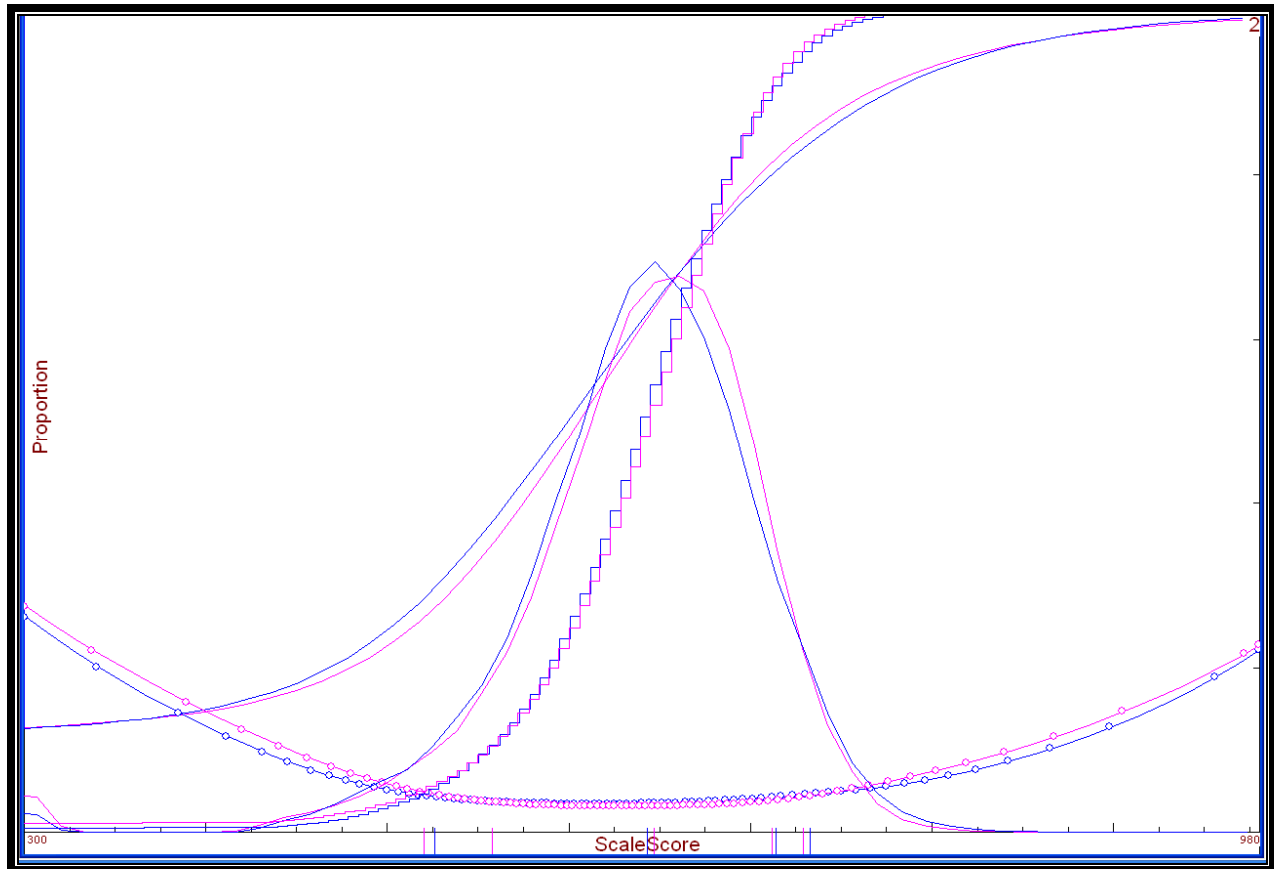
Figure 7. CSAP Grade 7 Reading Operational Tests (Blue=2008, Pink=2009)

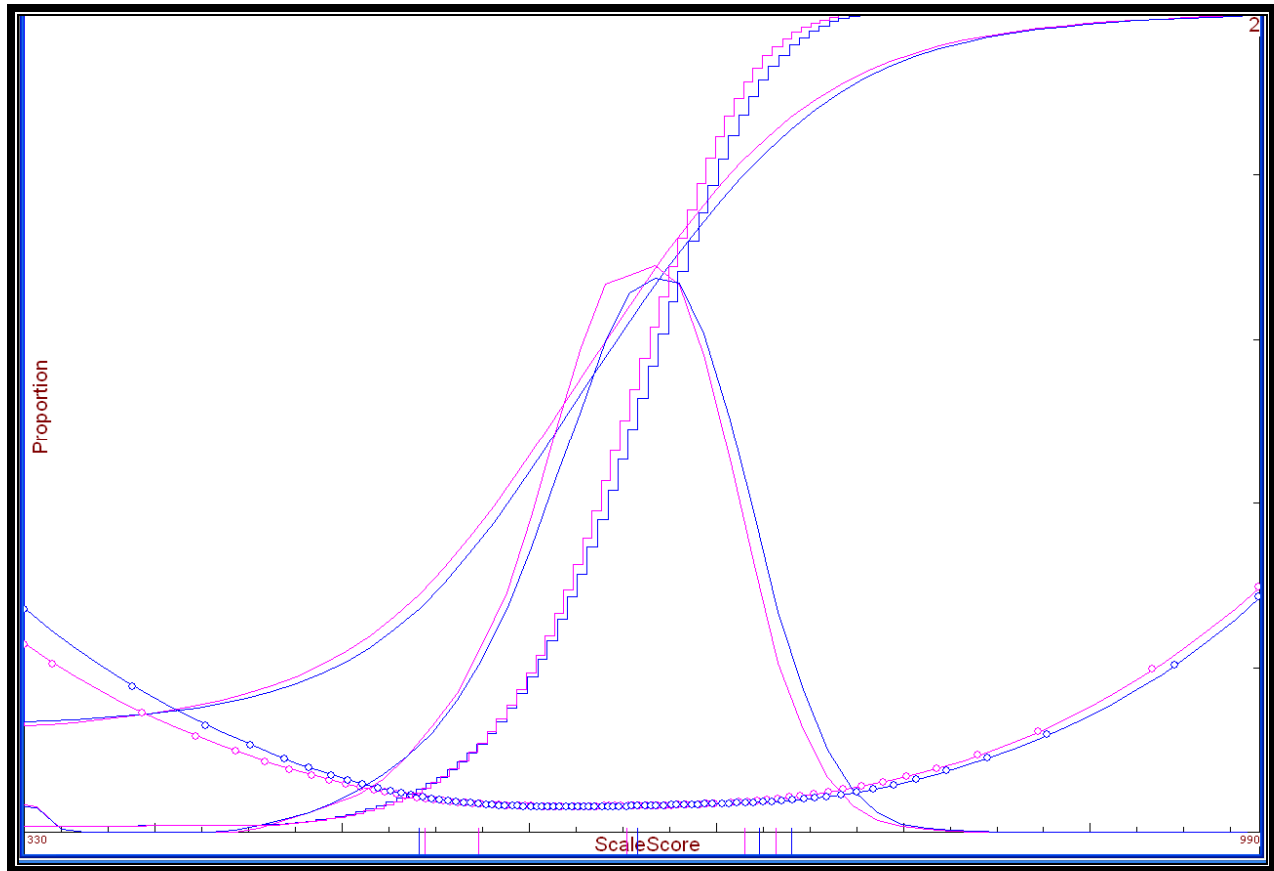
Figure 8. CSAP Grade 8 Reading Operational Tests (Blue=2008, Pink=2009)

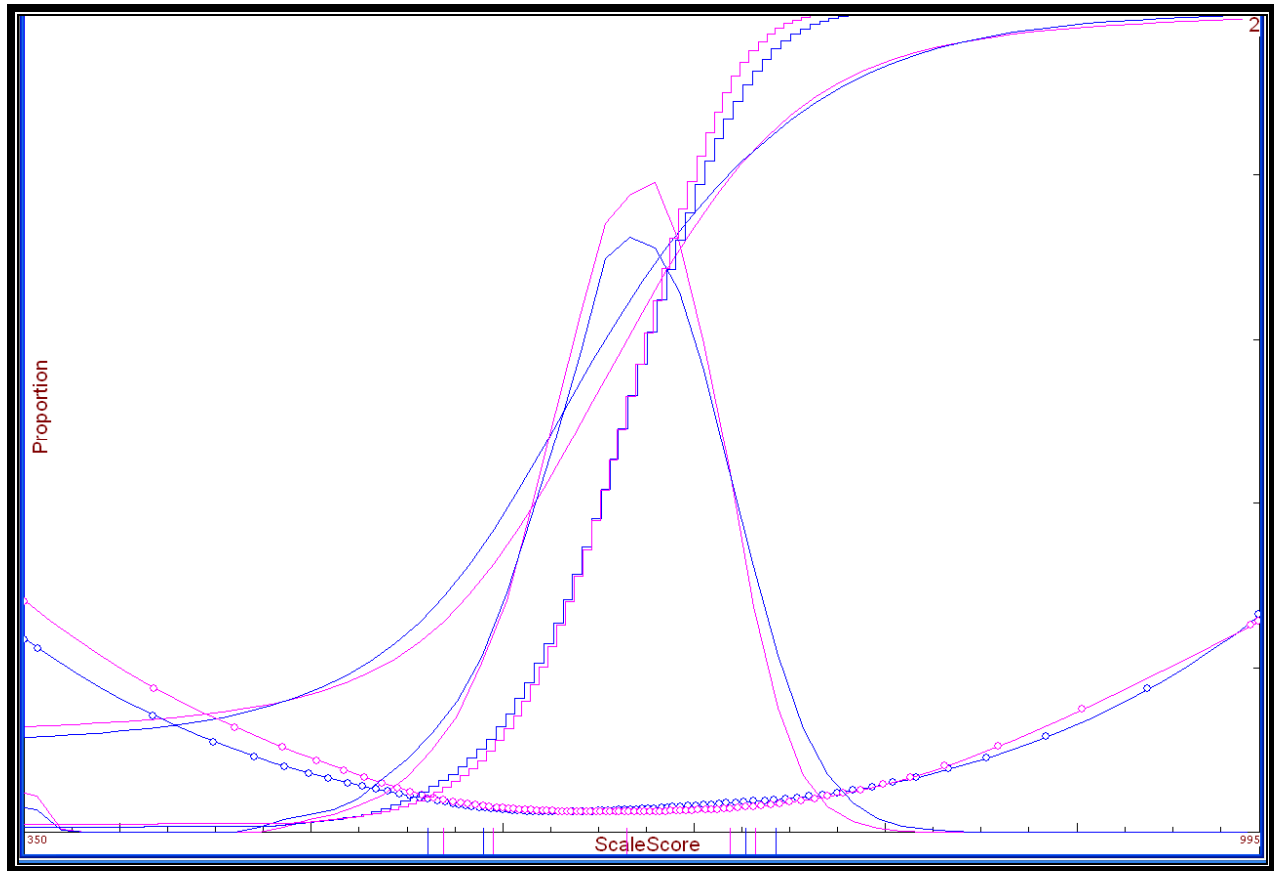
Figure 9. CSAP Grade 9 Reading Operational Tests (Blue=2008, Pink=2009)

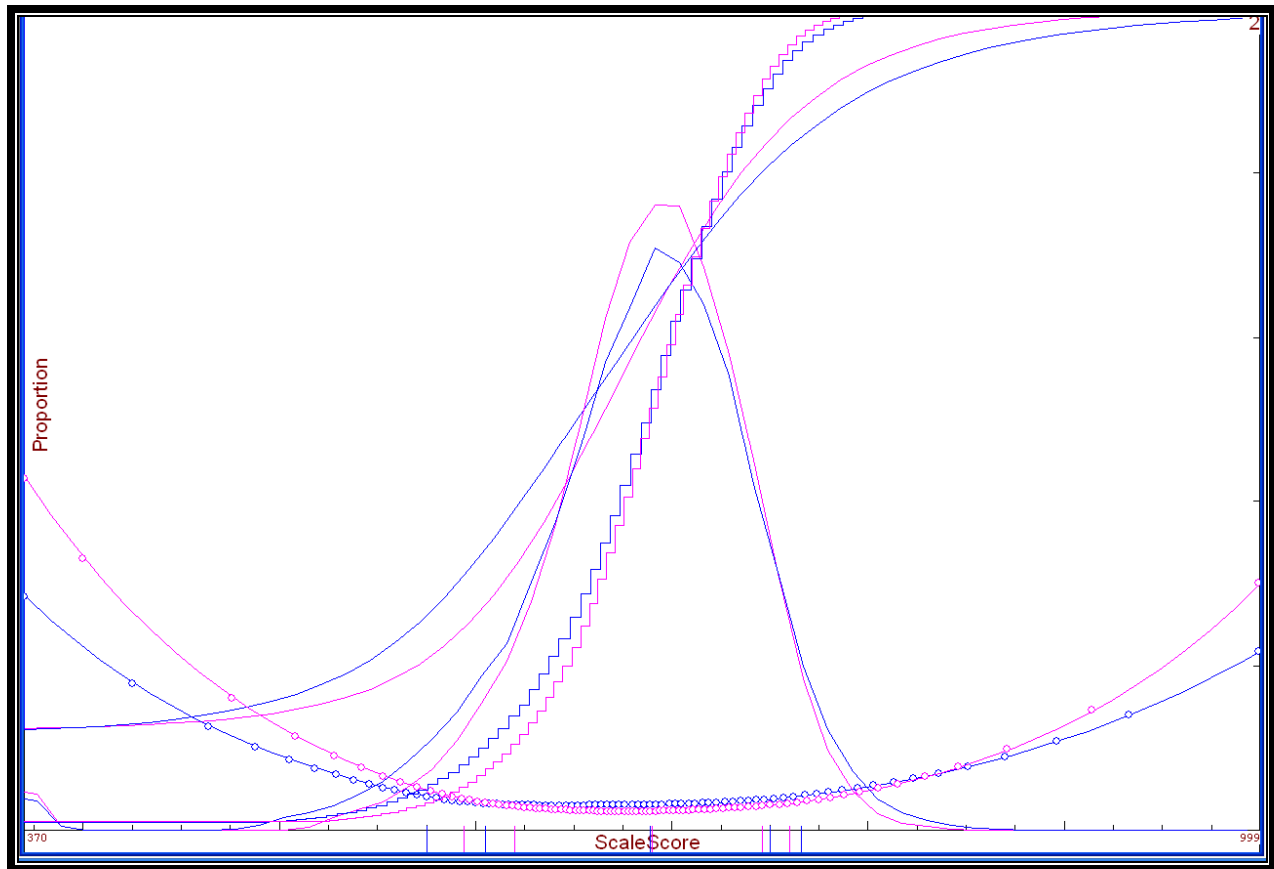
Figure 10. CSAP Grade 10 Reading Operational Tests (Blue=2008, Pink=2009)

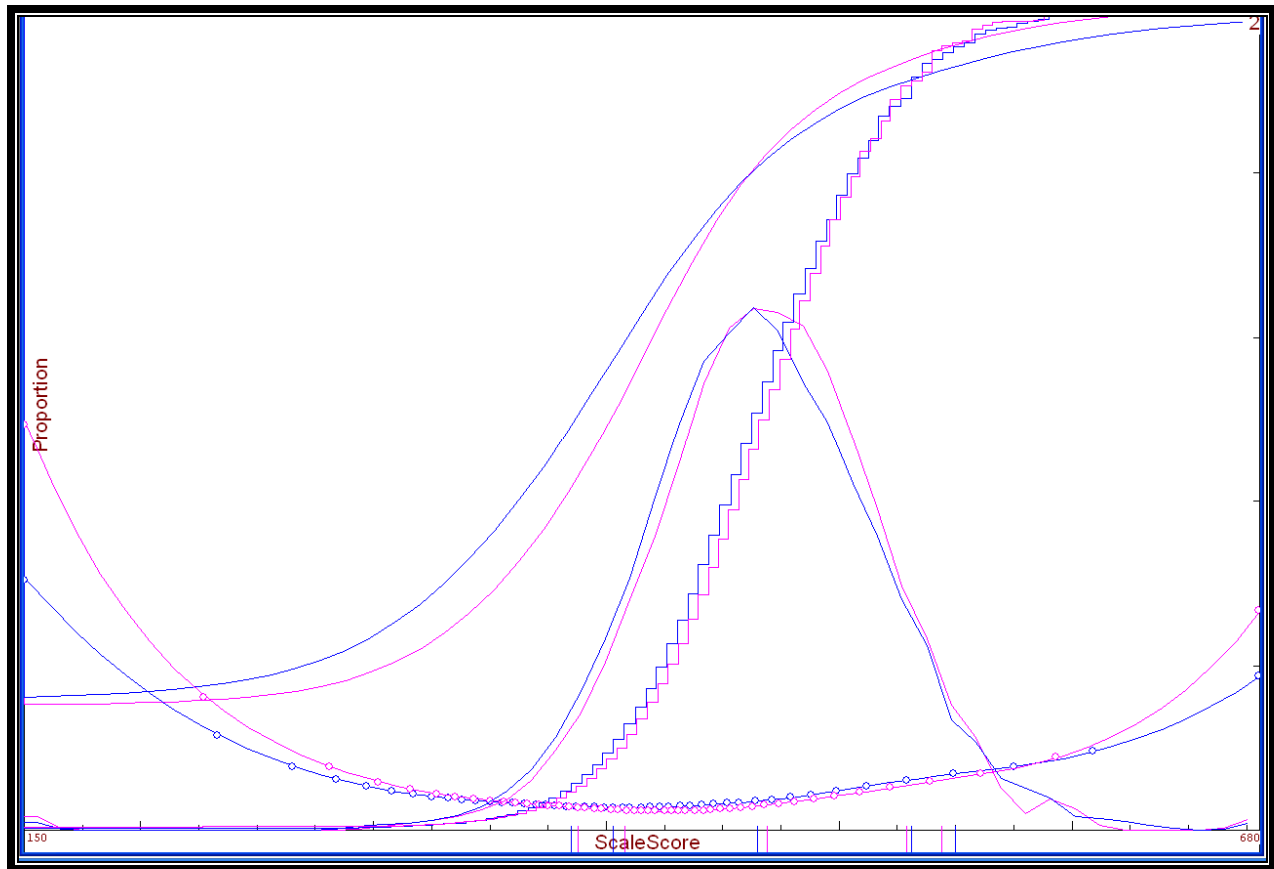
Figure 11. CSAP Grade 3 Writing Operational Tests (Blue=2008, Pink=2009)

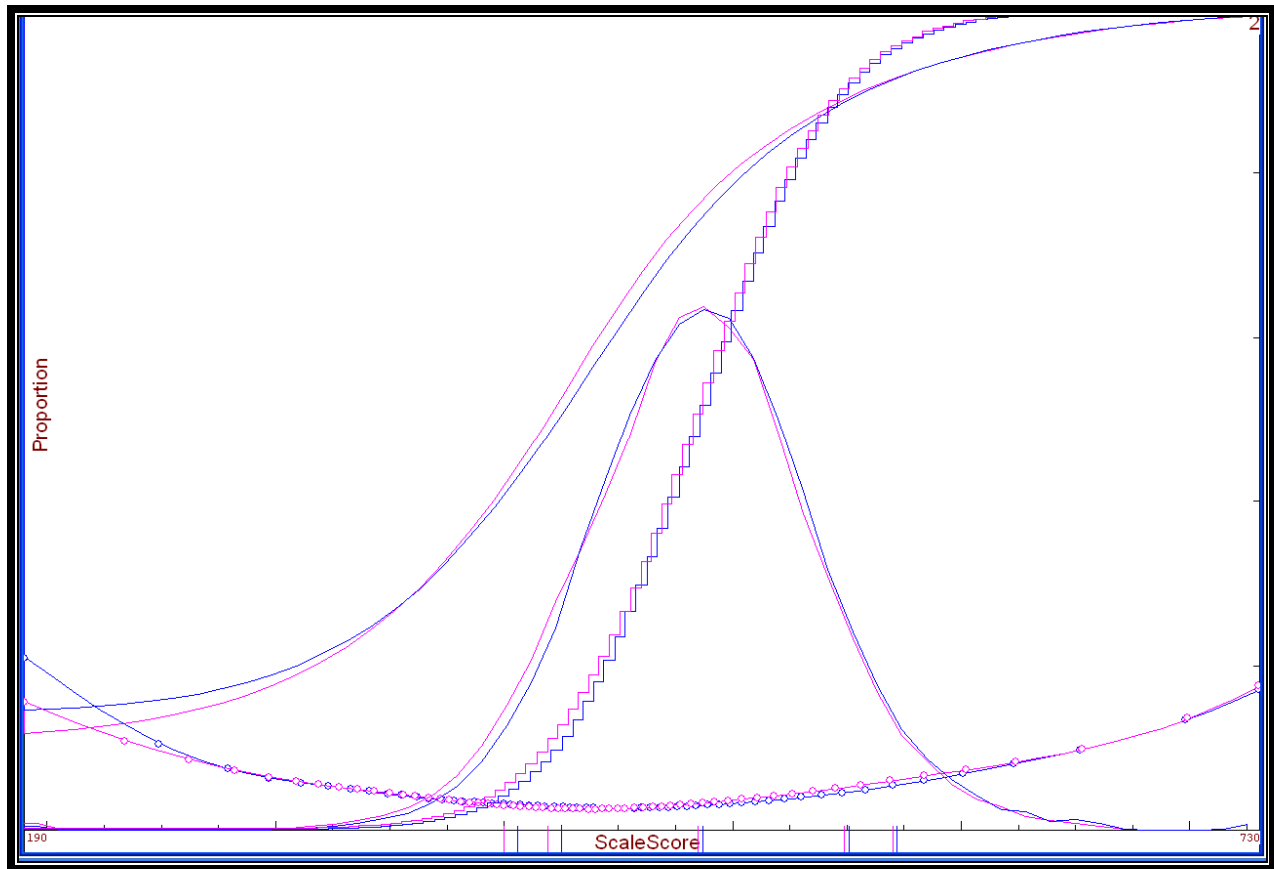
Figure 12. CSAP Grade 4 Writing Operational Tests (Blue=2008, Pink=2009)

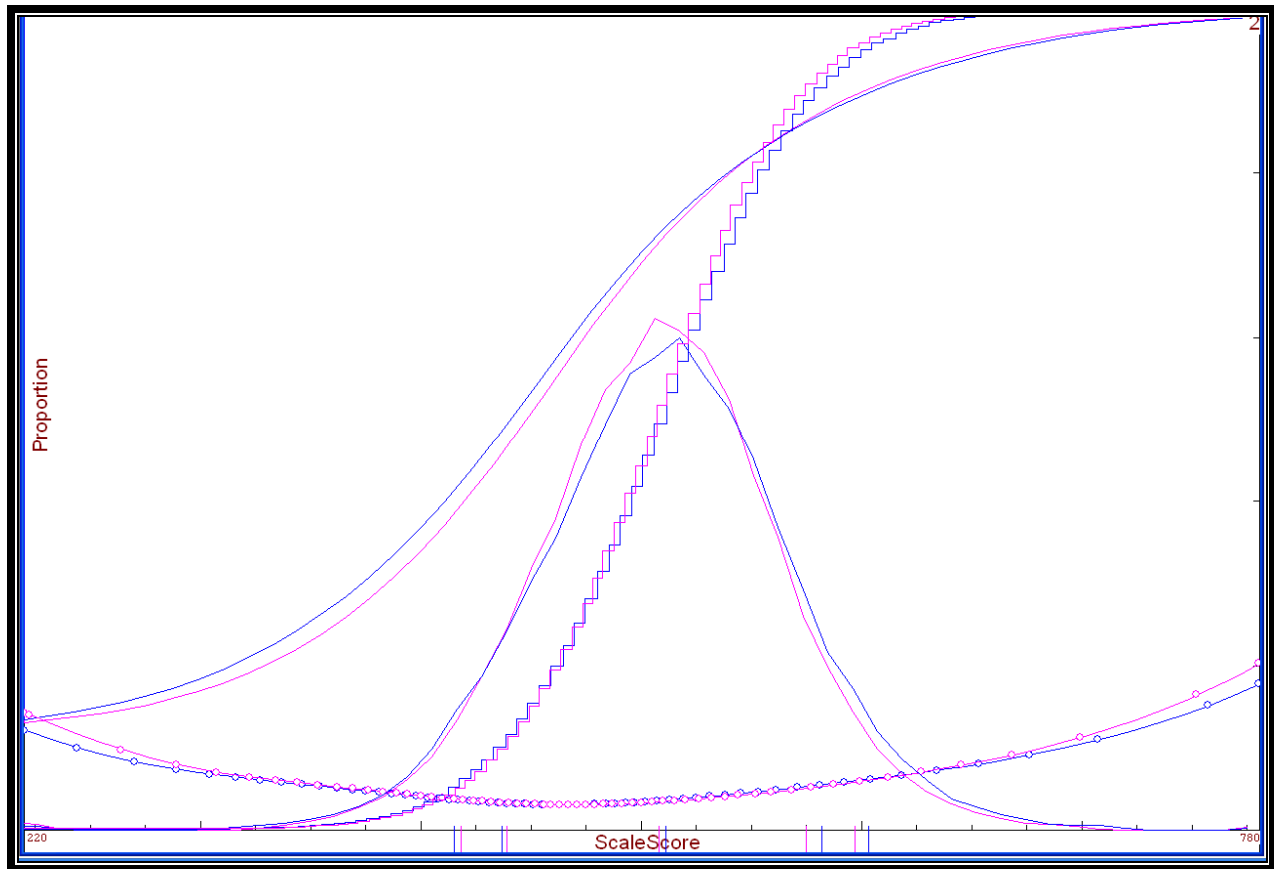
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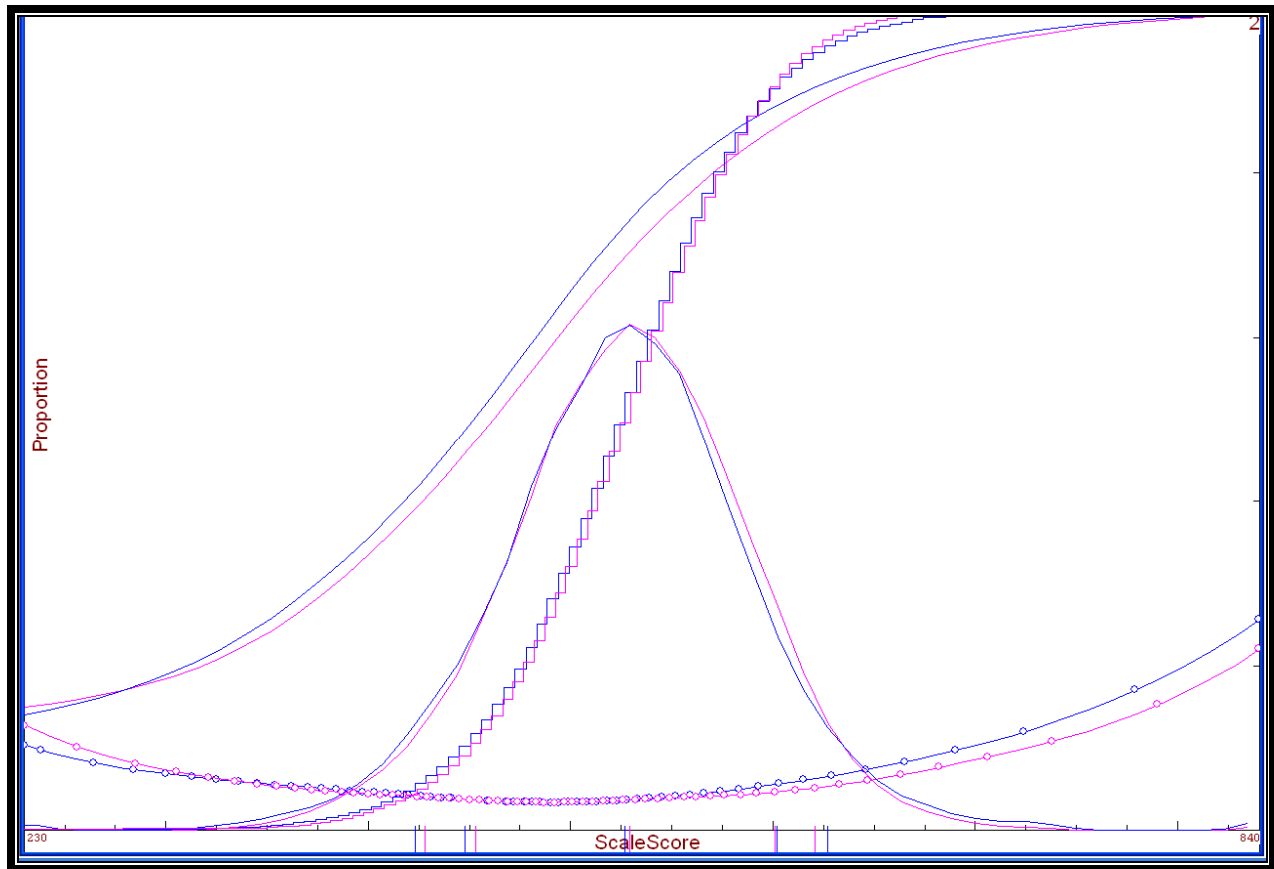
Figure 14. CSAP Grade 6 Writing Operational Tests (Blue=2008, Pink=2009)

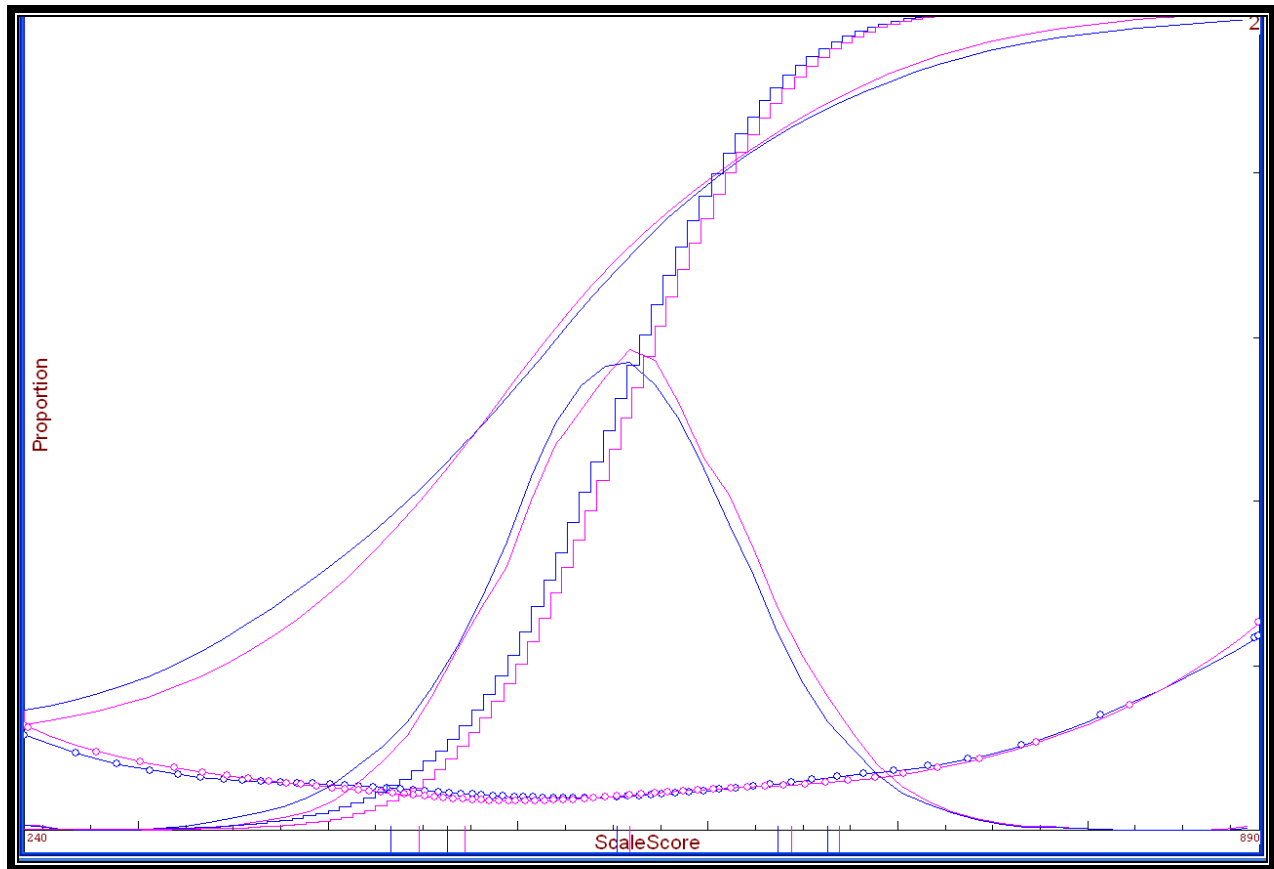
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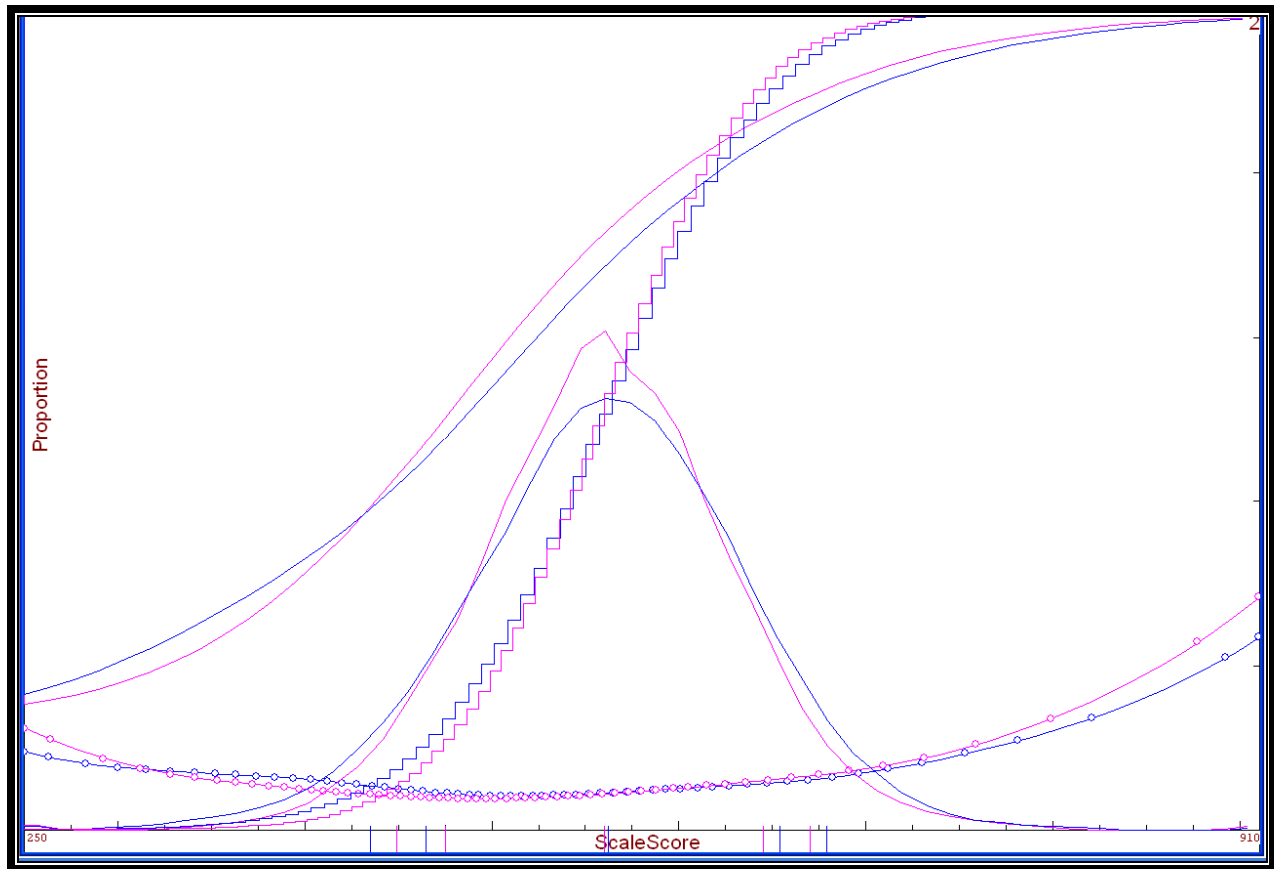
Figure 16. CSAP Grade 8 Writing Operational Tests (Blue=2008, Pink=2009)

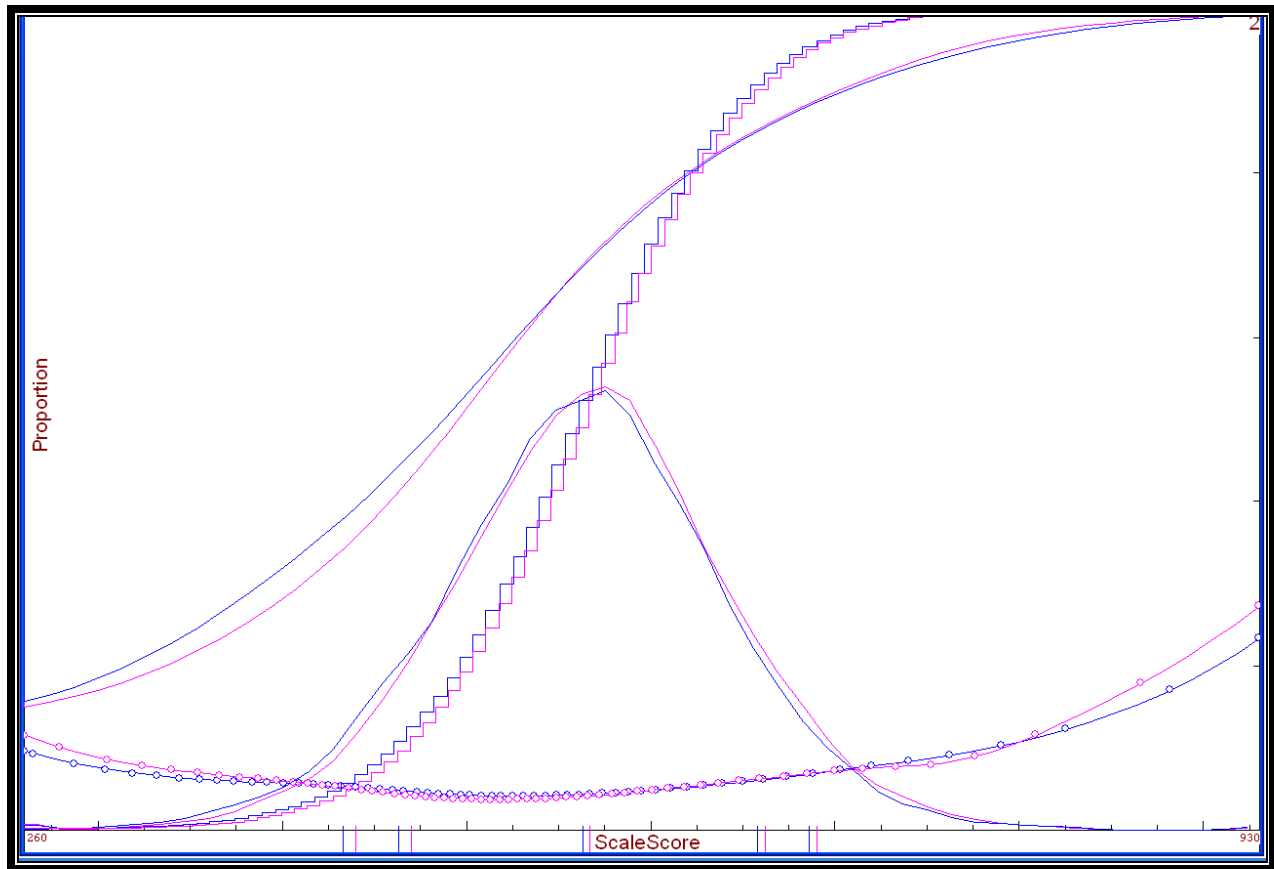
Figure 17. CSAP Grade 9 Writing Operational Tests (Blue=2008, Pink=2009)

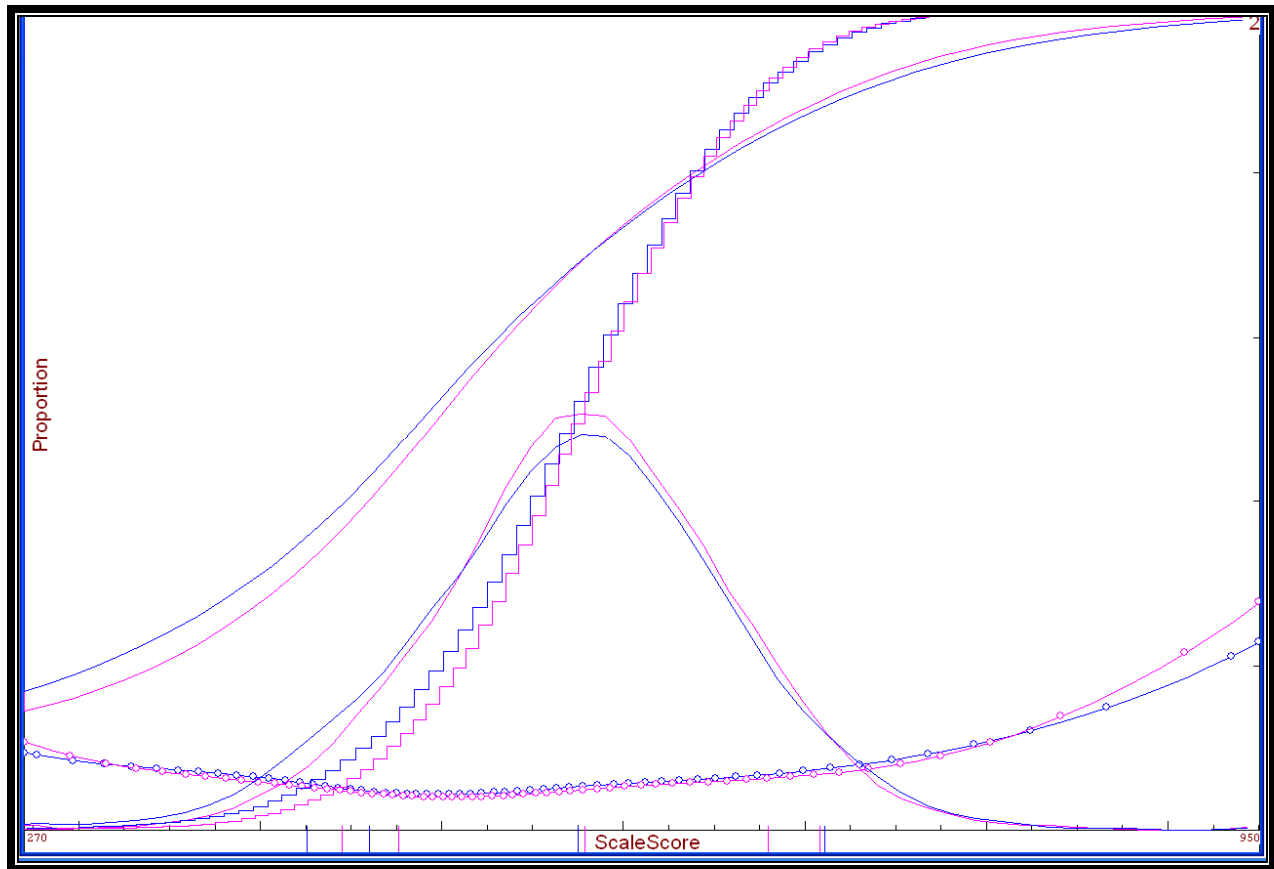
Figure 18. CSAP Grade 10 Writing Operational Tests (Blue=2008, Pink=2009)

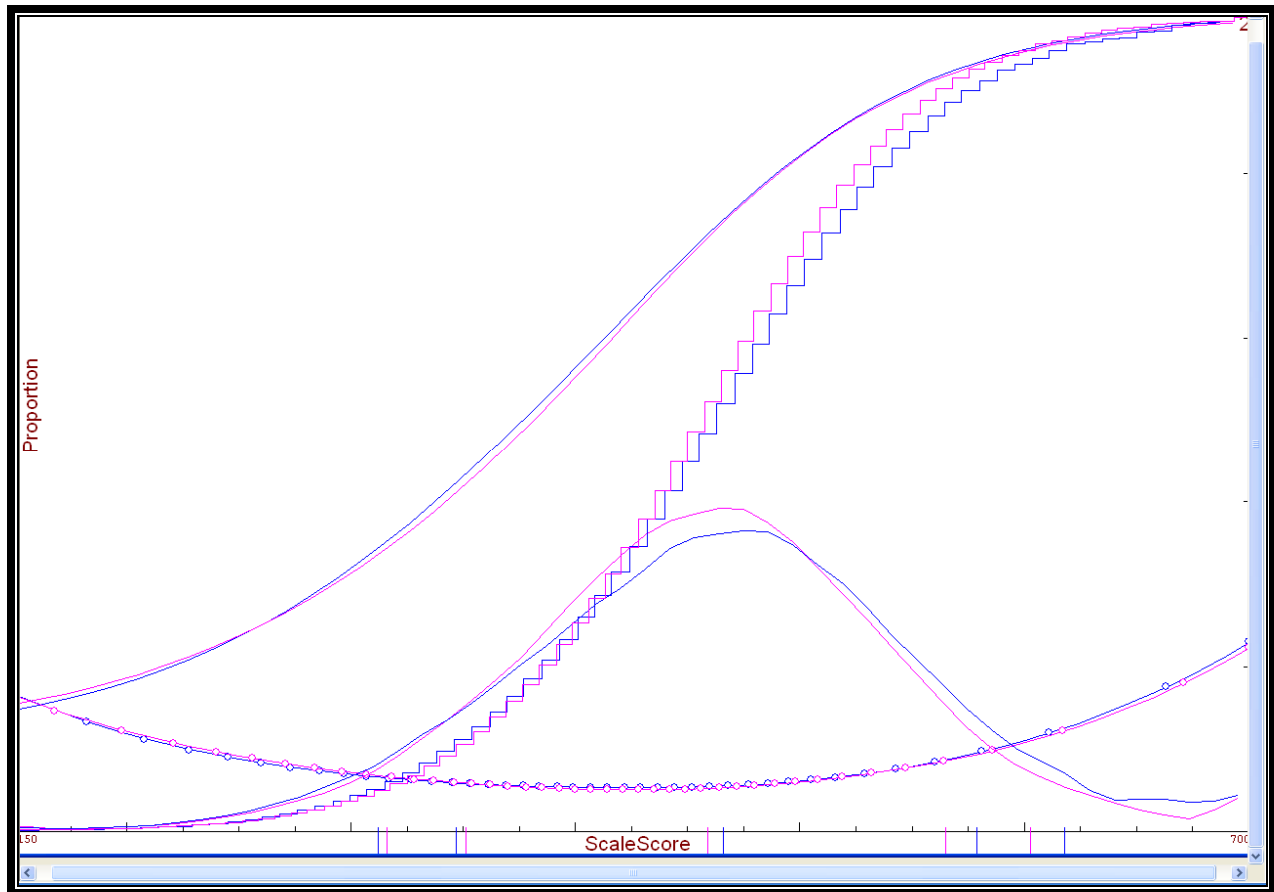
Figure 19. CSAP Grade 3 Mathematics Operational Tests (Blue=2008, Pink=2009)

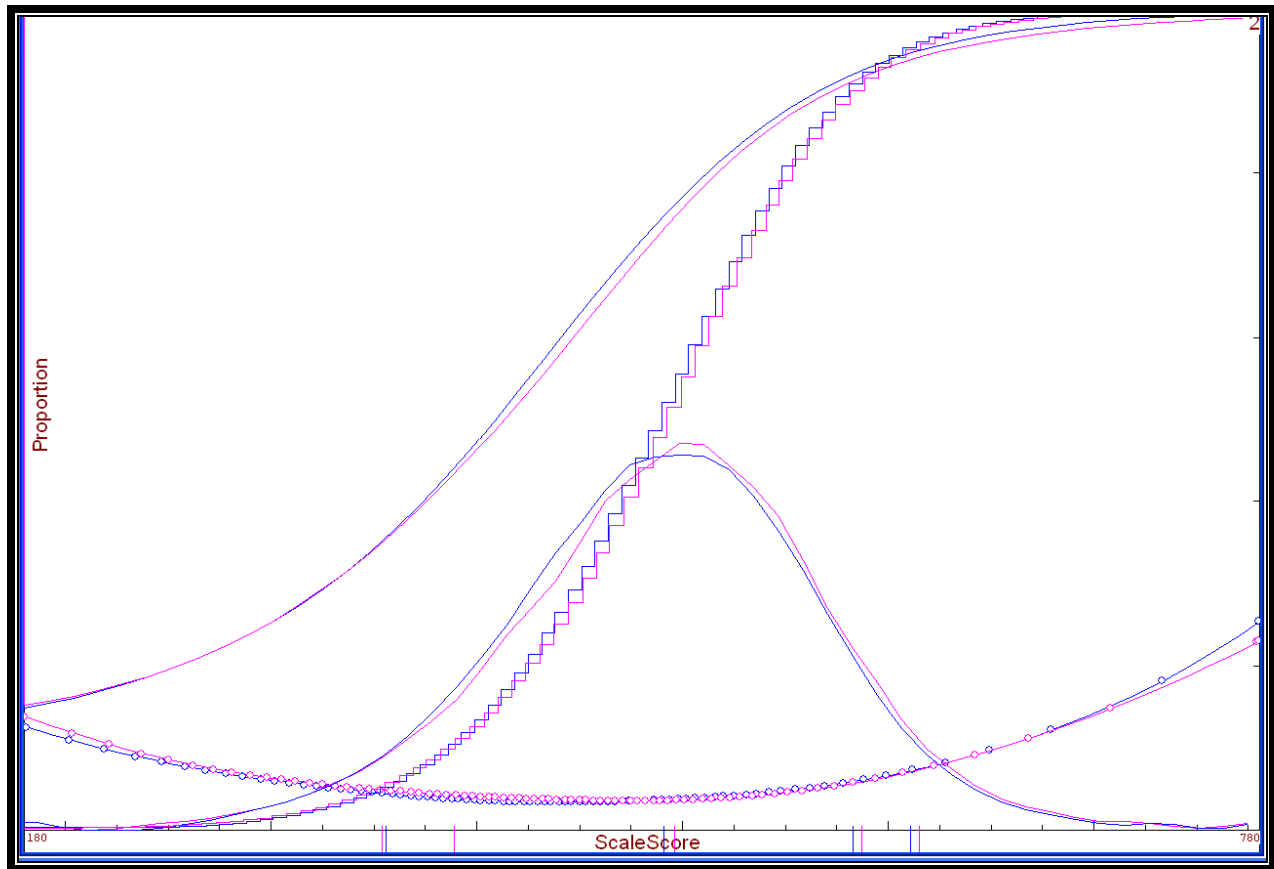
Figure 20. CSAP Grade 4 Mathematics Operational Tests (Blue=2008, Pink=2009)

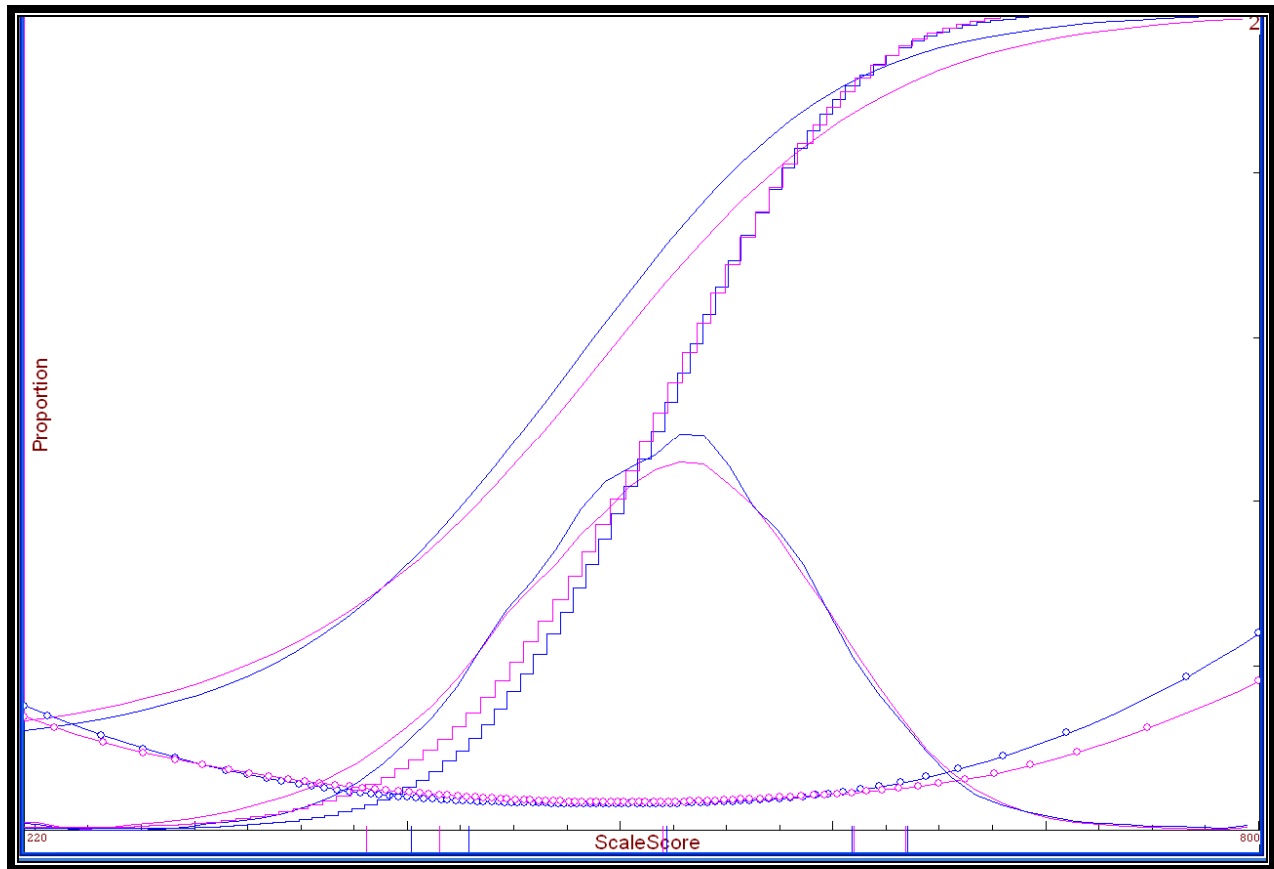
Figure 21. CSAP Grade 5 Mathematics Operational Tests (Blue=2008, Pink=2009)

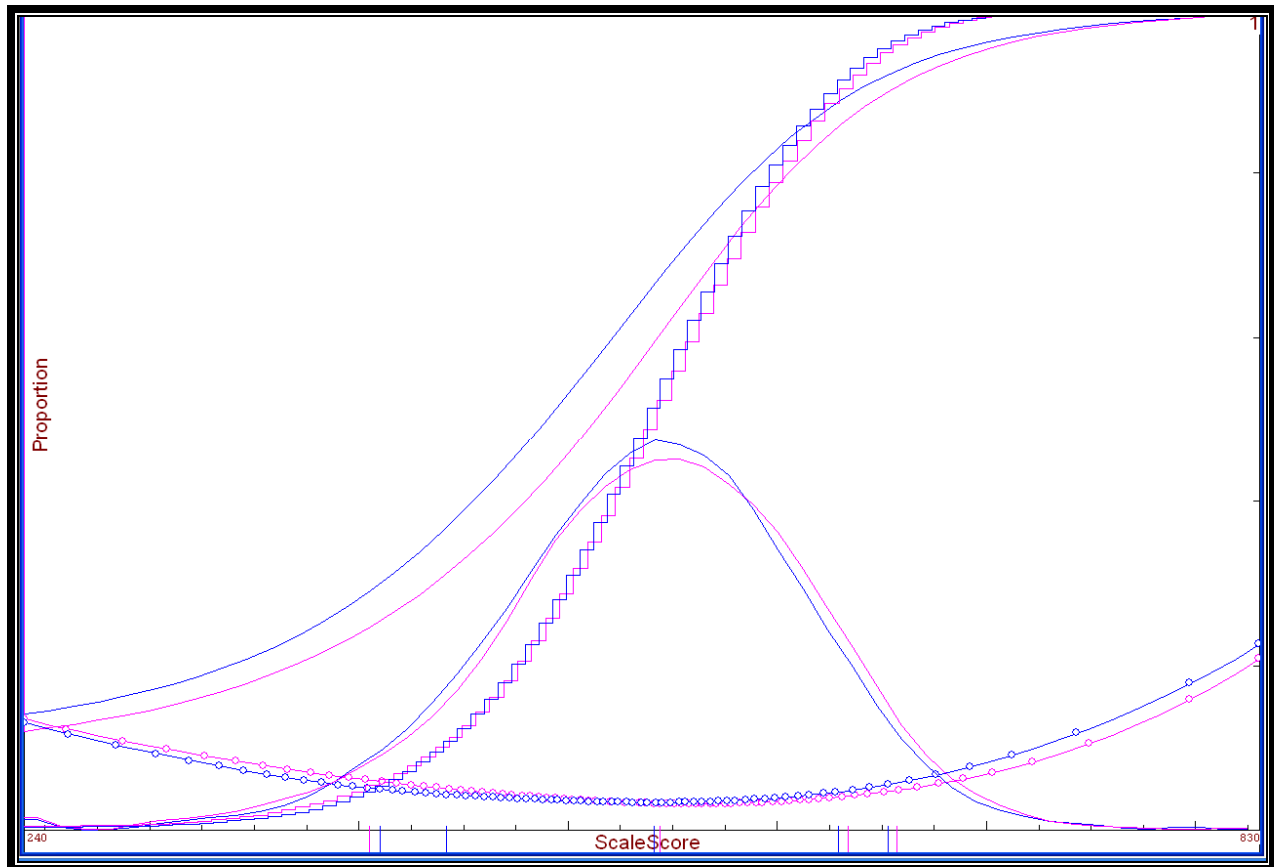
Figure 22. CSAP Grade 6 Mathematics Operational Tests (Blue=2008, Pink=2009)

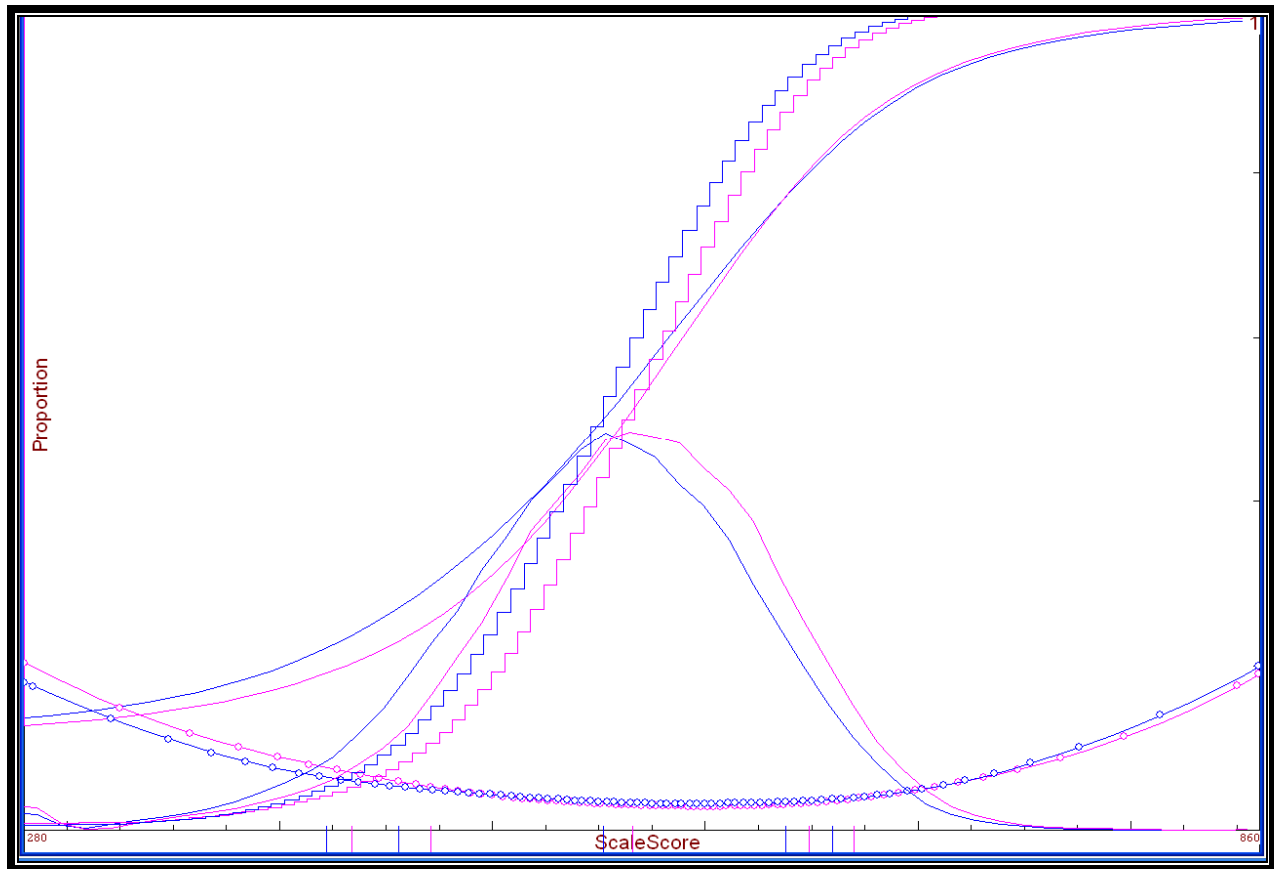
Figure 23. CSAP Grade 7 Mathematics Operational Tests (Blue=2008, Pink=2009)

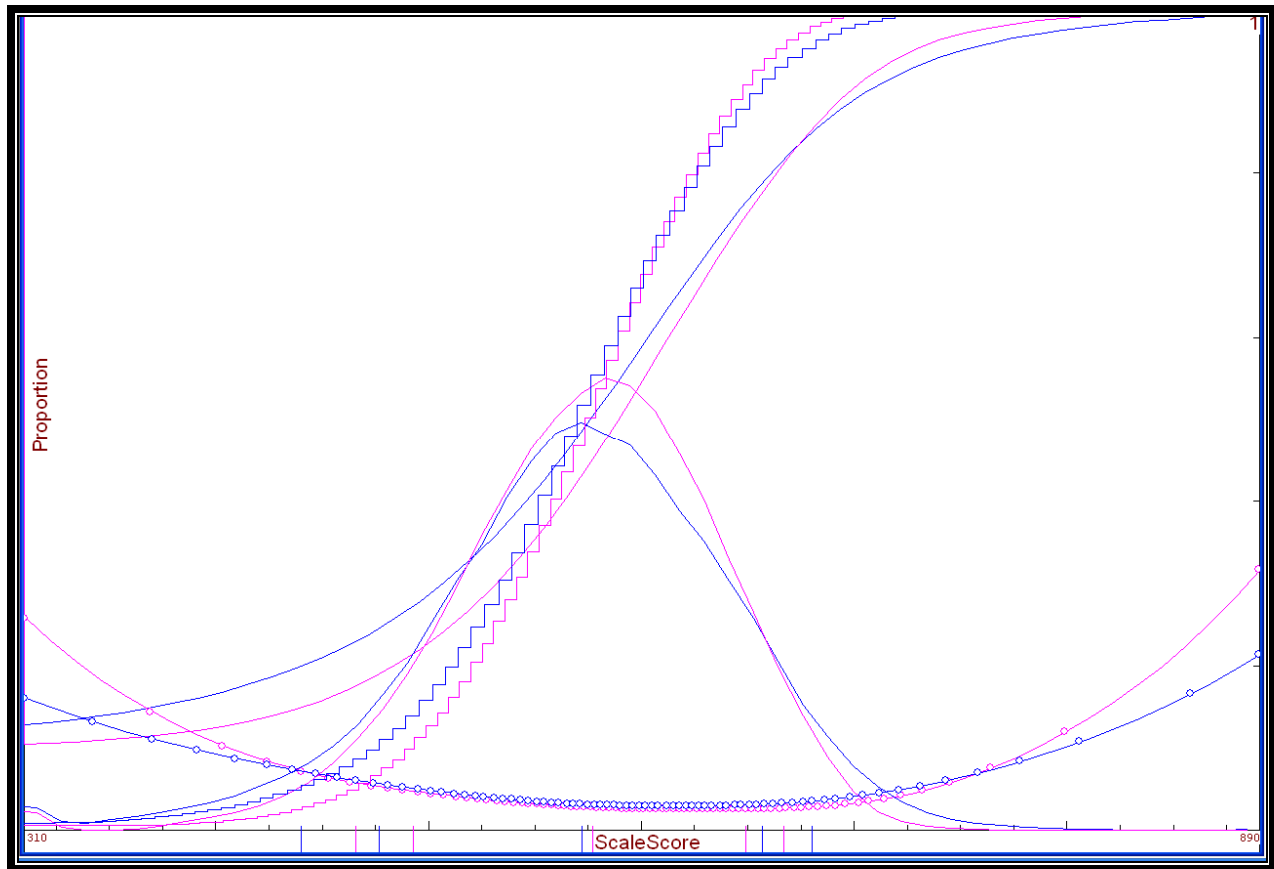
Figure 24. CSAP Grade 8 Mathematics Operational Tests (Blue=2008, Pink=2009)

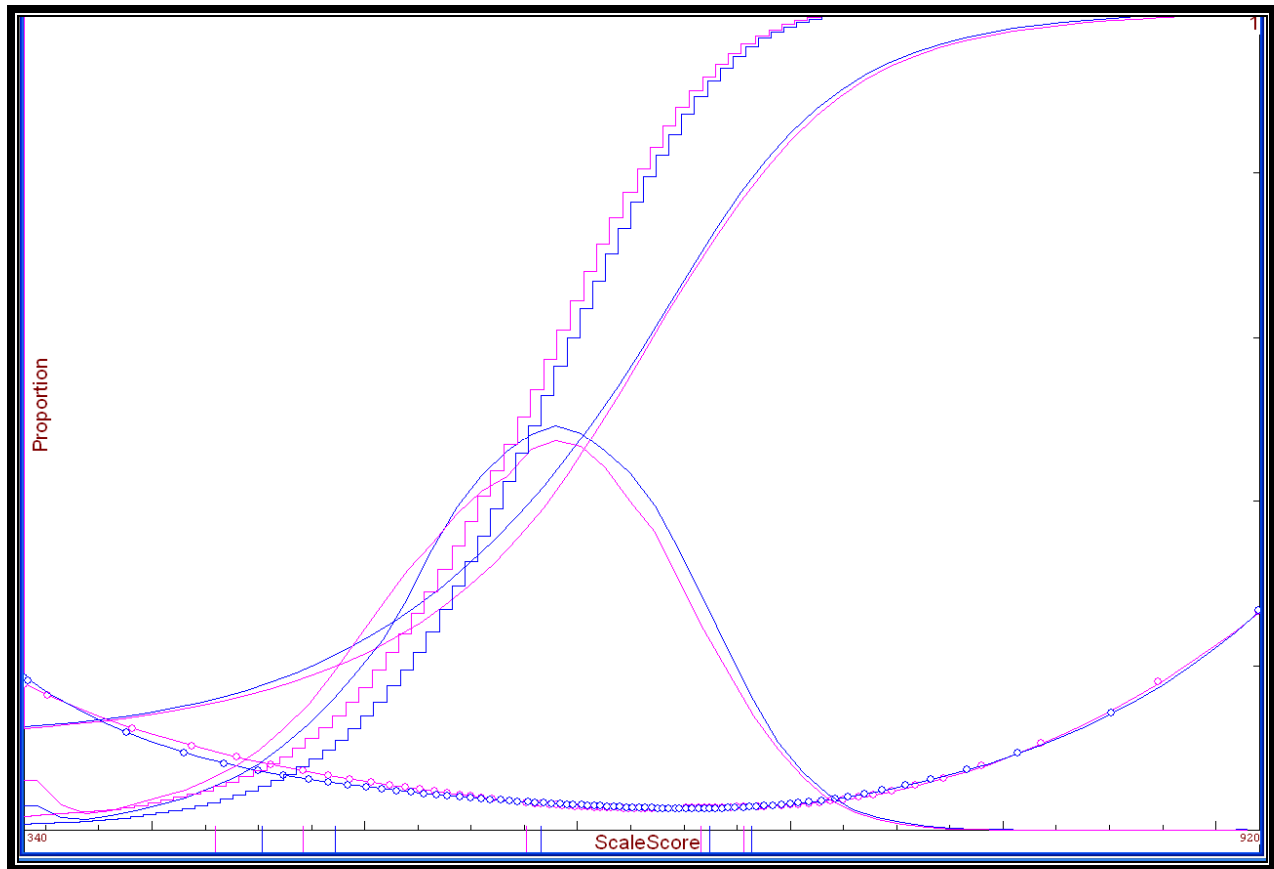
Figure 25. CSAP Grade 9 Mathematics Operational Tests (Blue=2008, Pink=2009)

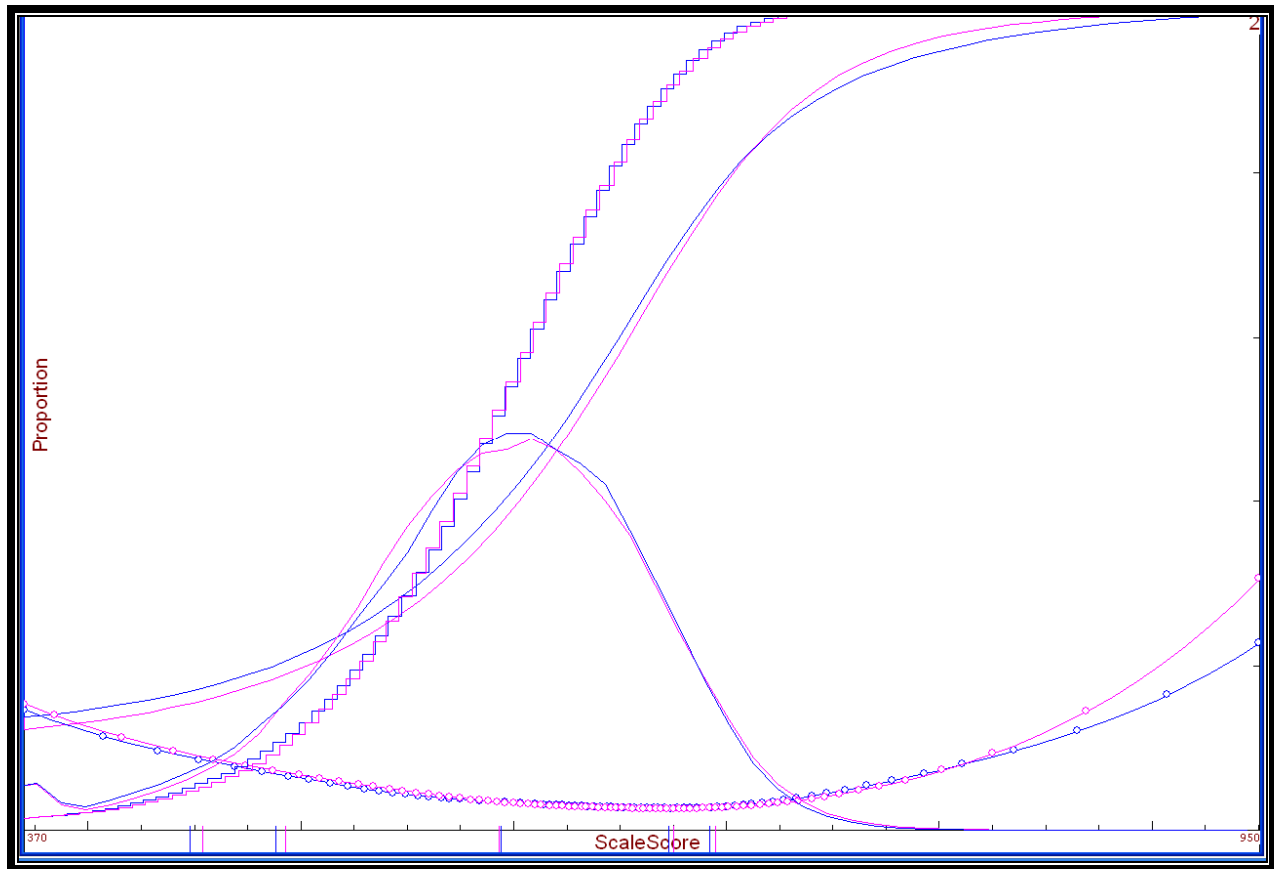
Figure 26. CSAP Grade 10 Mathematics Operational Tests (Blue=2008, Pink=2009)

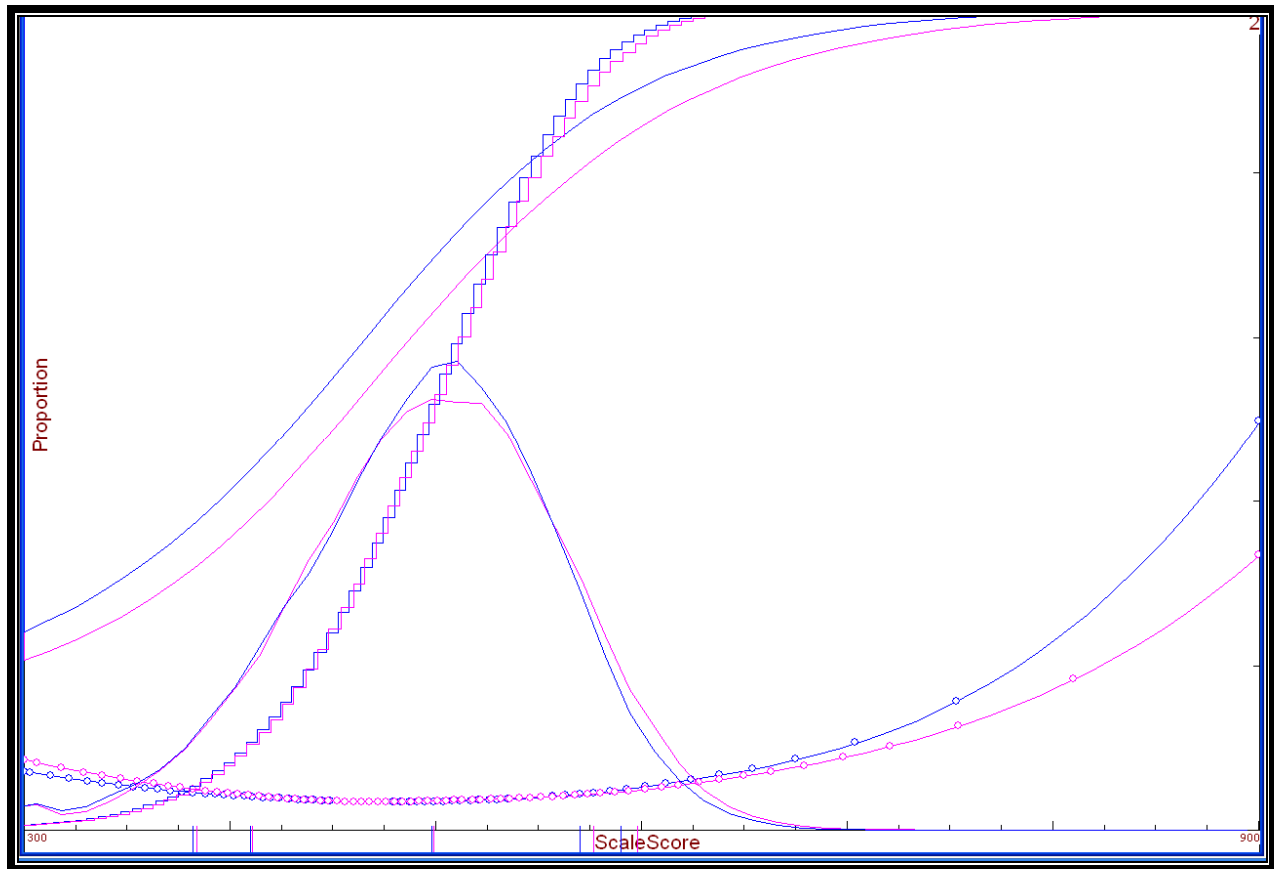
Figure 27. CSAP Grade 5 Science Operational Tests (Blue=2008, Pink=2009)

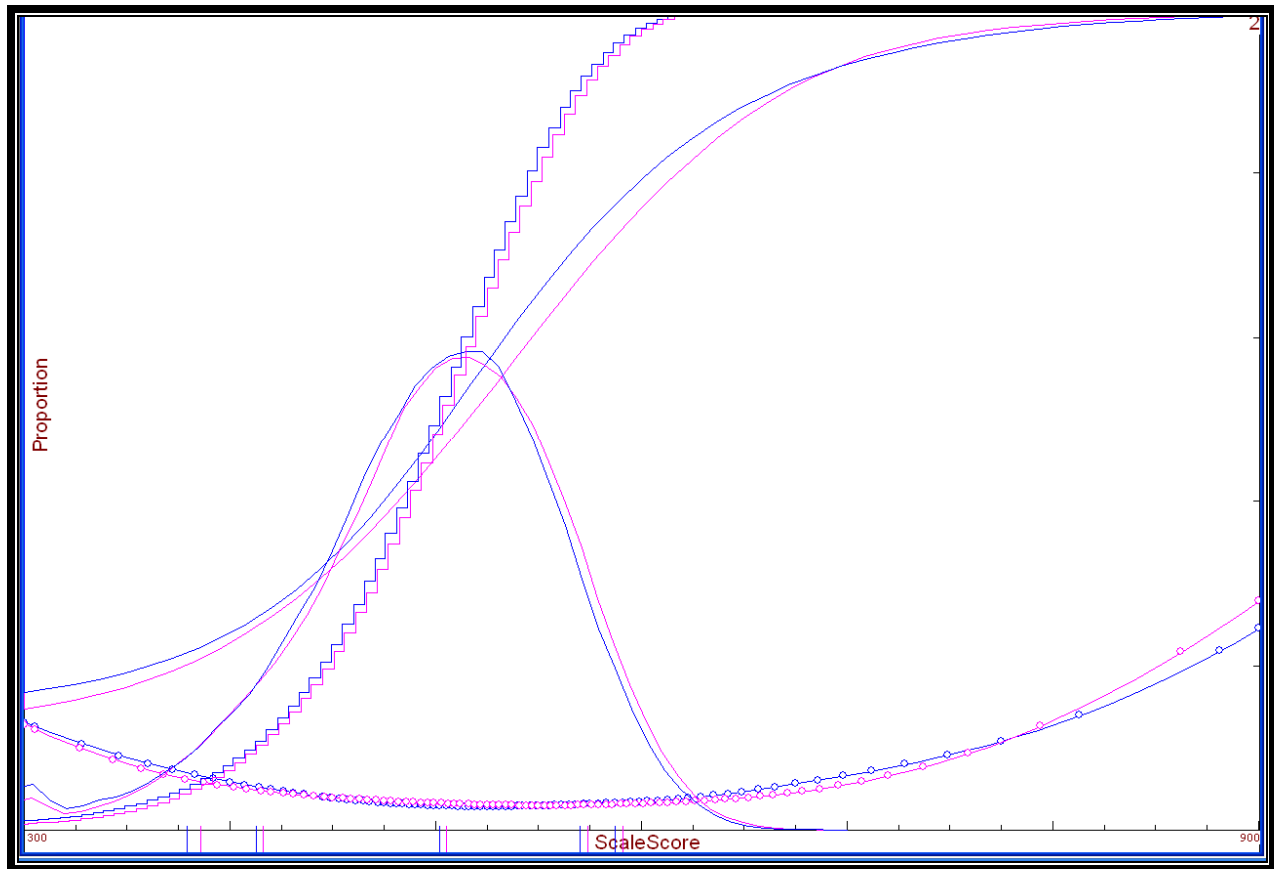
Figure 28. CSAP Grade 8 Science Operational Tests (Blue=2008, Pink=2009)

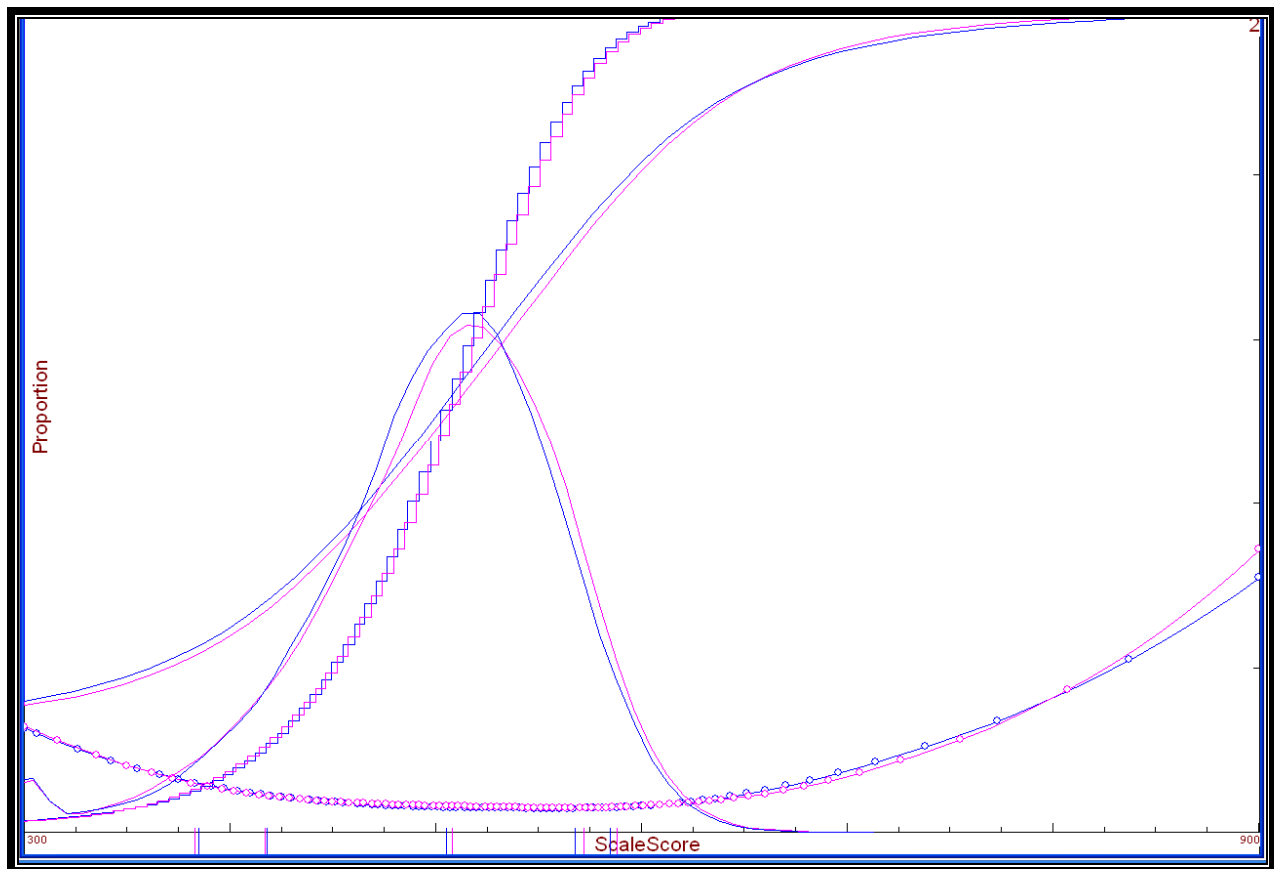
Figure 29. CSAP Grade 10 Science Operational Tests (Blue=2008, Pink=2009)

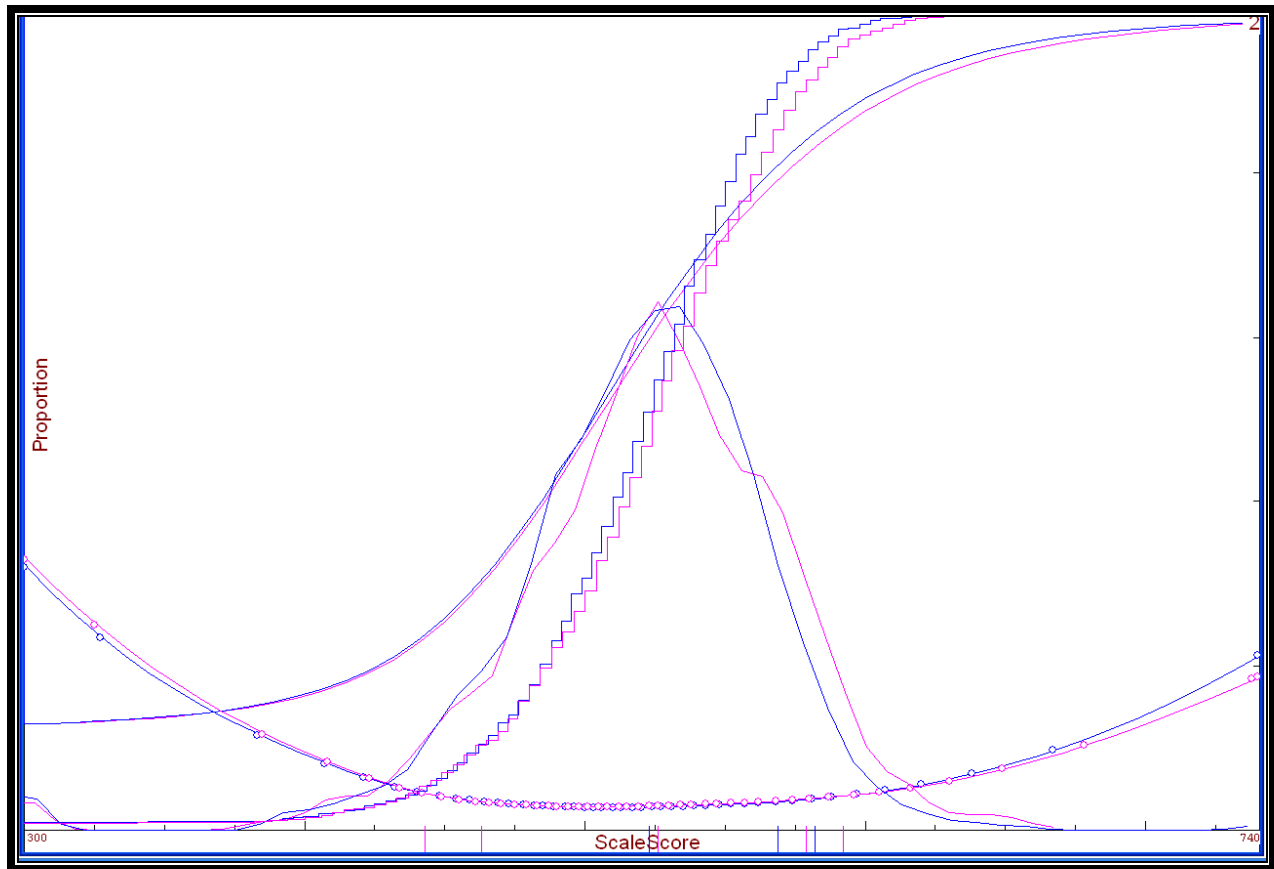
Figure 30. CSAP Grade 3 Spanish Reading Operational Tests (Blue=2008, Pink=2009)

Figure 31. CSAP Grade 4 Spanish Reading Operational Tests

Note: As this content was preequated, final transformed parameters were used and no graphical frequency distribution information is available. 2008 and 2009 parameters and curves are identical.

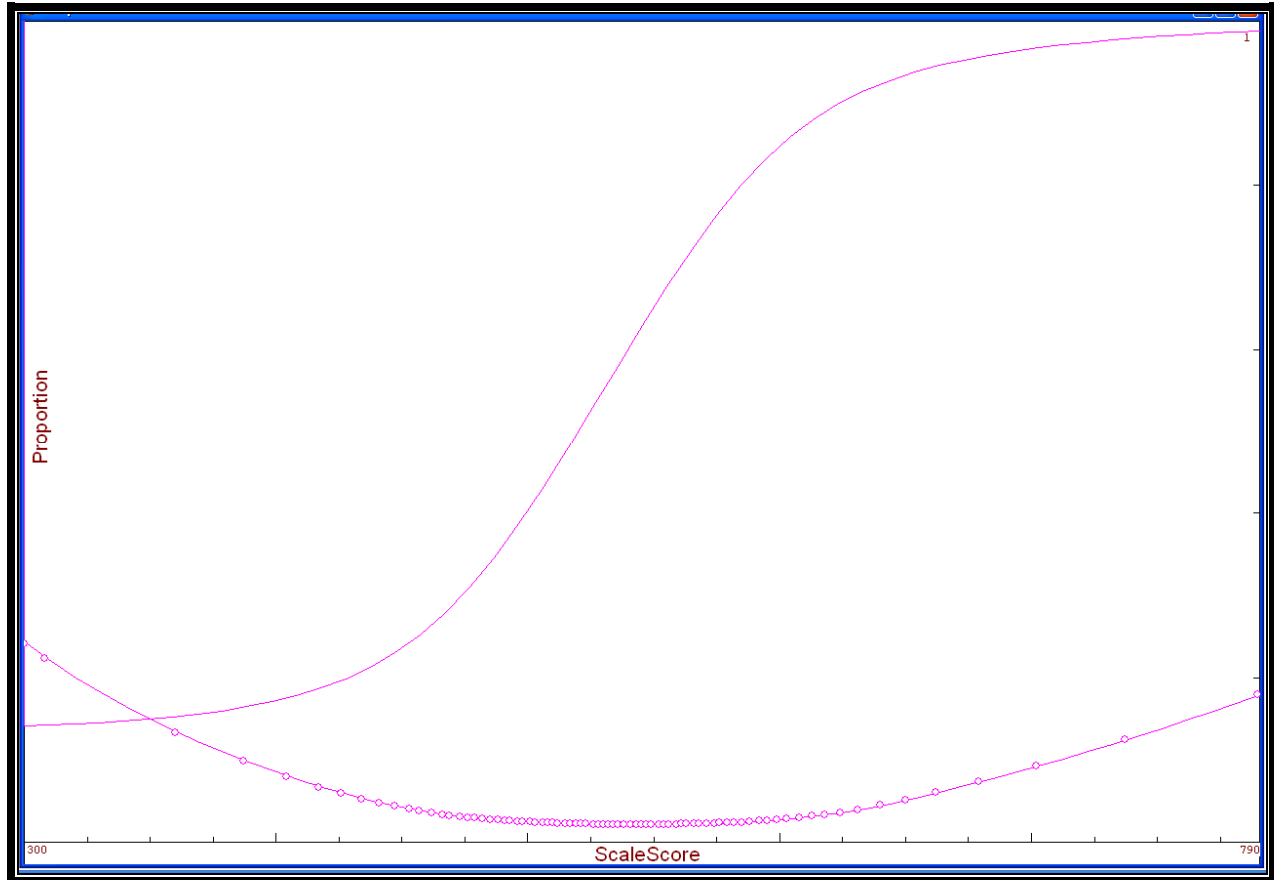


Figure 32. CSAP Grade 3 Spanish Writing Operational Tests

Note: As this content was preequated, final transformed parameters were used and no graphical frequency distribution information is available. 2008 and 2009 parameters and curves are identical.

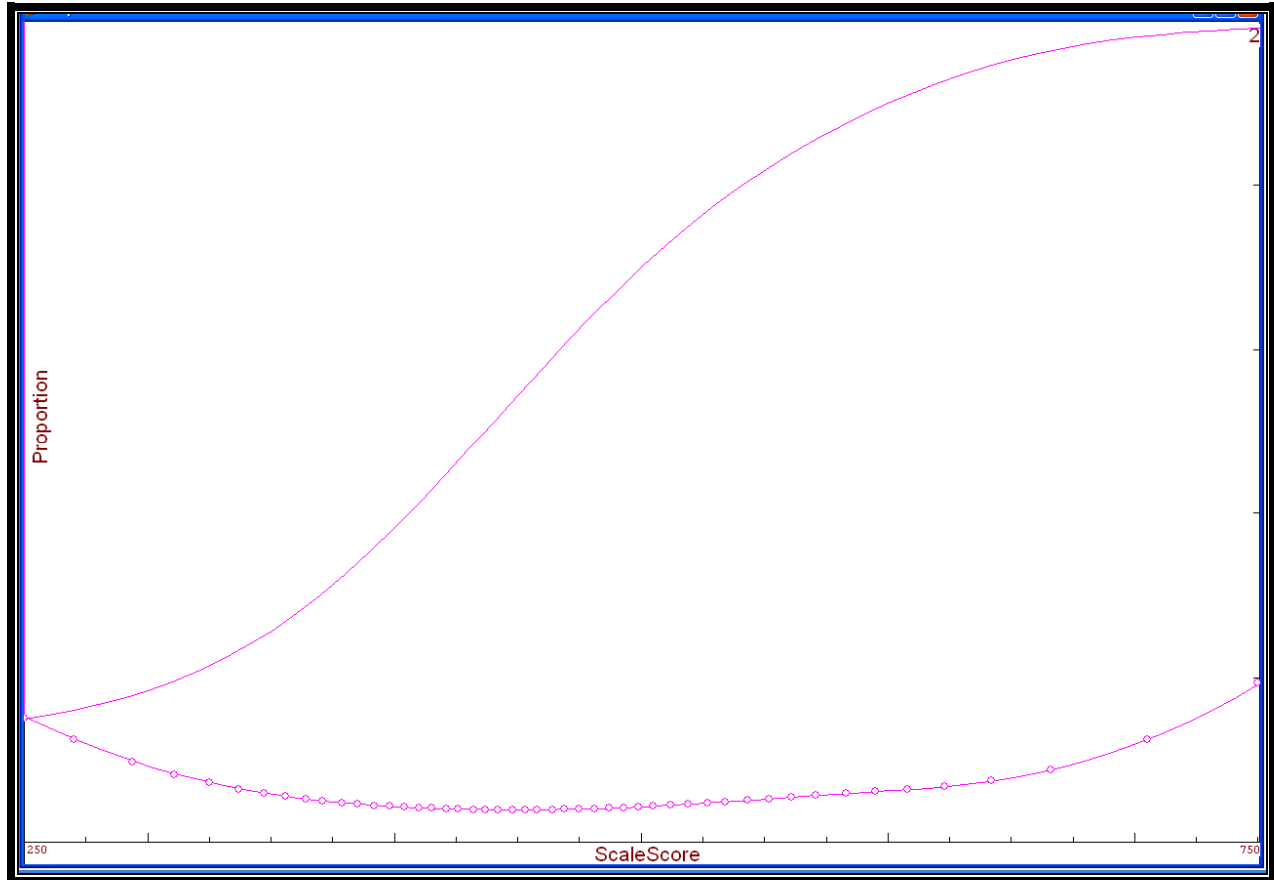


Figure 33. CSAP Grade 4 Spanish Writing Operational Tests

Note: As this content was preequated, final transformed parameters were used and no graphical frequency distribution information is available. 2008 and 2009 parameters and curves are identical.

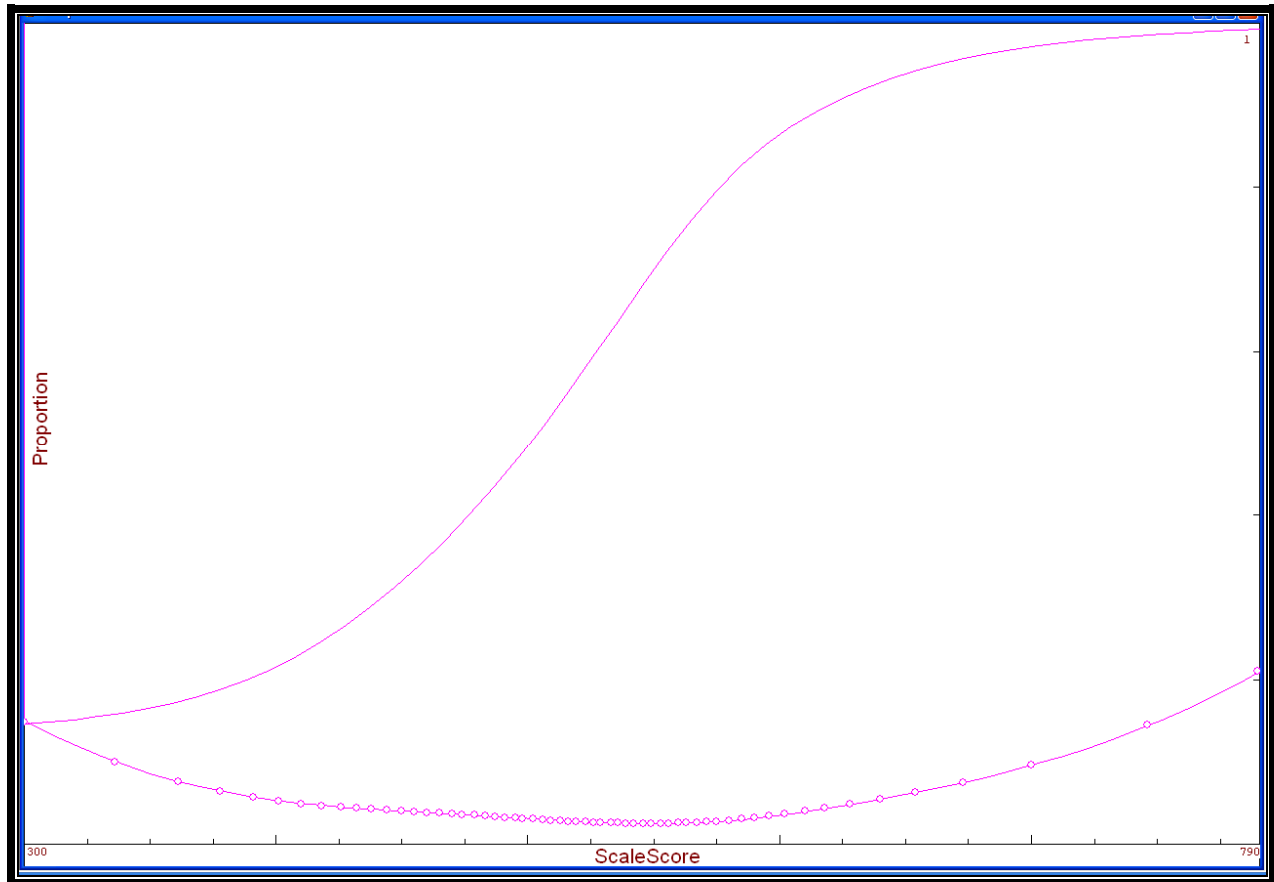


Figure 34. Reading 3 Scale Score Distributions for the Total Population, Female, and Male Students

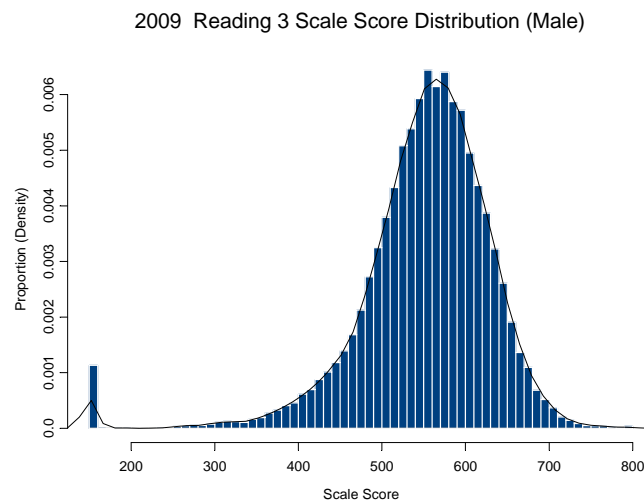
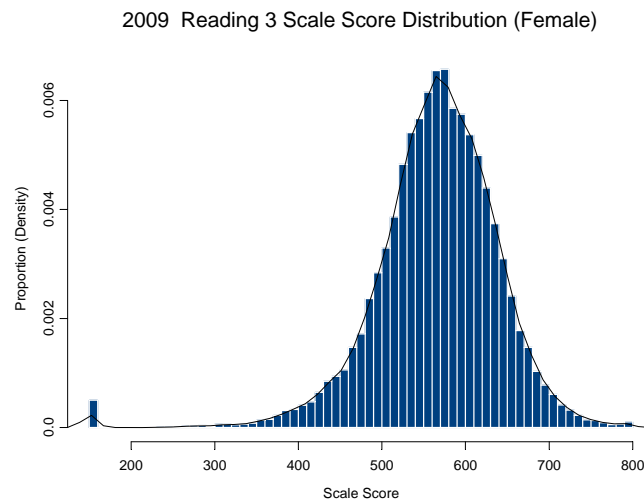
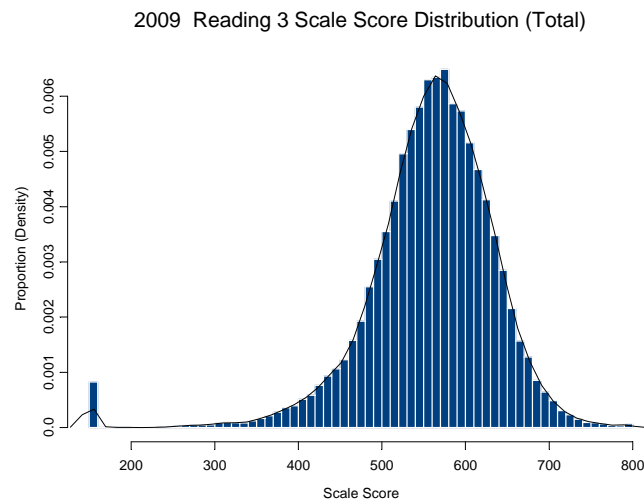
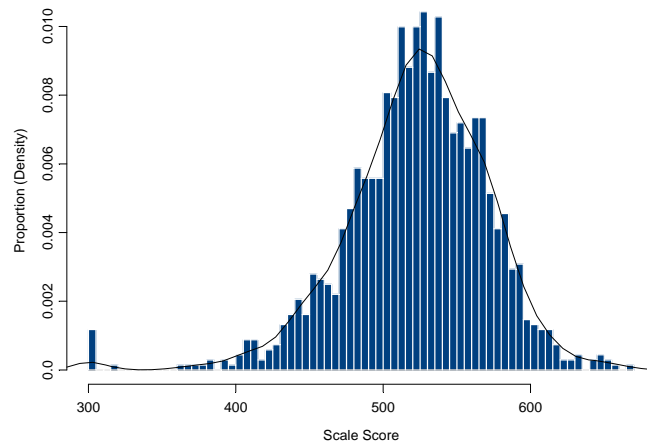
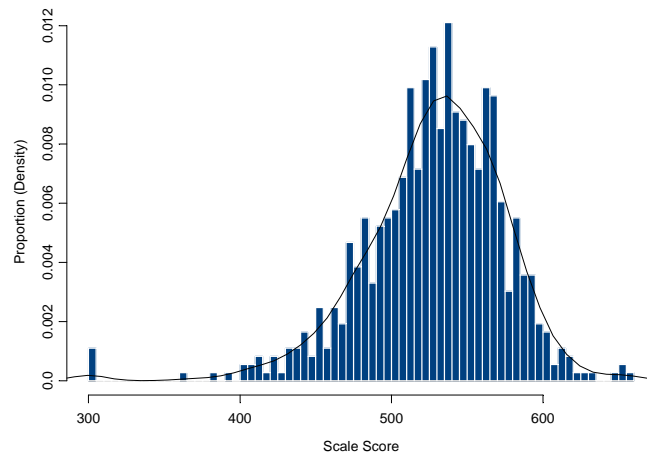


Figure 35. Spanish Reading 3 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Spanish Reading 3 Scale Score Distribution (Total)



2009 Spanish Reading 3 Scale Score Distribution (Female)



2009 Spanish Reading 3 Scale Score Distribution (Male)

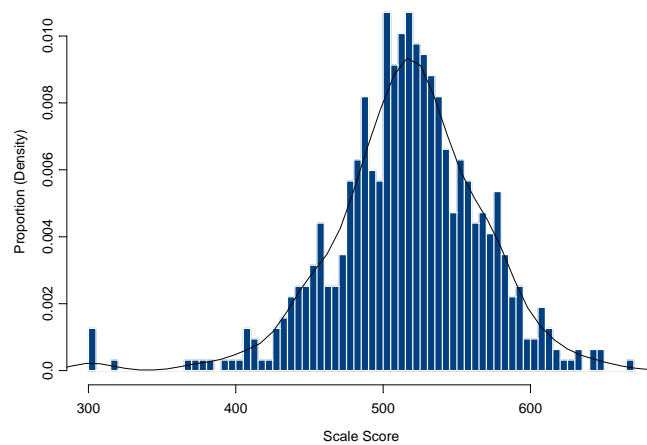
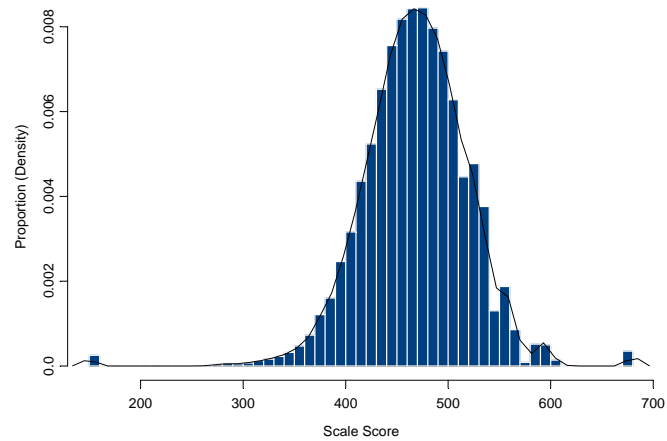
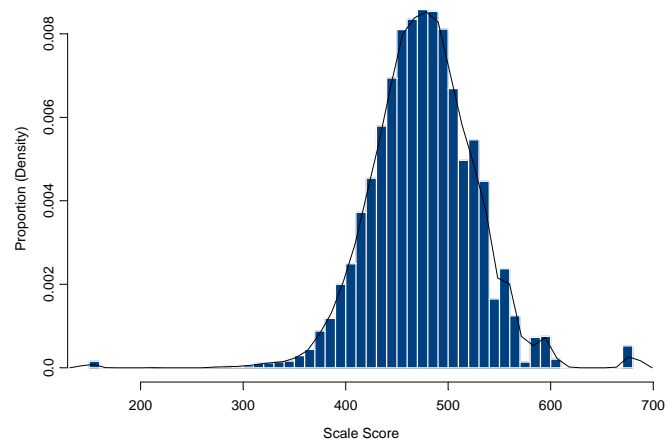


Figure 36. Writing 3 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Writing 3 Scale Score Distribution (Total)



2009 Writing 3 Scale Score Distribution (Female)



2009 Writing 3 Scale Score Distribution (Male)

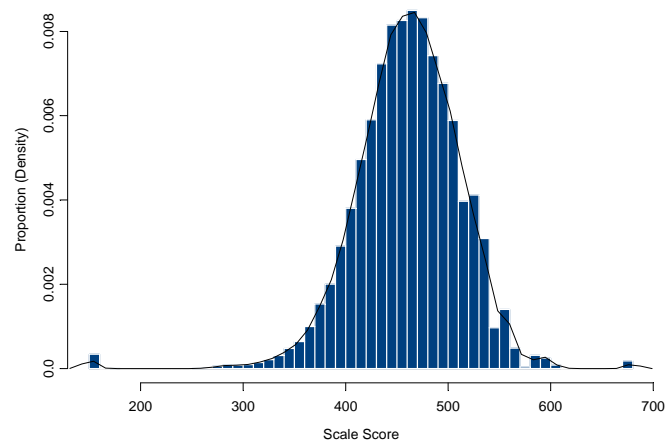
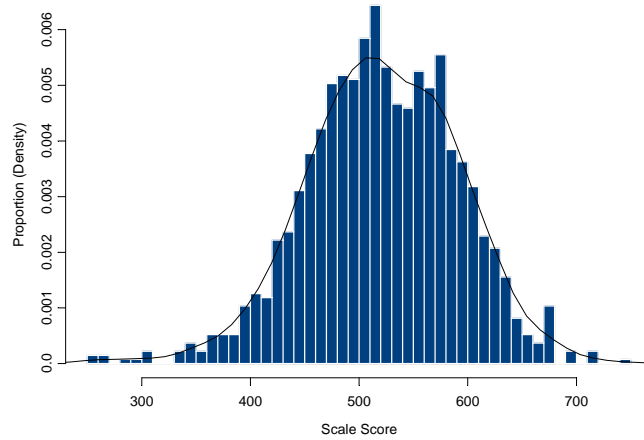
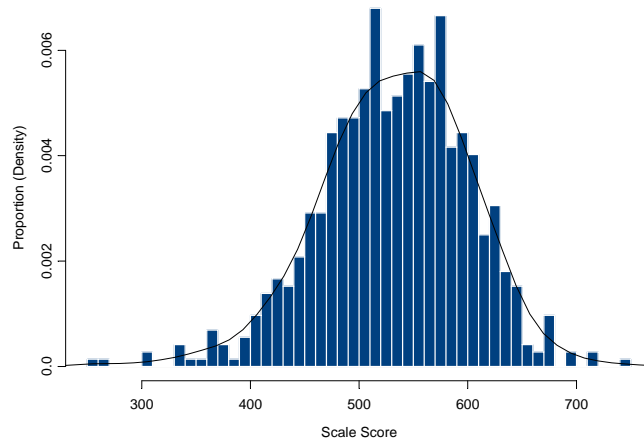


Figure 37. Spanish Writing 3 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Spanish Writing 3 Scale Score Distribution (Total)



2009 Spanish Writing 3 Scale Score Distribution (Female)



2009 Spanish Writing 3 Scale Score Distribution (Male)

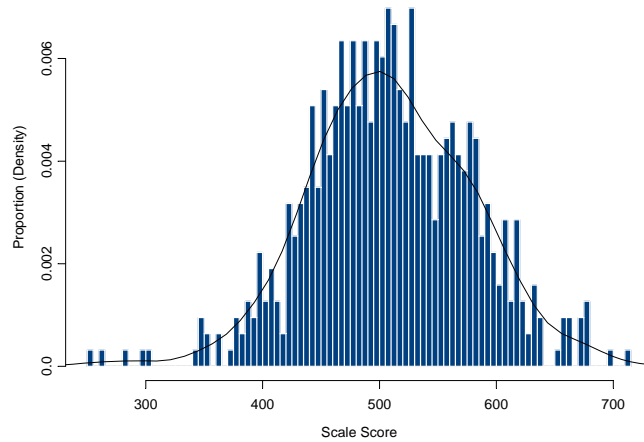
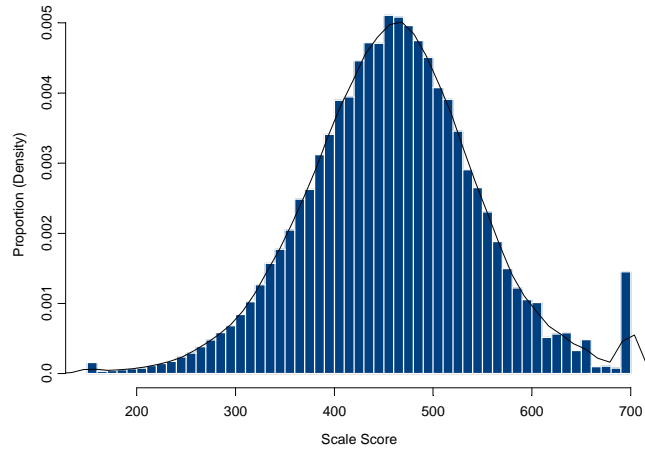
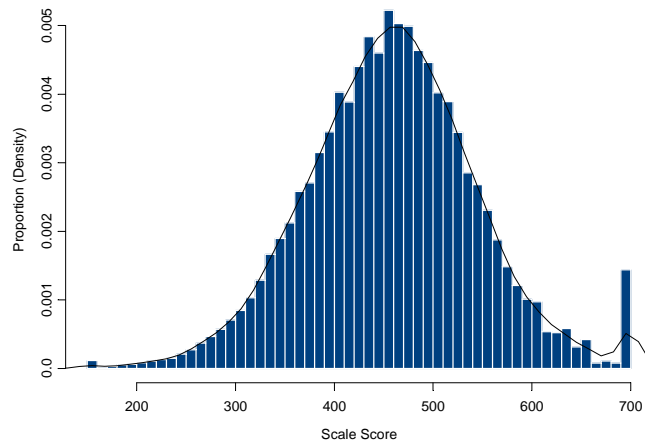


Figure 38. Mathematics 3 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Mathematics 3 Scale Score Distribution (Total)



2009 Mathematics 3 Scale Score Distribution (Female)



2009 Mathematics 3 Scale Score Distribution (Male)

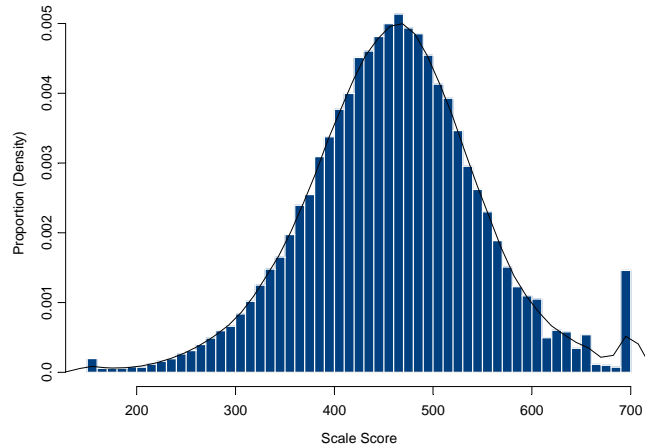


Figure 39. Reading 4 Scale Score Distributions for the Total Population, Female, and Male Students

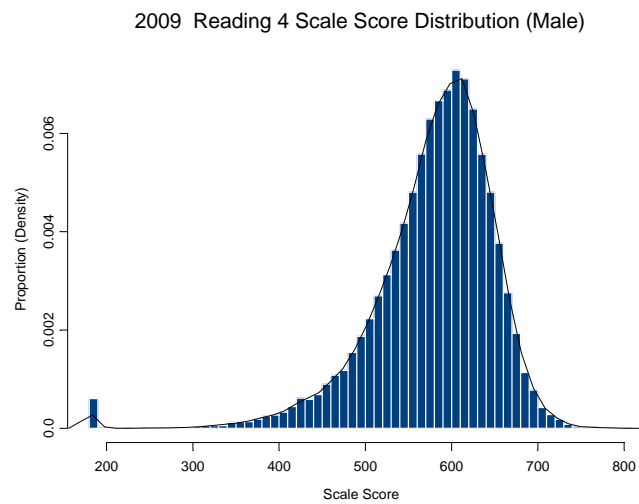
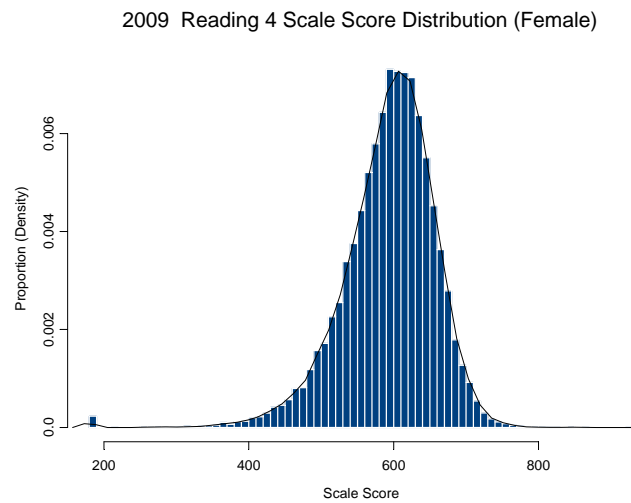
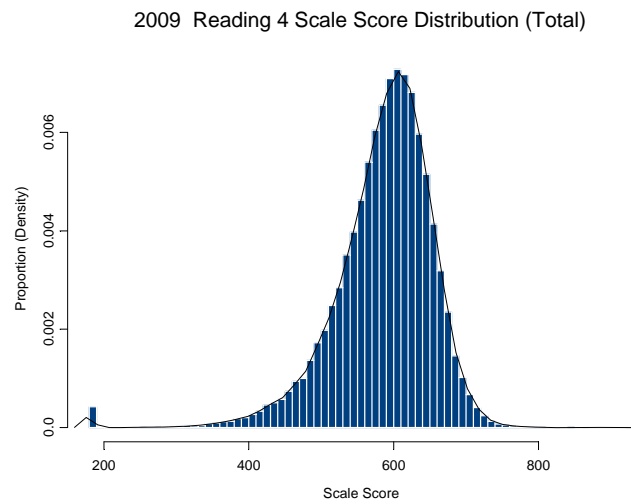


Figure 40. Spanish Reading 4 Scale Score Distributions for the Total Population, Female, and Male Students

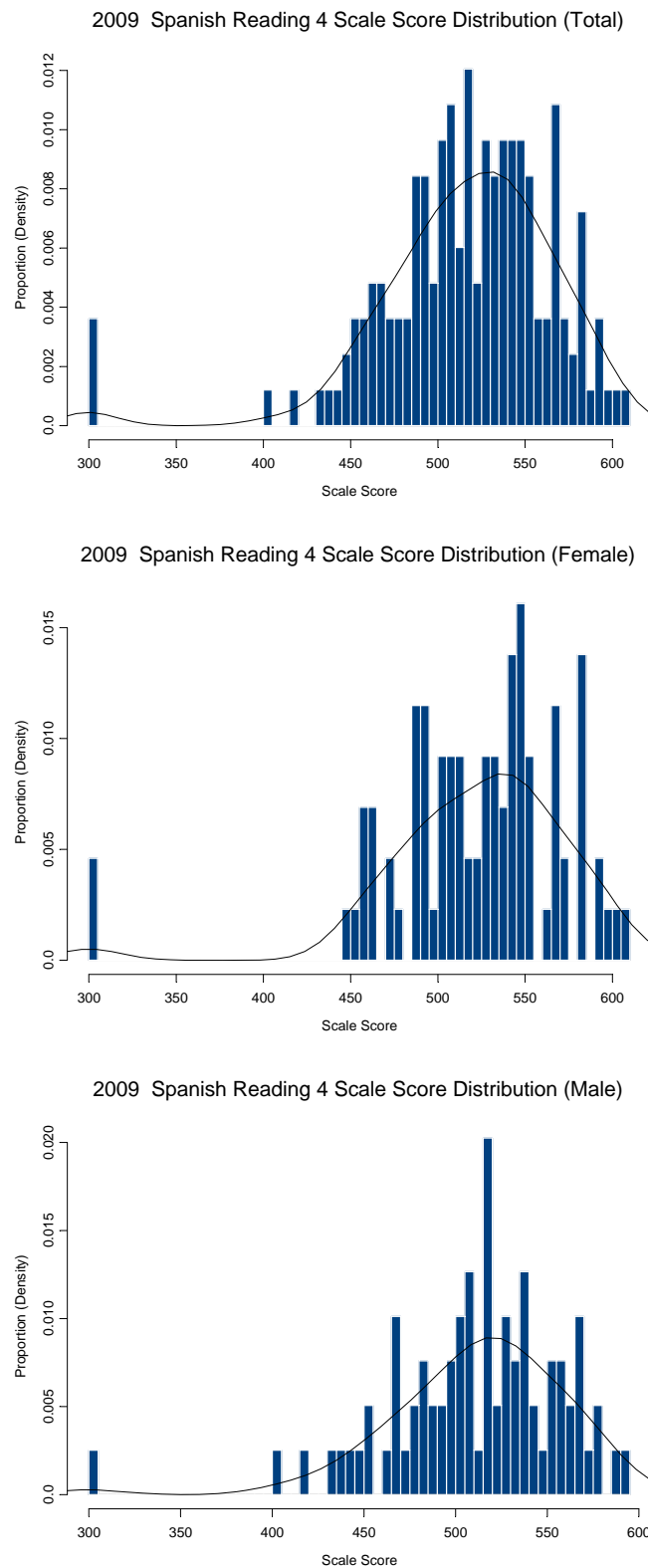


Figure 41. Writing 4 Scale Score Distributions for the Total Population, Female, and Male Students

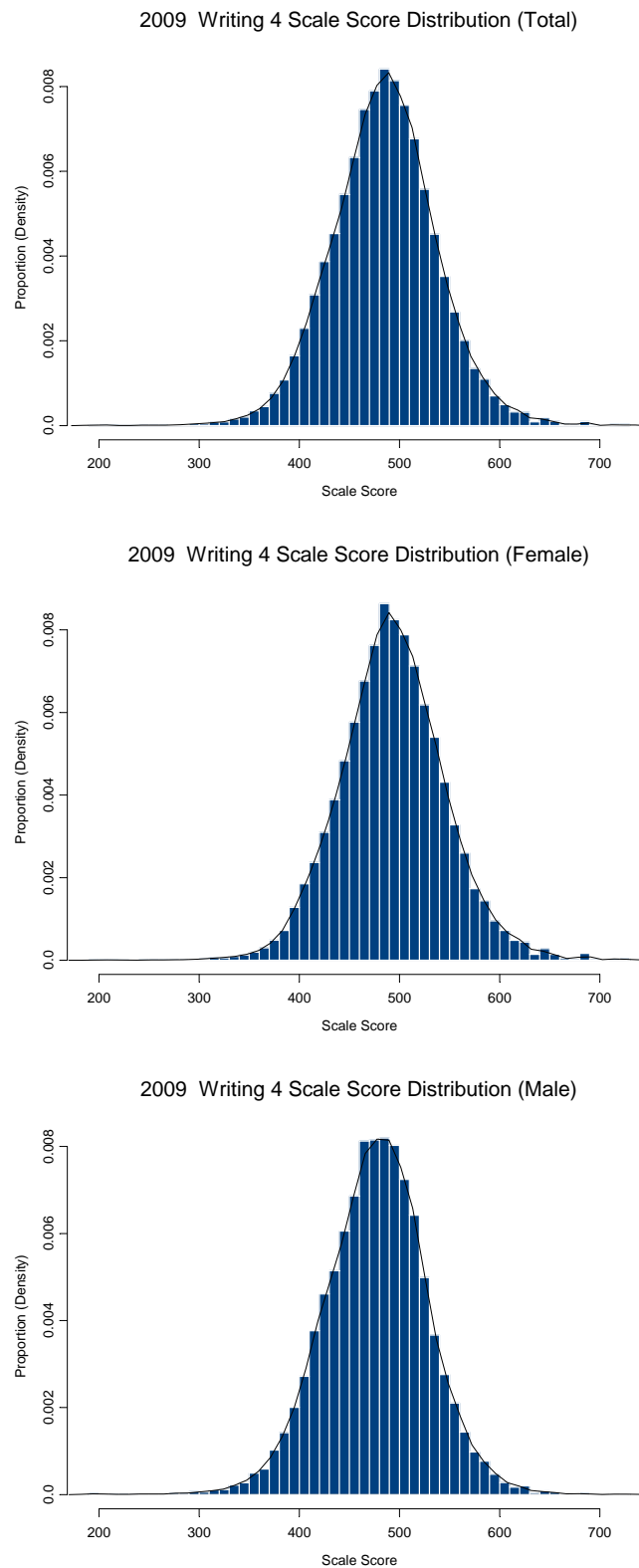


Figure 42. Spanish Writing 4 Scale Score Distributions for the Total Population, Female, and Male Students

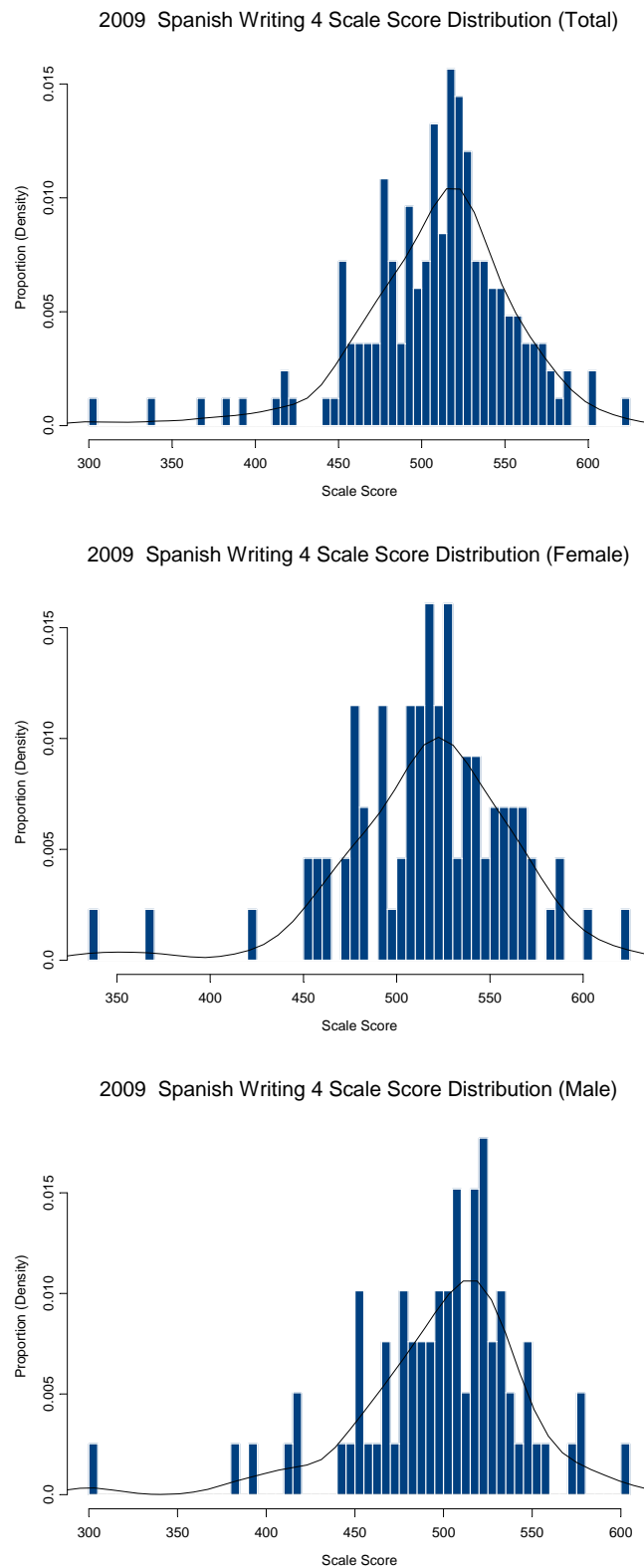
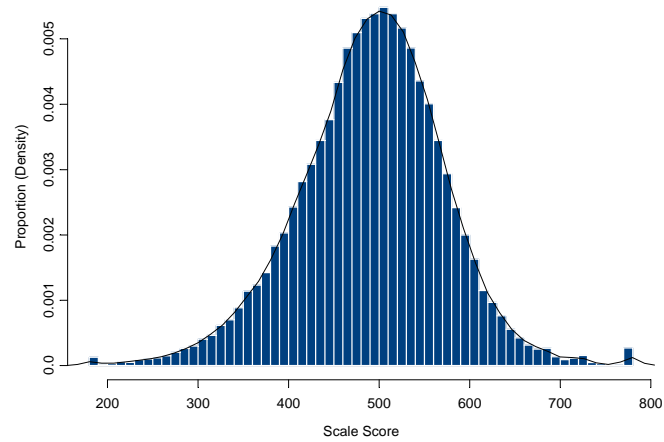
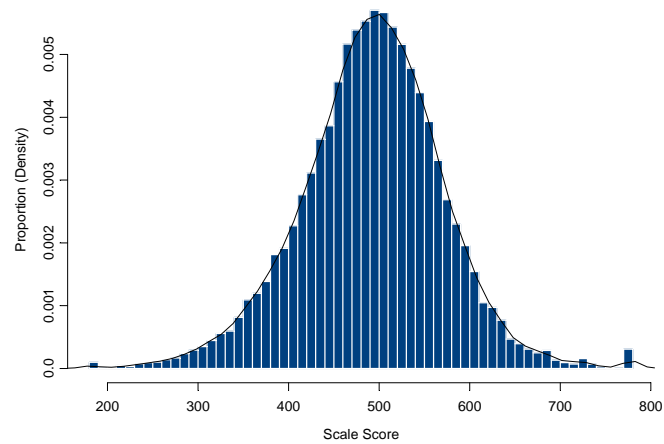


Figure 43. Mathematics 4 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Mathematics 4 Scale Score Distribution (Total)



2009 Mathematics 4 Scale Score Distribution (Female)



2009 Mathematics 4 Scale Score Distribution (Male)

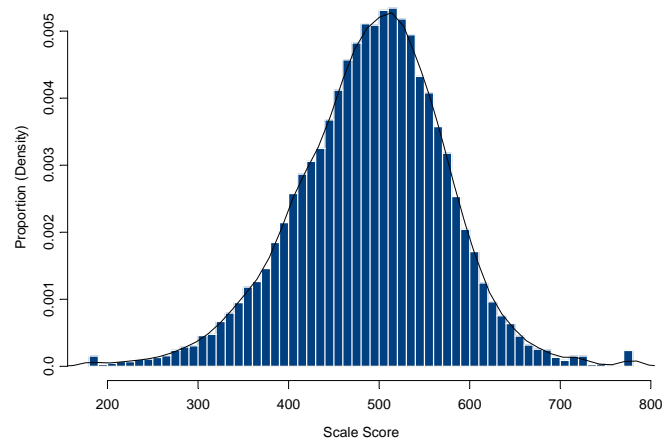
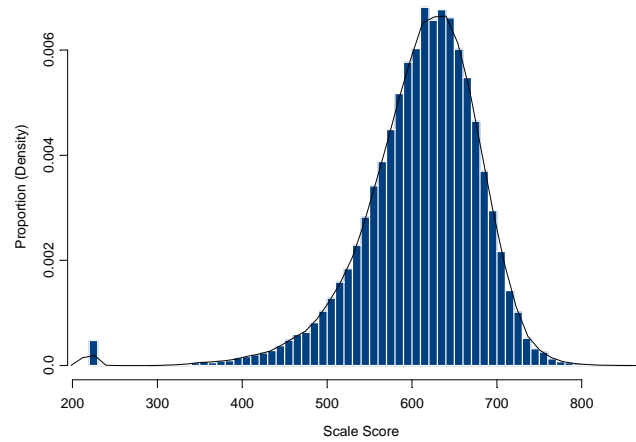
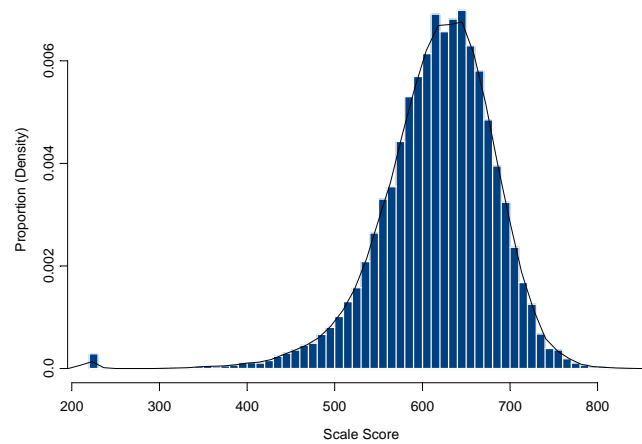


Figure 44. Reading 5 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Reading 5 Scale Score Distribution (Total)



2009 Reading 5 Scale Score Distribution (Female)



2009 Reading 5 Scale Score Distribution (Male)

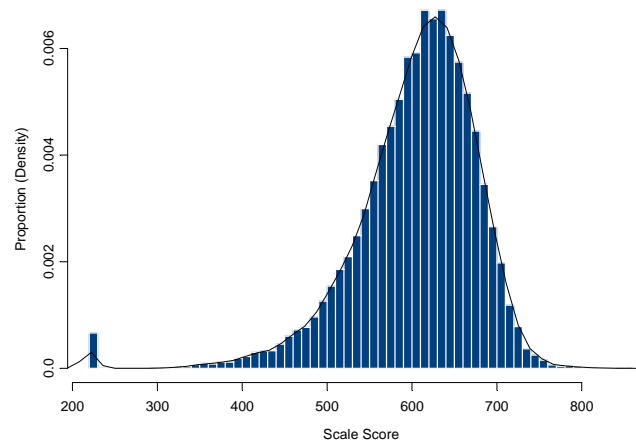


Figure 45. Writing 5 Scale Score Distributions for the Total Population, Female, and Male Students

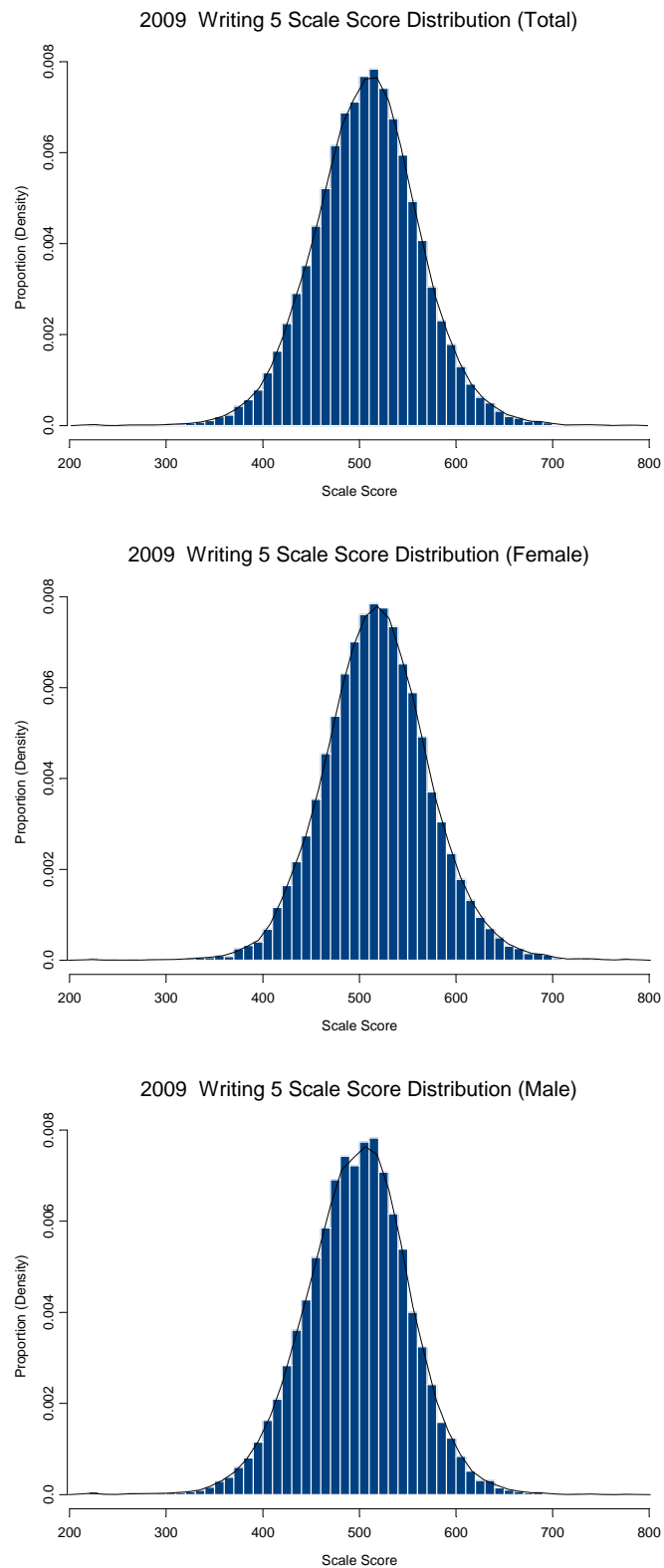
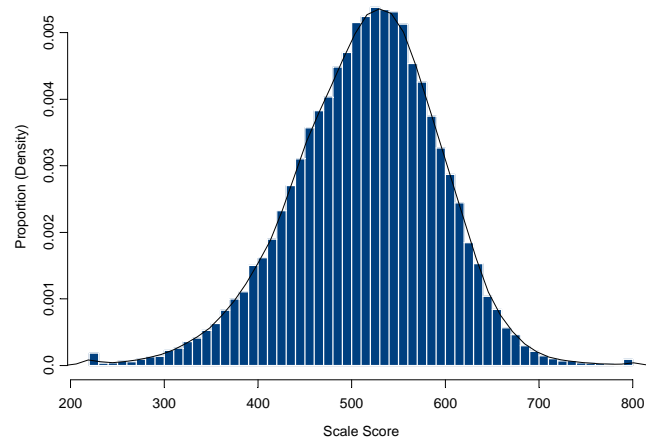
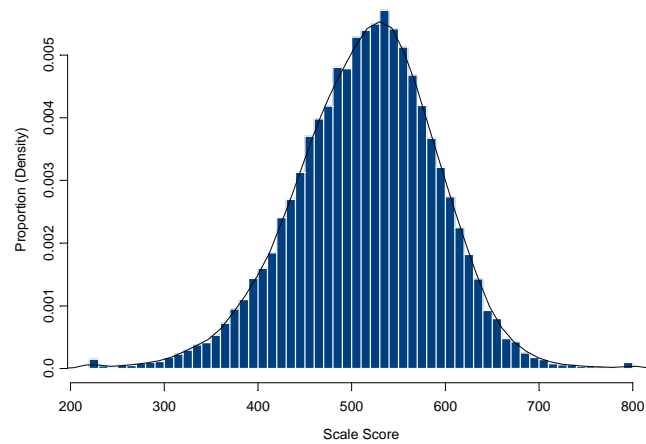


Figure 46. Mathematics 5 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Mathematics 5 Scale Score Distribution (Total)



2009 Mathematics 5 Scale Score Distribution (Female)



2009 Mathematics 5 Scale Score Distribution (Male)

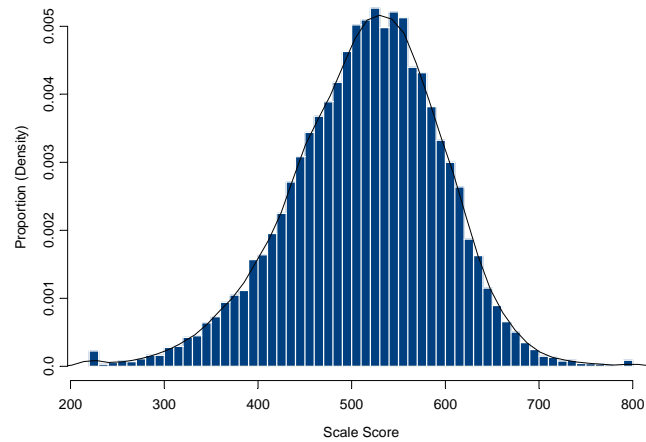


Figure 47. Science 5 Scale Score Distributions for the Total Population, Female, and Male Students

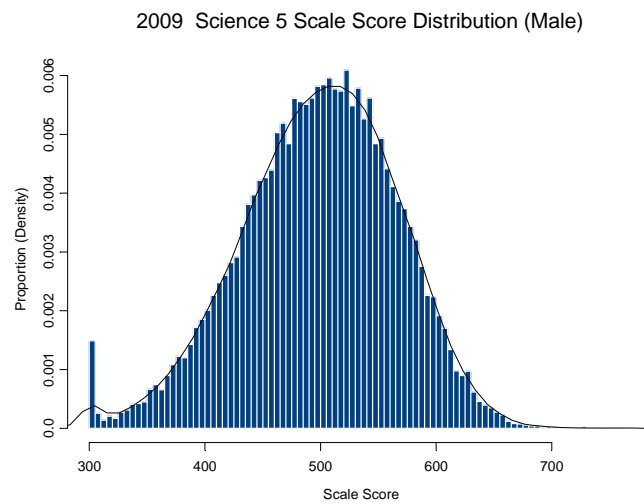
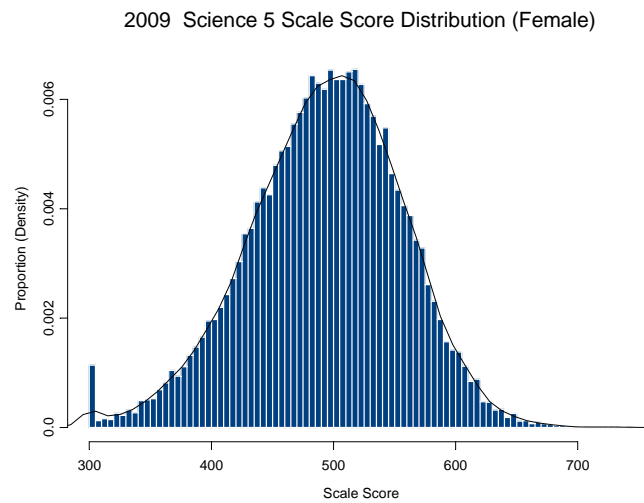
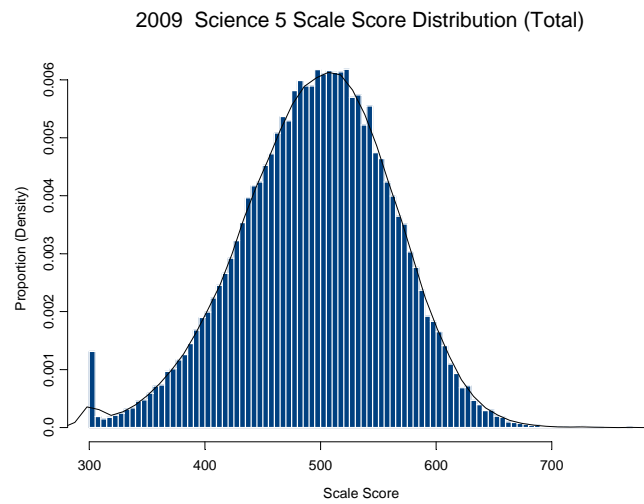


Figure 48. Reading 6 Scale Score Distributions for the Total Population, Female, and Male Students

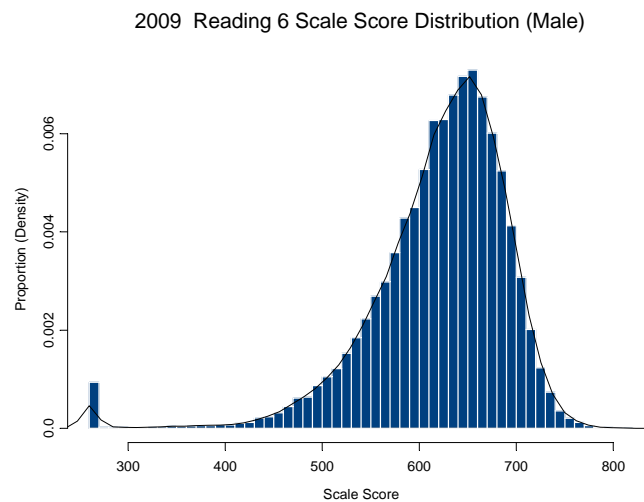
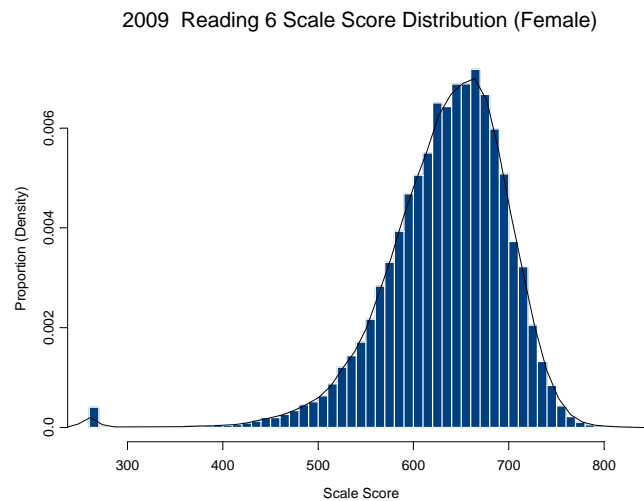
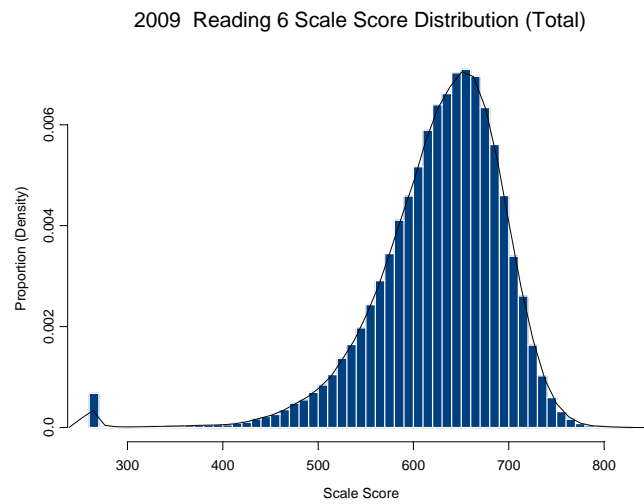
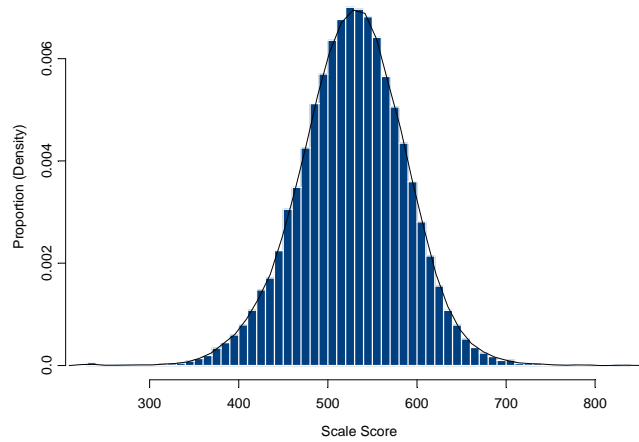
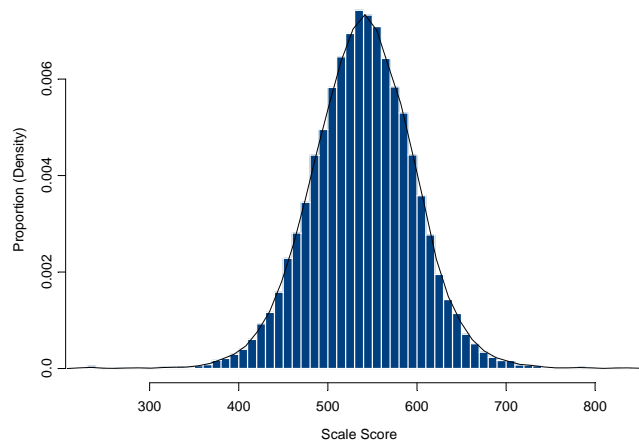


Figure 49. Writing 6 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Writing 6 Scale Score Distribution (Total)



2009 Writing 6 Scale Score Distribution (Female)



2009 Writing 6 Scale Score Distribution (Male)

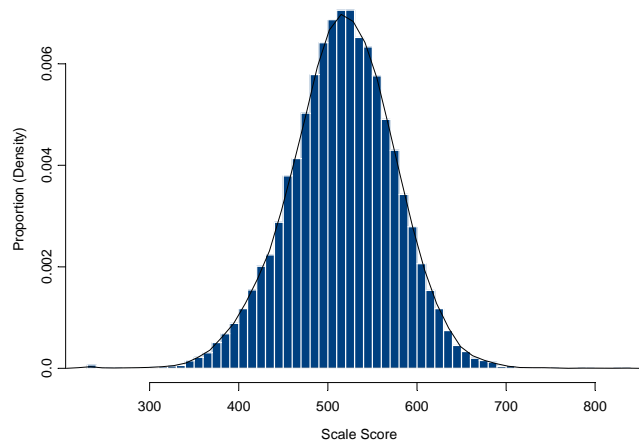
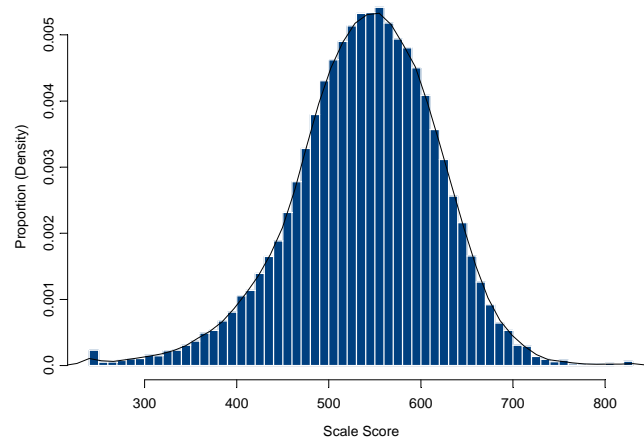
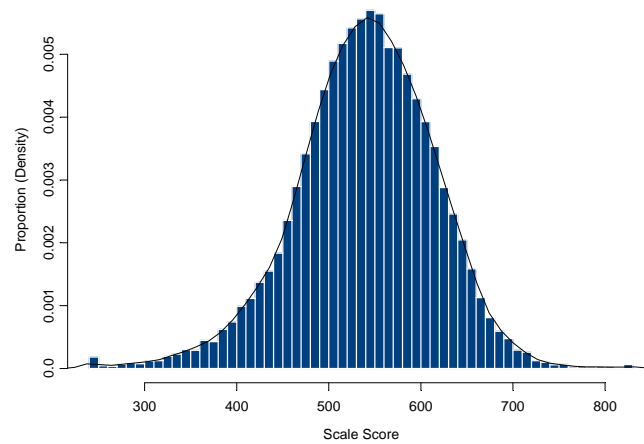


Figure 50. Mathematics 6 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Mathematics 6 Scale Score Distribution (Total)



2009 Mathematics 6 Scale Score Distribution (Female)



2009 Mathematics 6 Scale Score Distribution (Male)

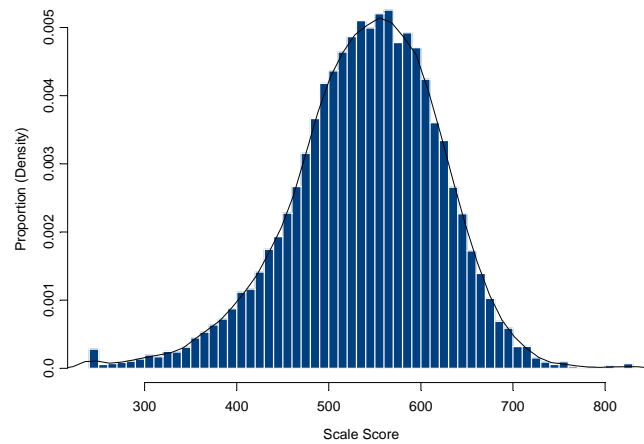
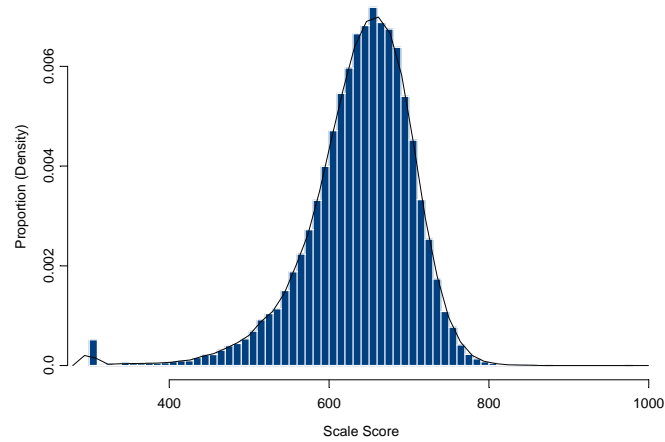
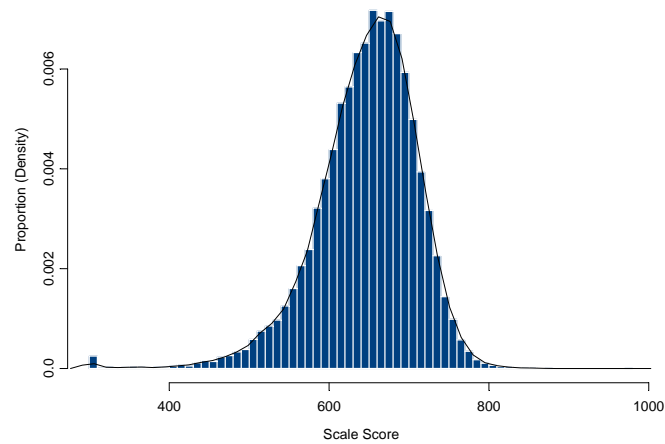


Figure 51. Reading 7 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Reading 7 Scale Score Distribution (Total)



2009 Reading 7 Scale Score Distribution (Female)



2009 Reading 7 Scale Score Distribution (Male)

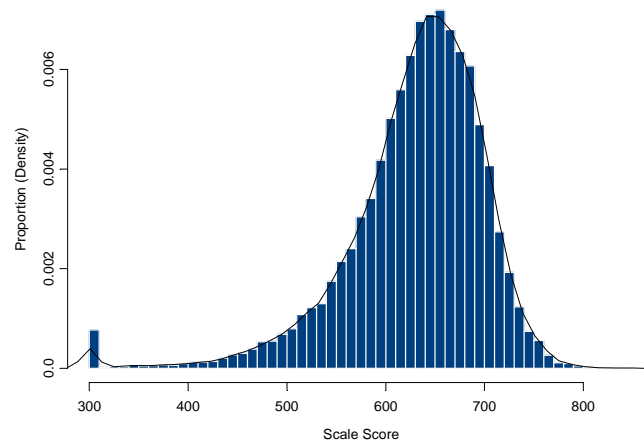


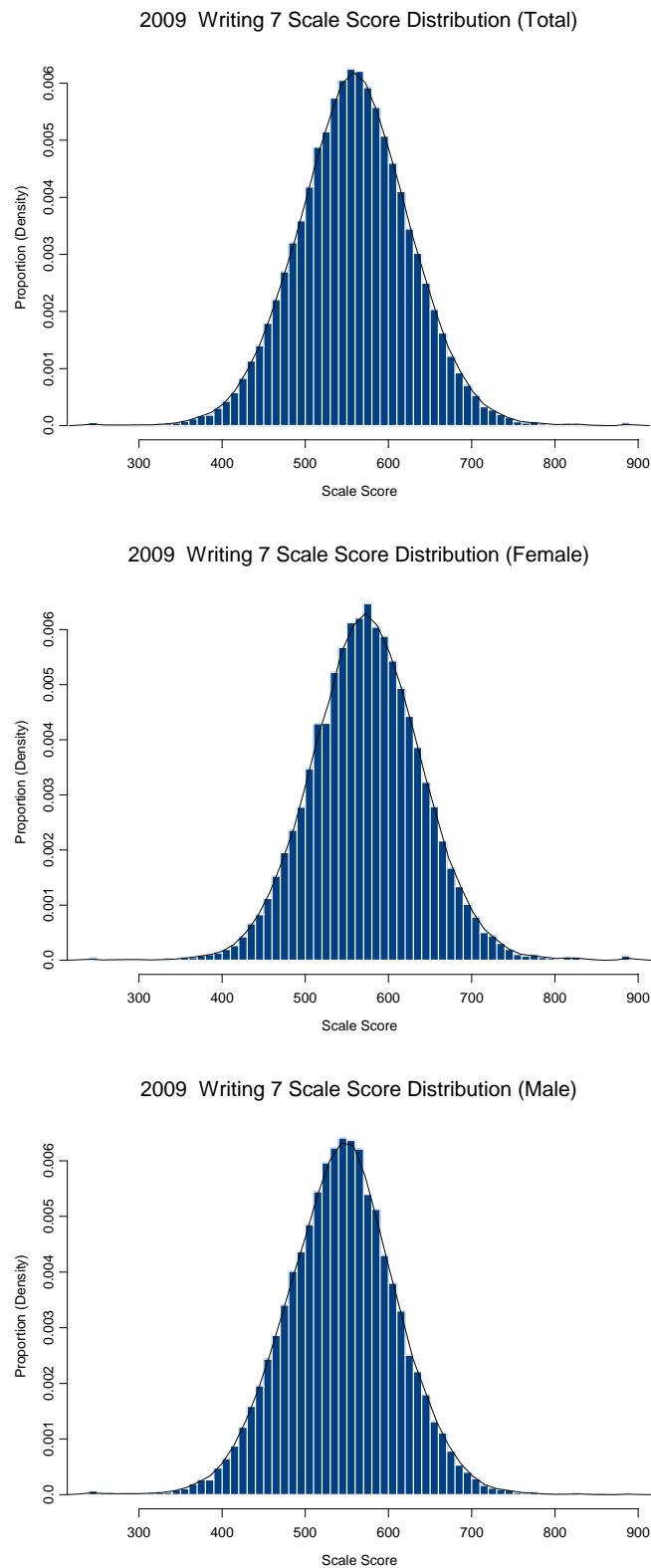
Figure 52. Writing 7 Scale Score Distributions for the Total Population, Female, and Male Students

Figure 53. Mathematics 7 Scale Score Distributions for the Total Population, Female, and Male Students

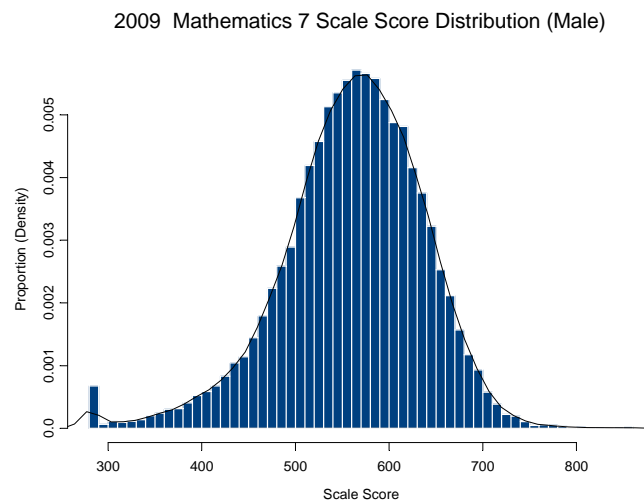
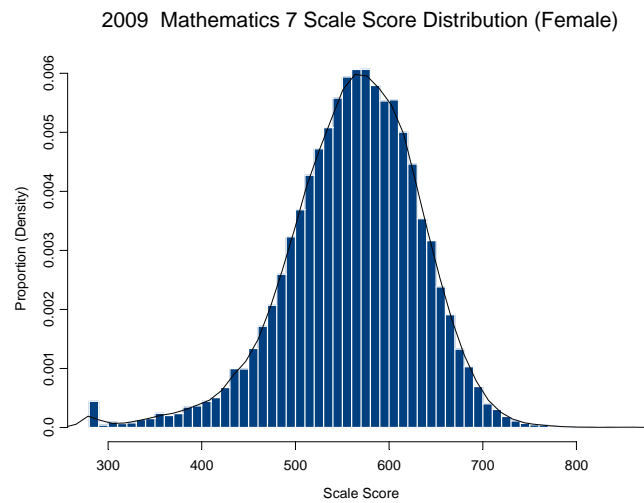
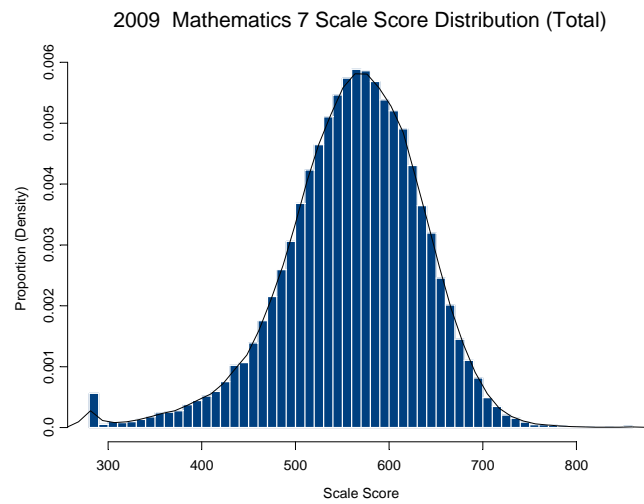
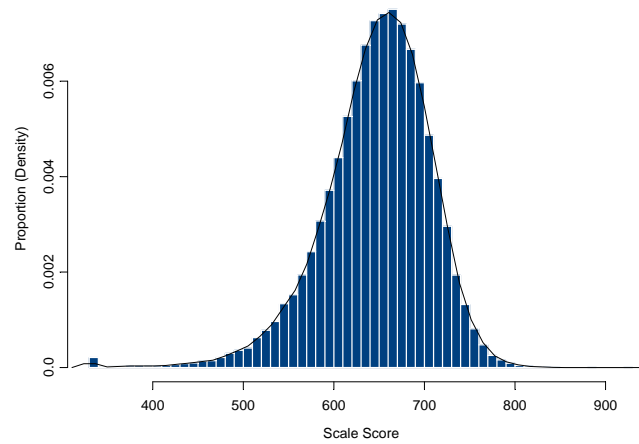
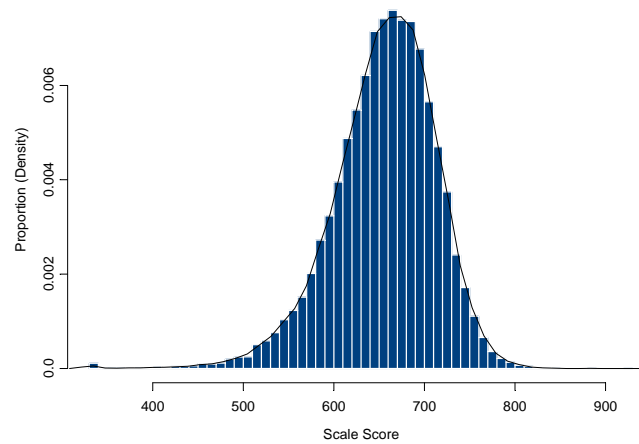


Figure 54. Reading 8 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Reading 8 Scale Score Distribution (Total)



2009 Reading 8 Scale Score Distribution (Female)



2009 Reading 8 Scale Score Distribution (Male)

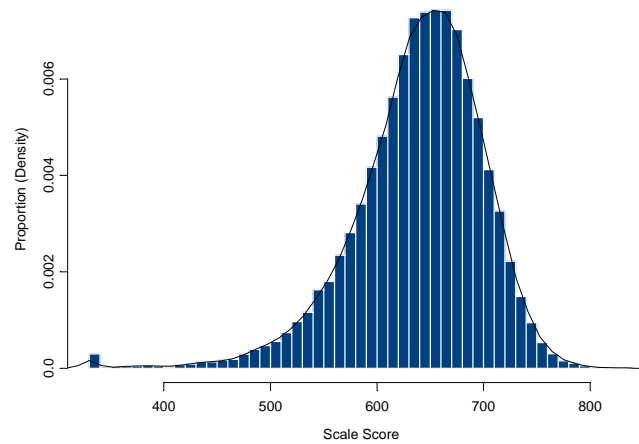
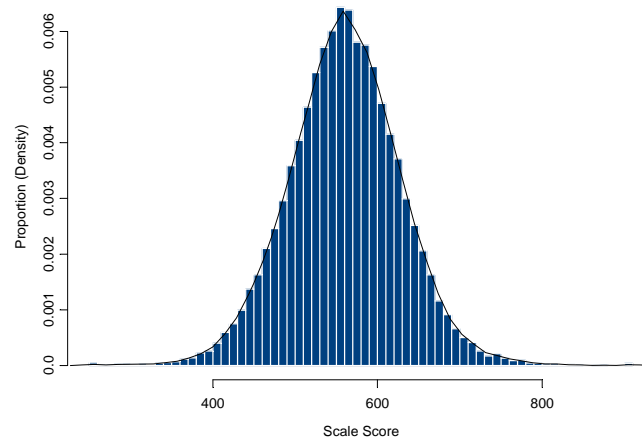
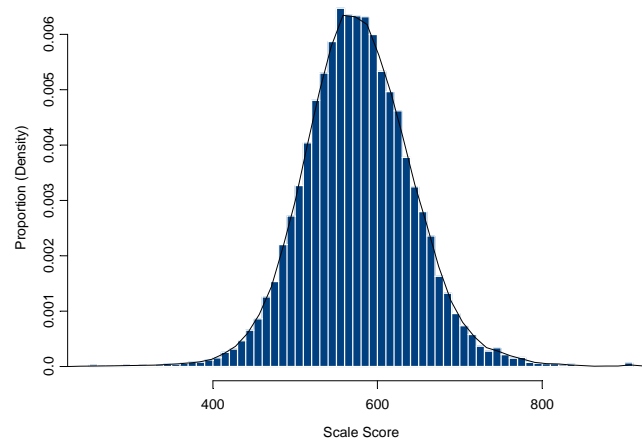


Figure 55. Writing 8 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Writing 8 Scale Score Distribution (Total)



2009 Writing 8 Scale Score Distribution (Female)



2009 Writing 8 Scale Score Distribution (Male)

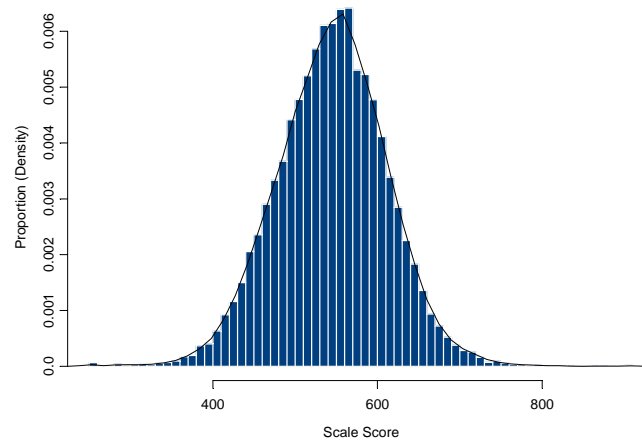
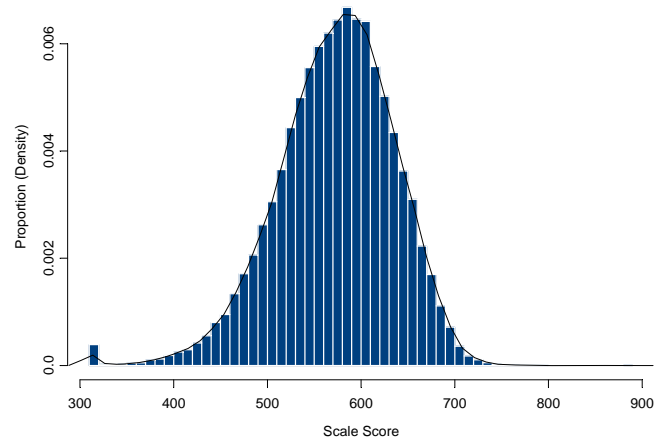
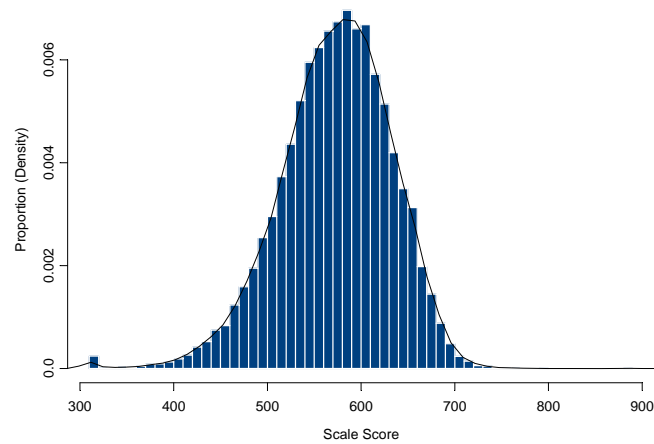


Figure 56. Mathematics 8 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Mathematics 8 Scale Score Distribution (Total)



2009 Mathematics 8 Scale Score Distribution (Female)



2009 Mathematics 8 Scale Score Distribution (Male)

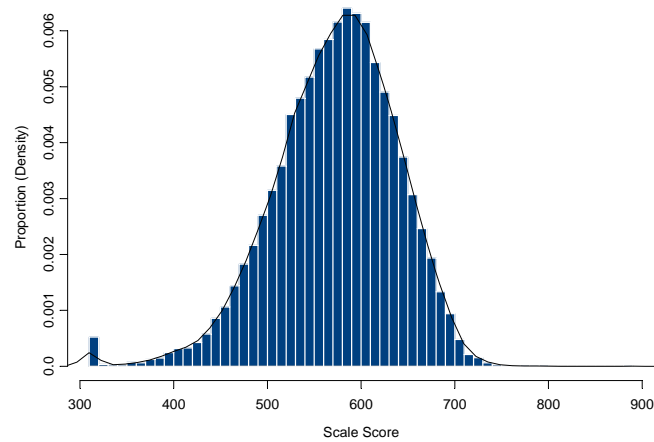
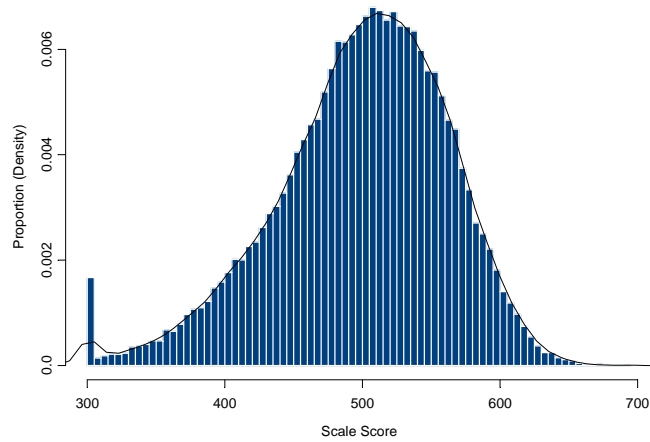
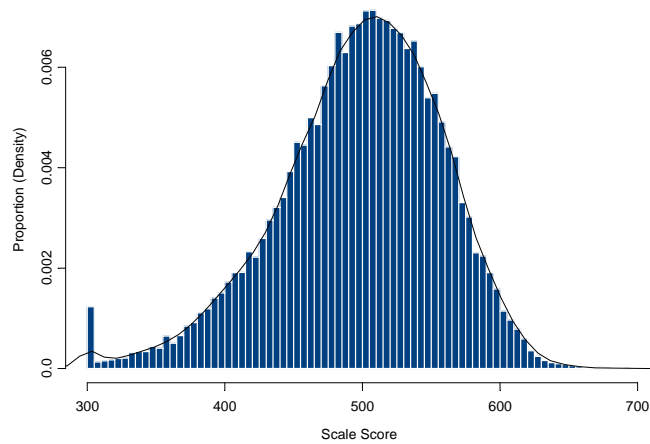


Figure 57. Science 8 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Science 8 Scale Score Distribution (Total)



2009 Science 8 Scale Score Distribution (Female)



2009 Science 8 Scale Score Distribution (Male)

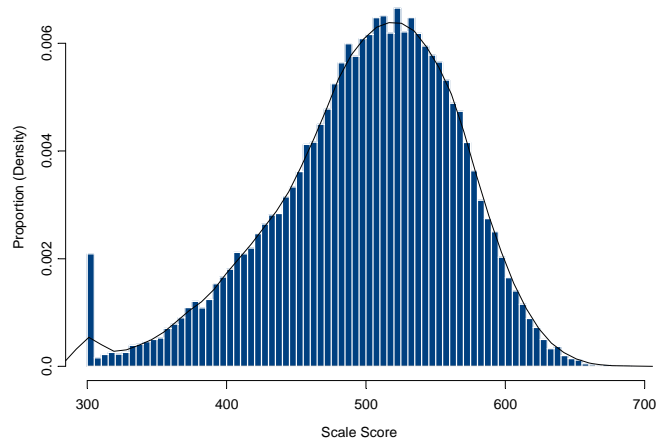


Figure 58. Reading 9 Scale Score Distributions for the Total Population, Female, and Male Students

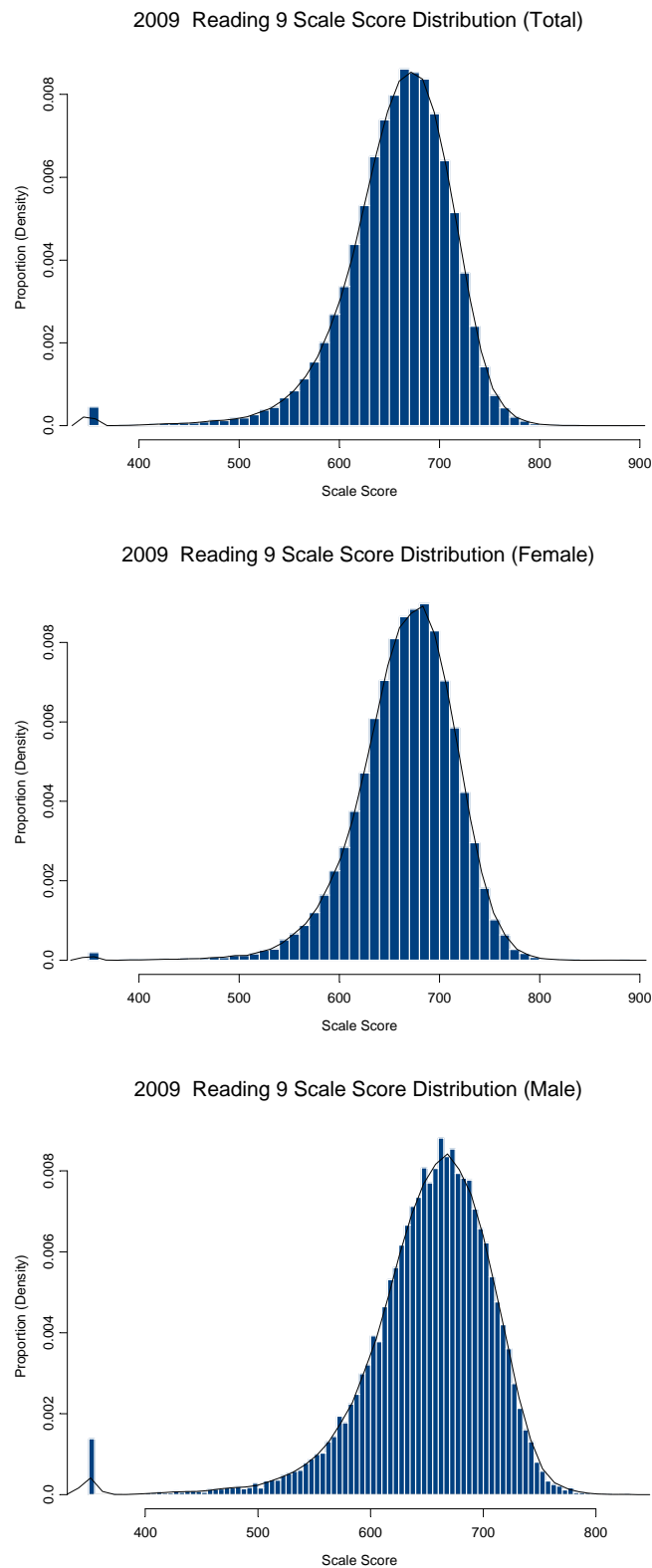
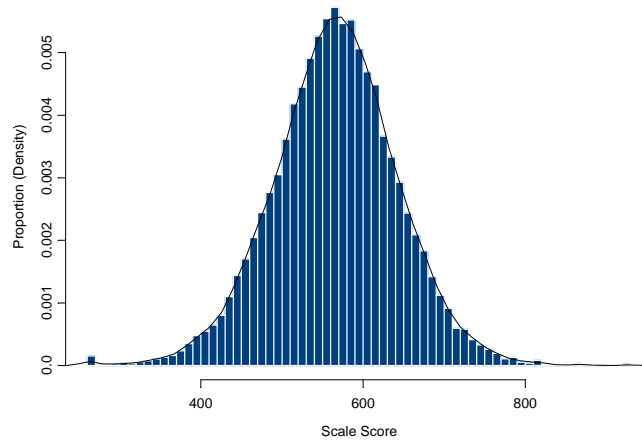
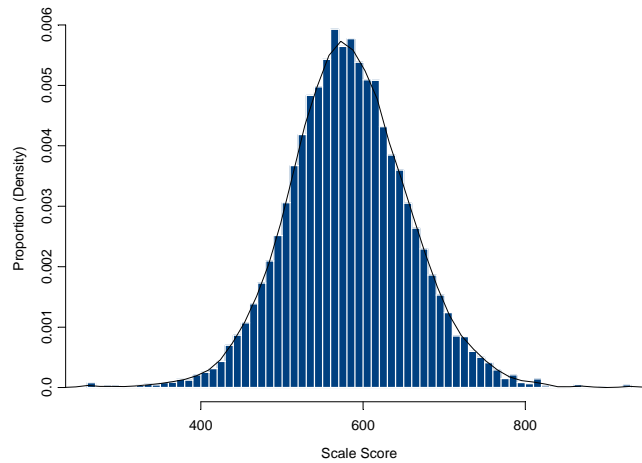


Figure 59. Writing 9 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Writing 9 Scale Score Distribution (Total)



2009 Writing 9 Scale Score Distribution (Female)



2009 Writing 9 Scale Score Distribution (Male)

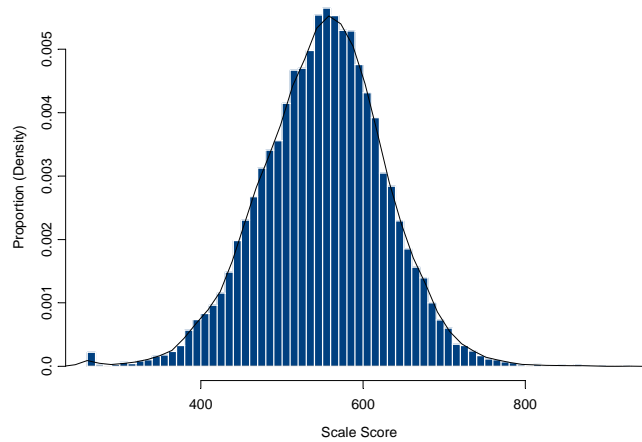


Figure 60. Mathematics 9 Scale Score Distributions for the Total Population, Female, and Male Students

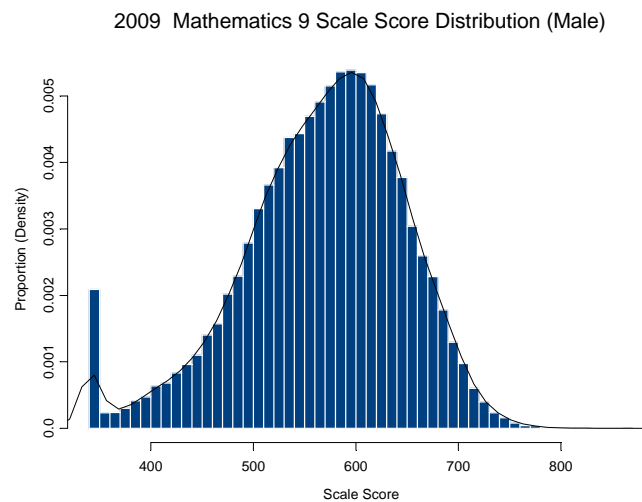
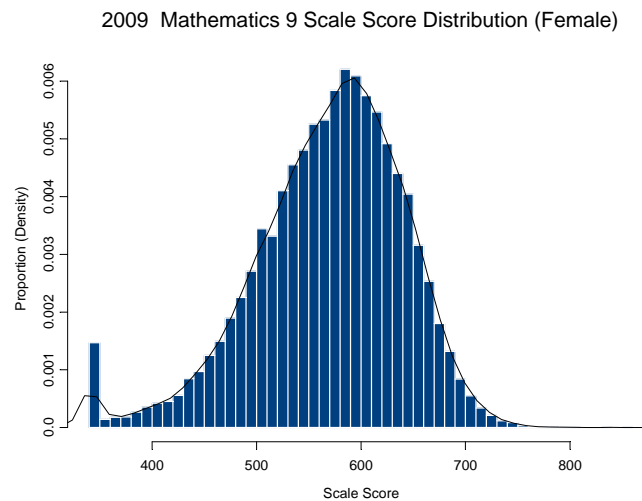
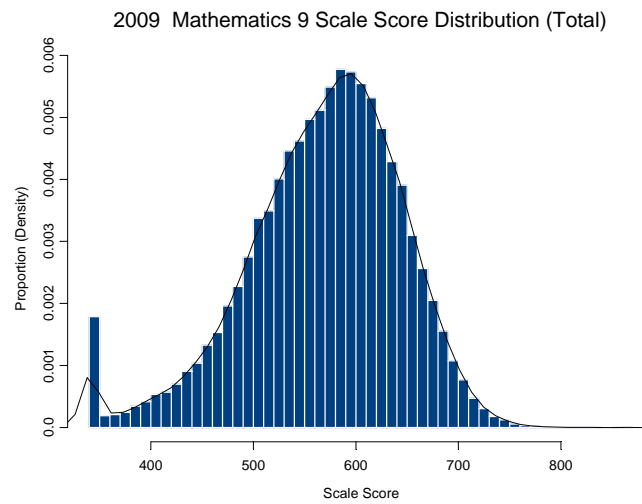
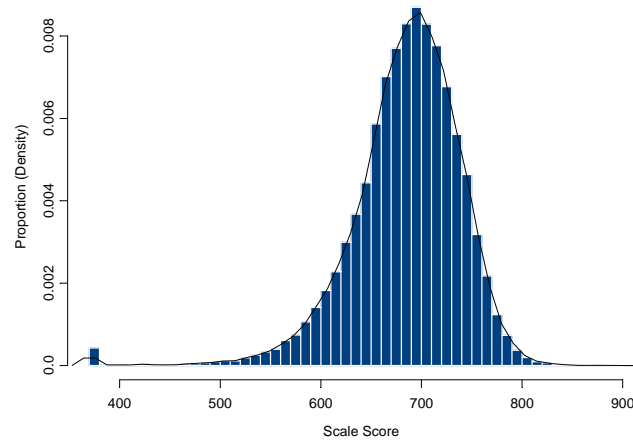
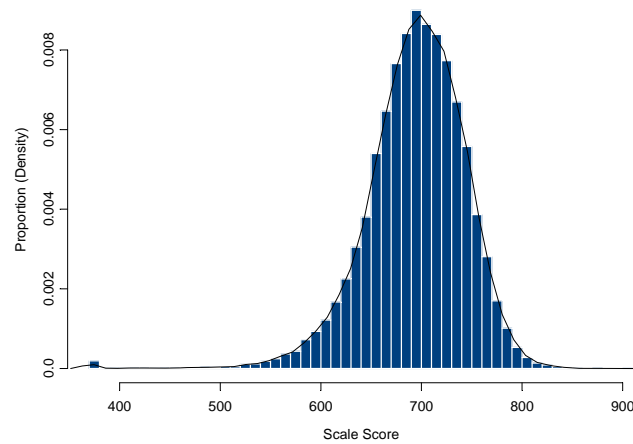


Figure 61. Reading 10 Scale Score Distributions for the Total Population, Female, and Male Students

2009 Reading 10 Scale Score Distribution (Total)



2009 Reading 10 Scale Score Distribution (Female)



2009 Reading 10 Scale Score Distribution (Male)

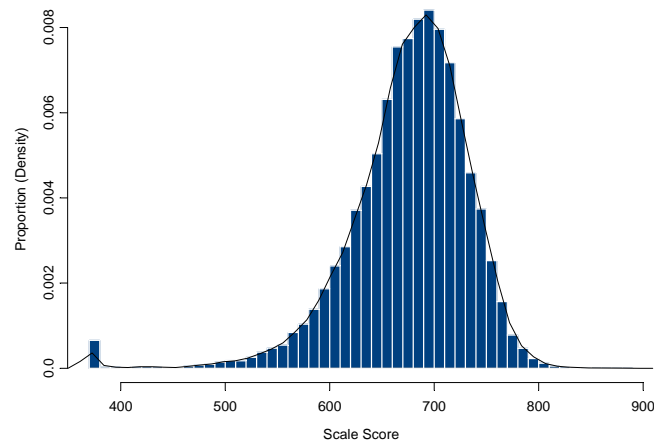


Figure 62. Writing 10 Scale Score Distributions for the Total Population, Female, and Male Students

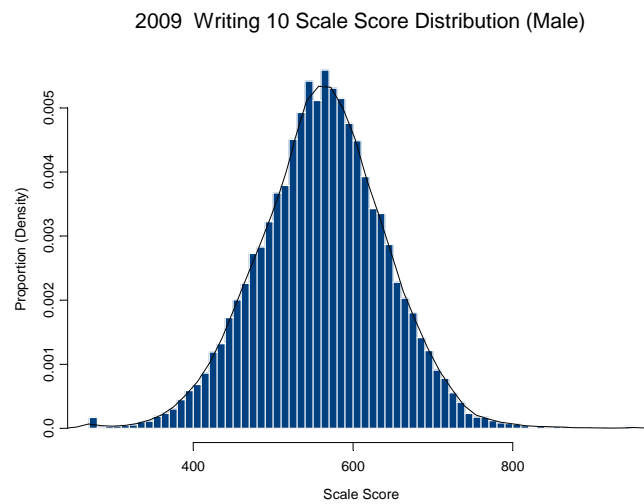
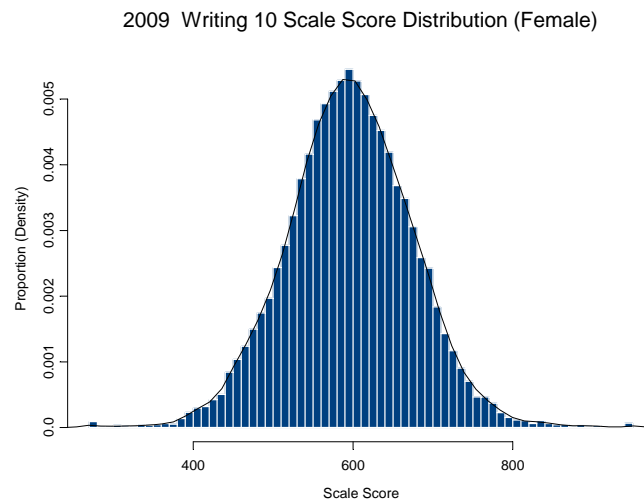
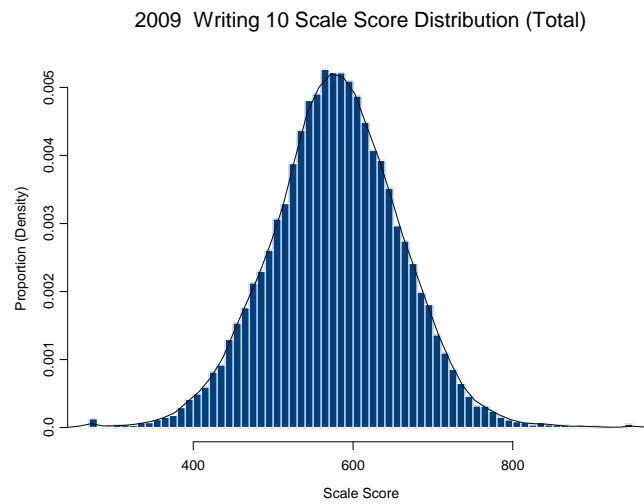


Figure 63. Mathematics 10 Scale Score Distributions for the Total Population, Female, and Male Students

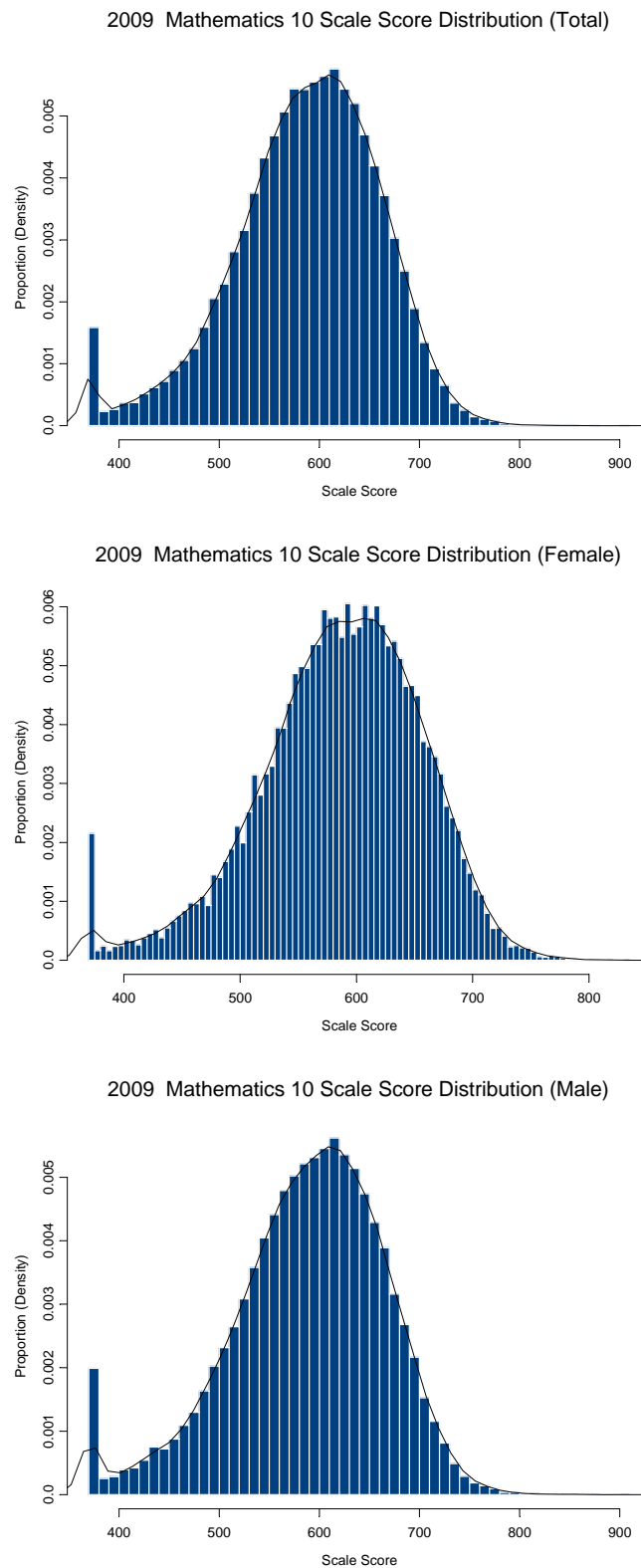


Figure 64. Science 10 Scale Score Distributions for the Total Population, Female, and Male Students

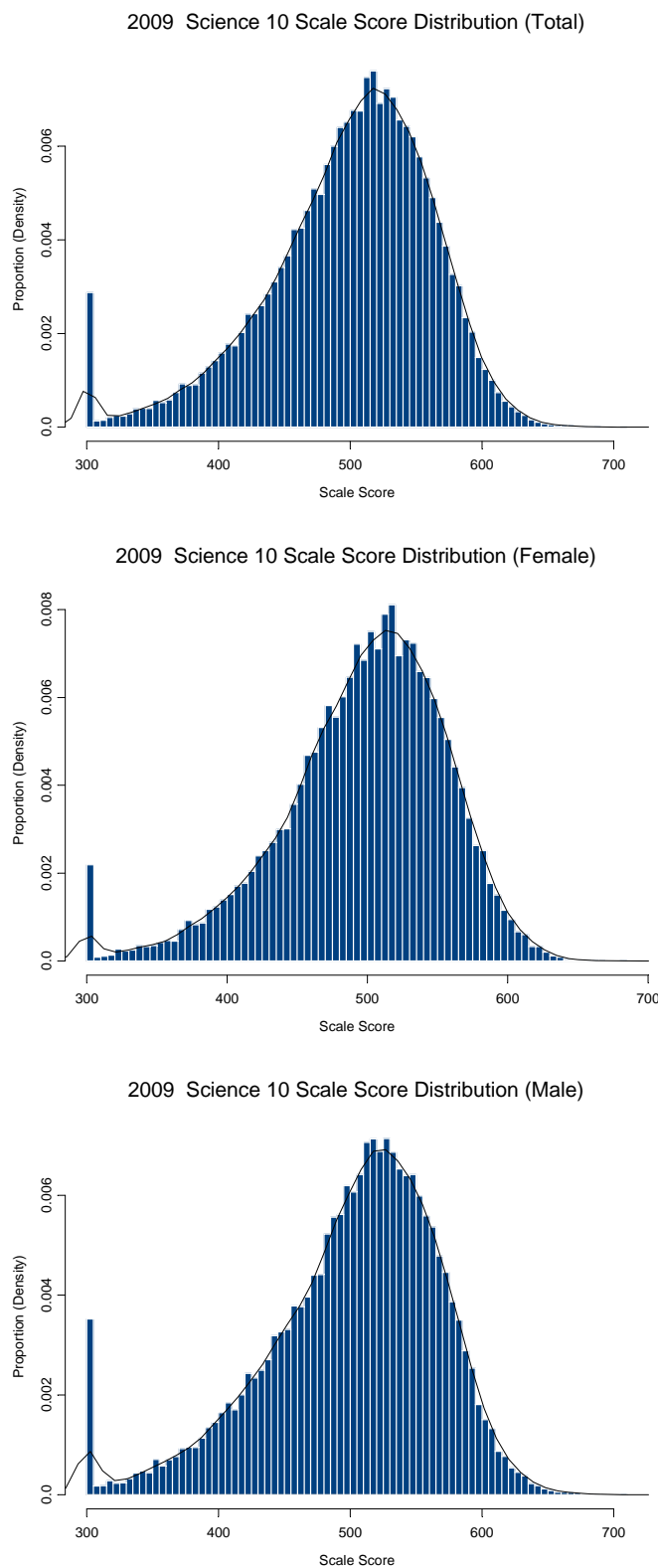


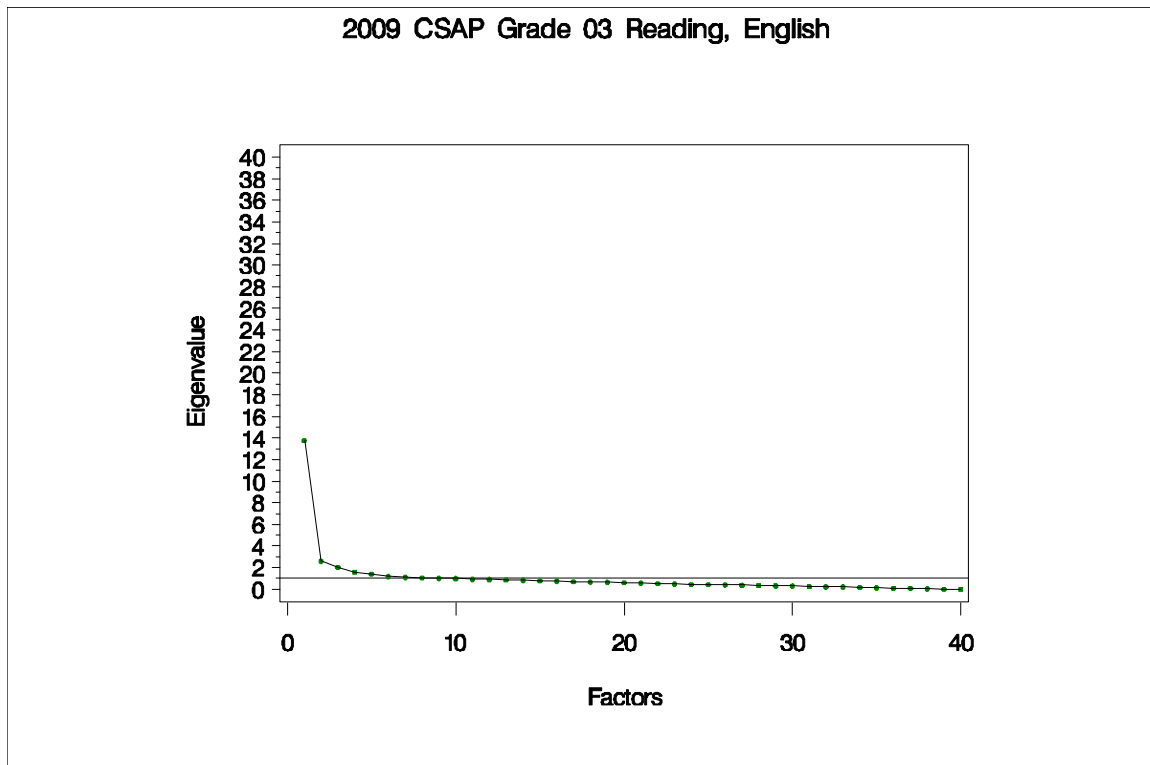
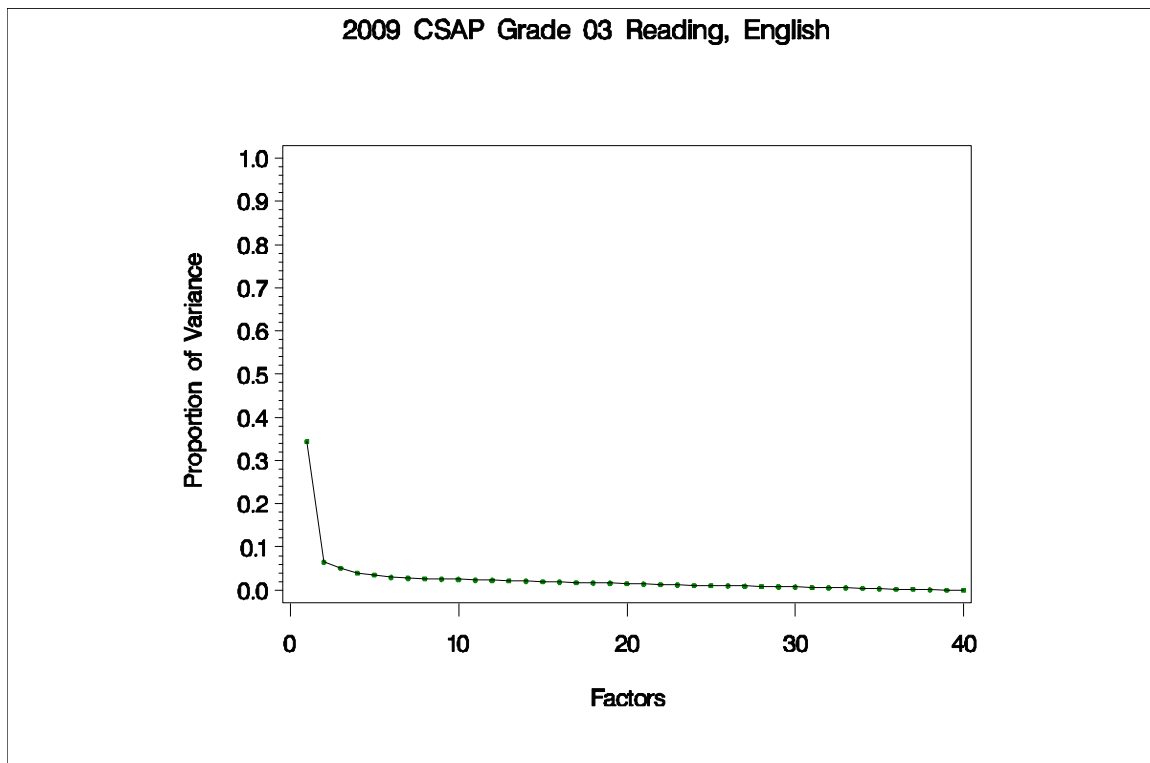
Figure 65a. Eigenvalues for CSAP Reading Grade 3**Figure 65b. Proportion of Variance by Factor for CSAP Reading Grade 3**

Figure 66a. Eigenvalues for CSAP Spanish Reading Grade 3
2009 CSAP Grade 03 Reading, Spanish

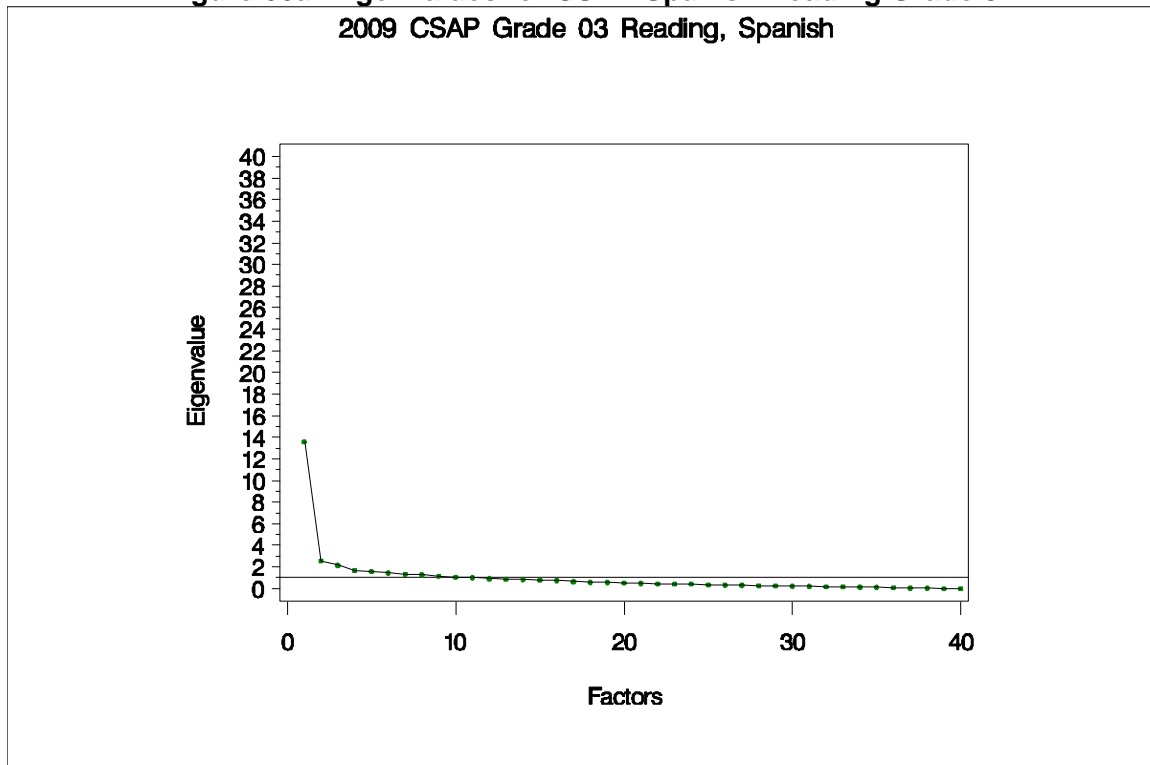


Figure 66b. Proportion of Variance by Factor for CSAP Spanish Reading Grade 3

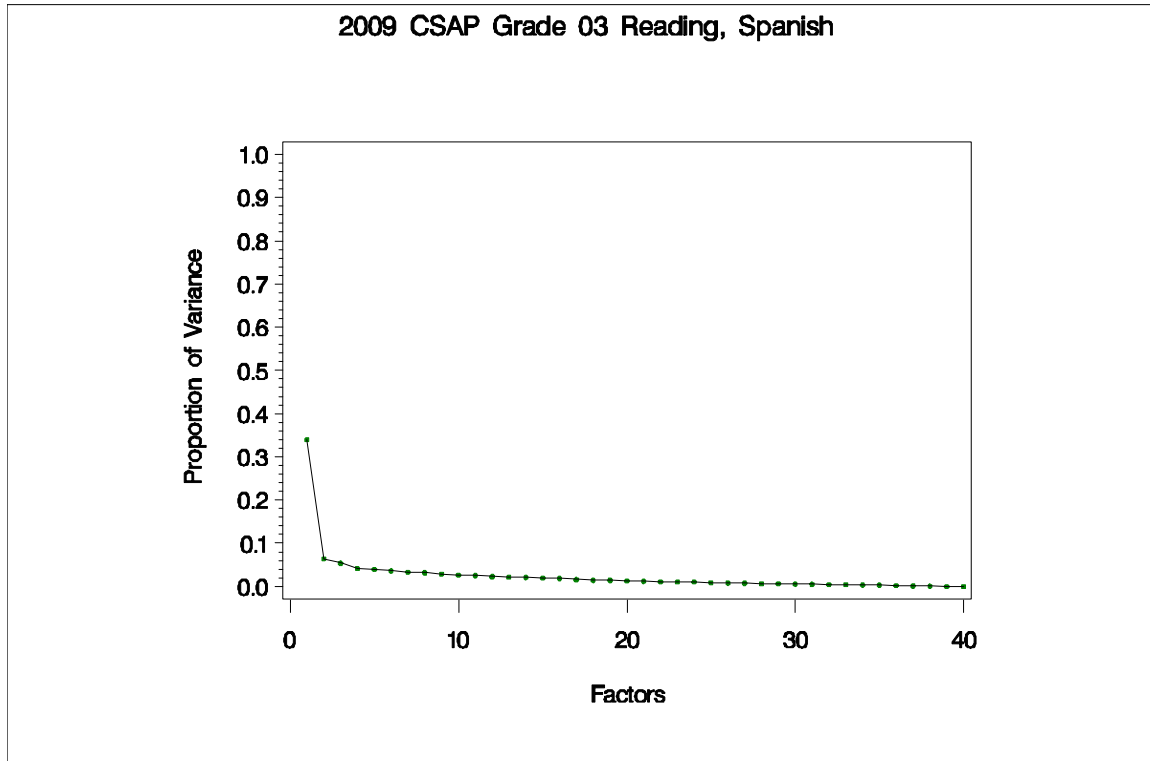


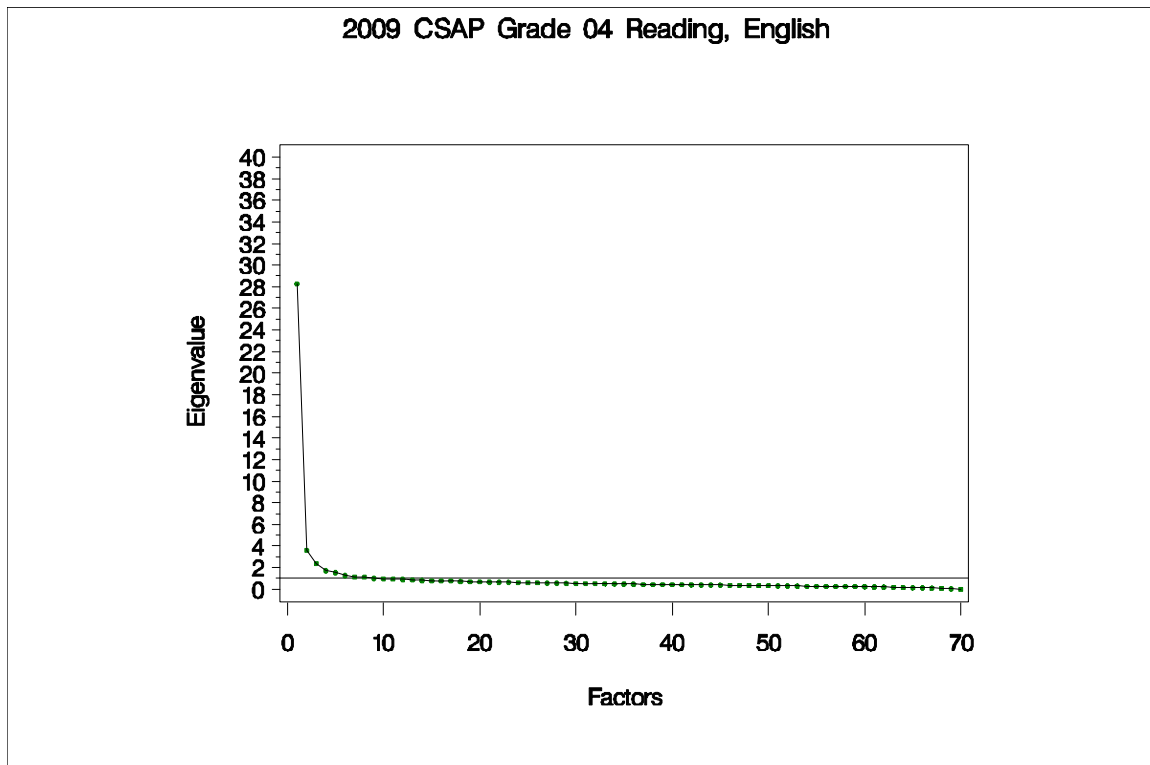
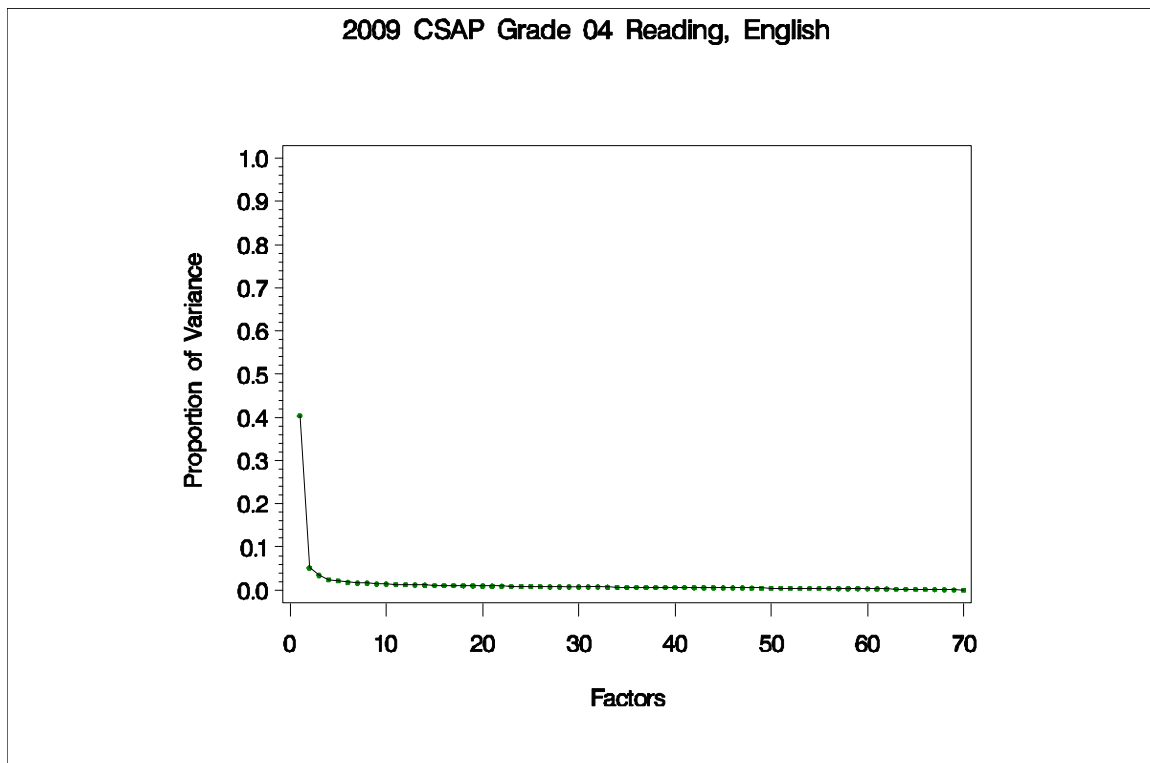
Figure 67a. Eigenvalues for CSAP Reading Grade 4**Figure 67b. Proportion of Variance by Factor for CSAP Reading Grade 4**

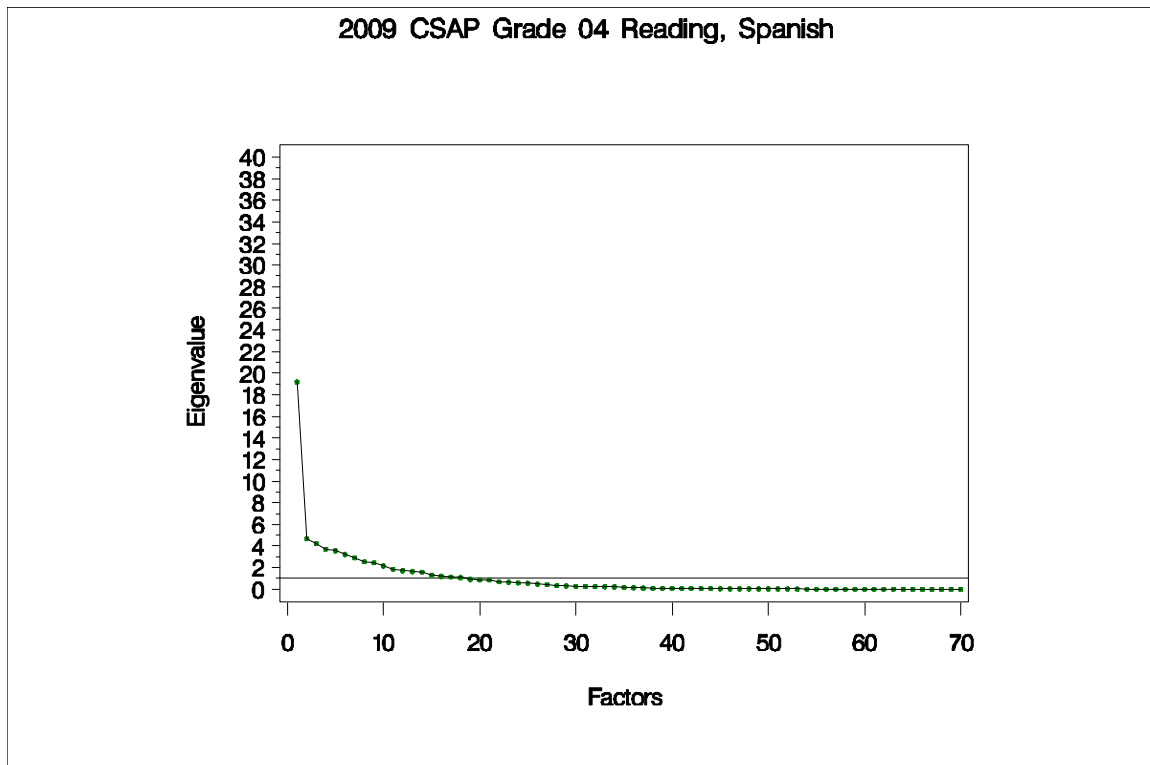
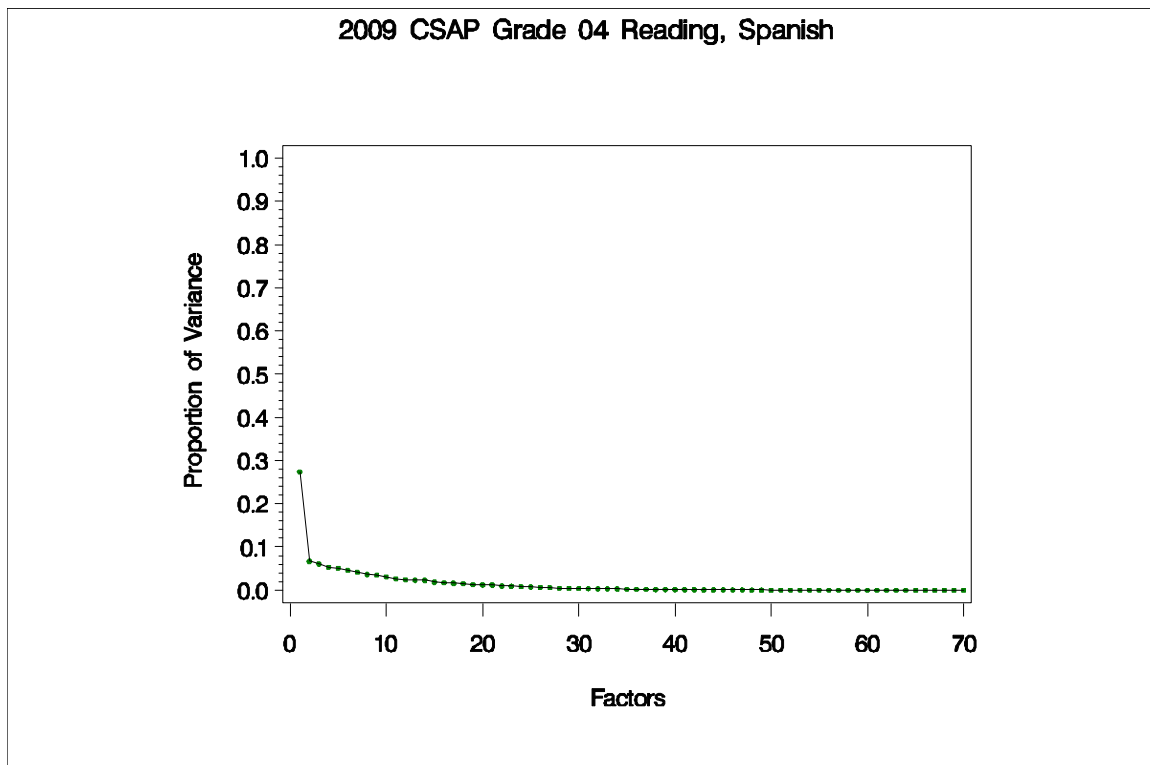
Figure 68a. Eigenvalues for CSAP Spanish Reading Grade 4**Figure 68b. Proportion of Variance by Factor for CSAP Spanish Reading Grade 4**

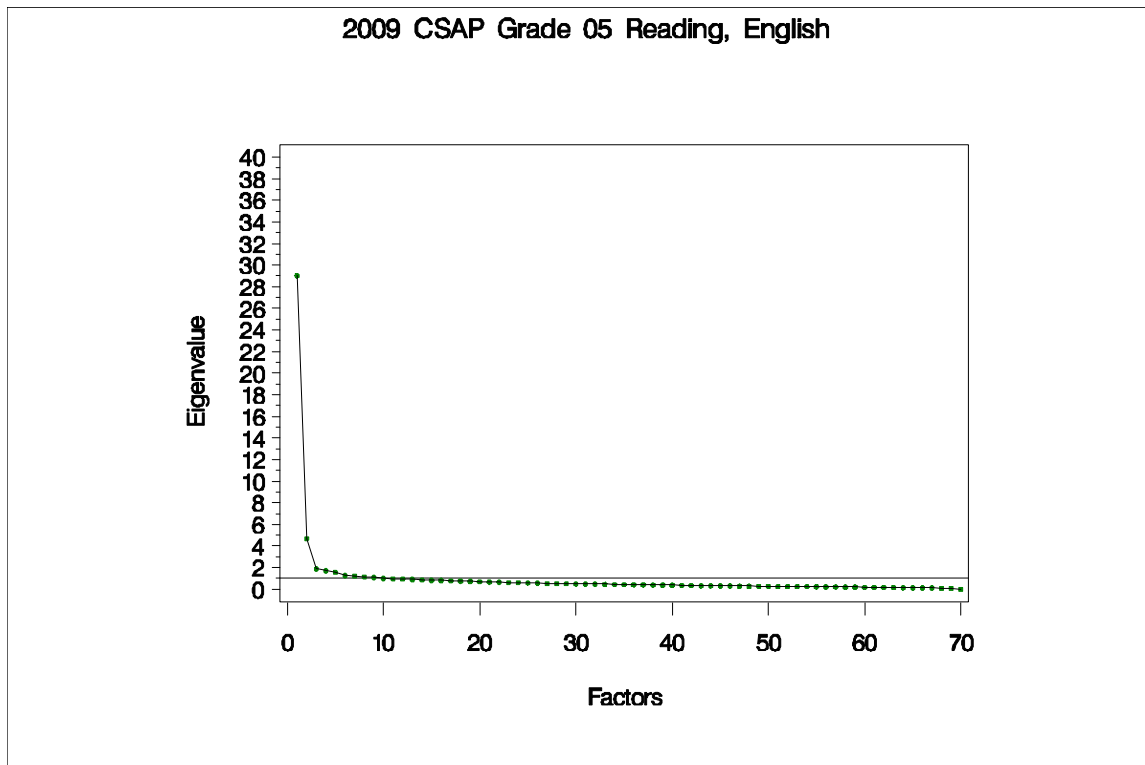
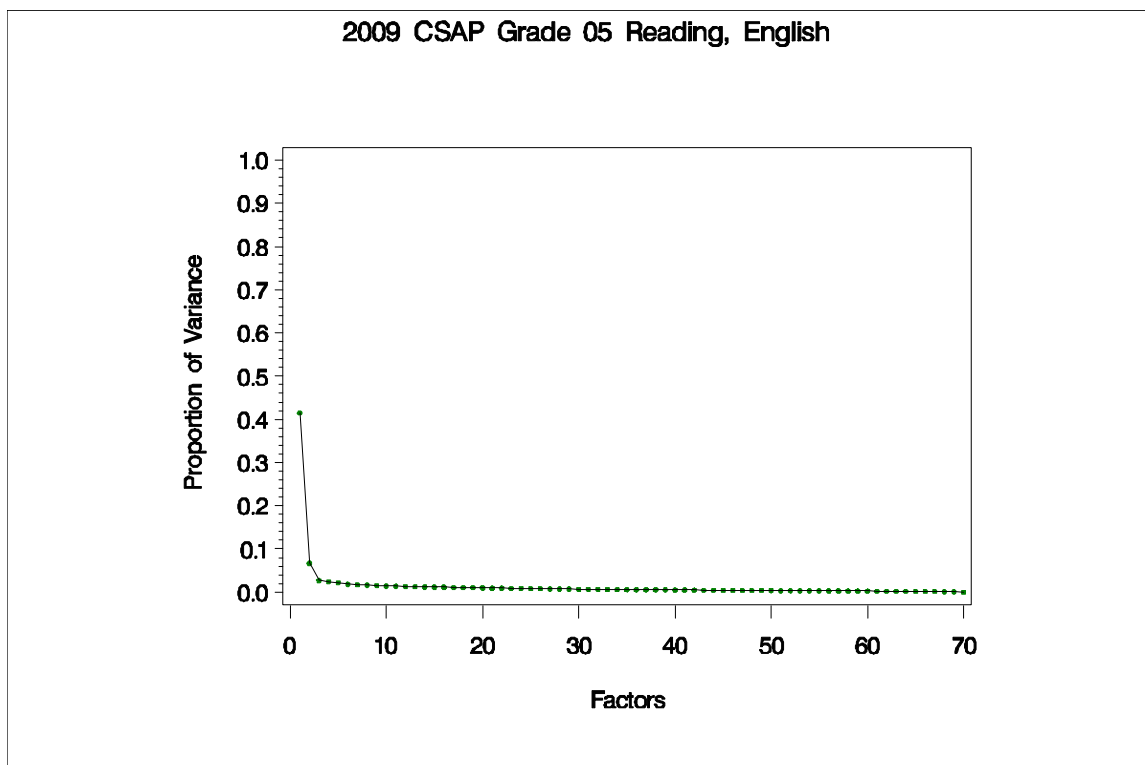
Figure 69a. Eigenvalues for CSAP Reading Grade 5**Figure 69b. Proportion of Variance by Factor for CSAP Reading Grade 5**

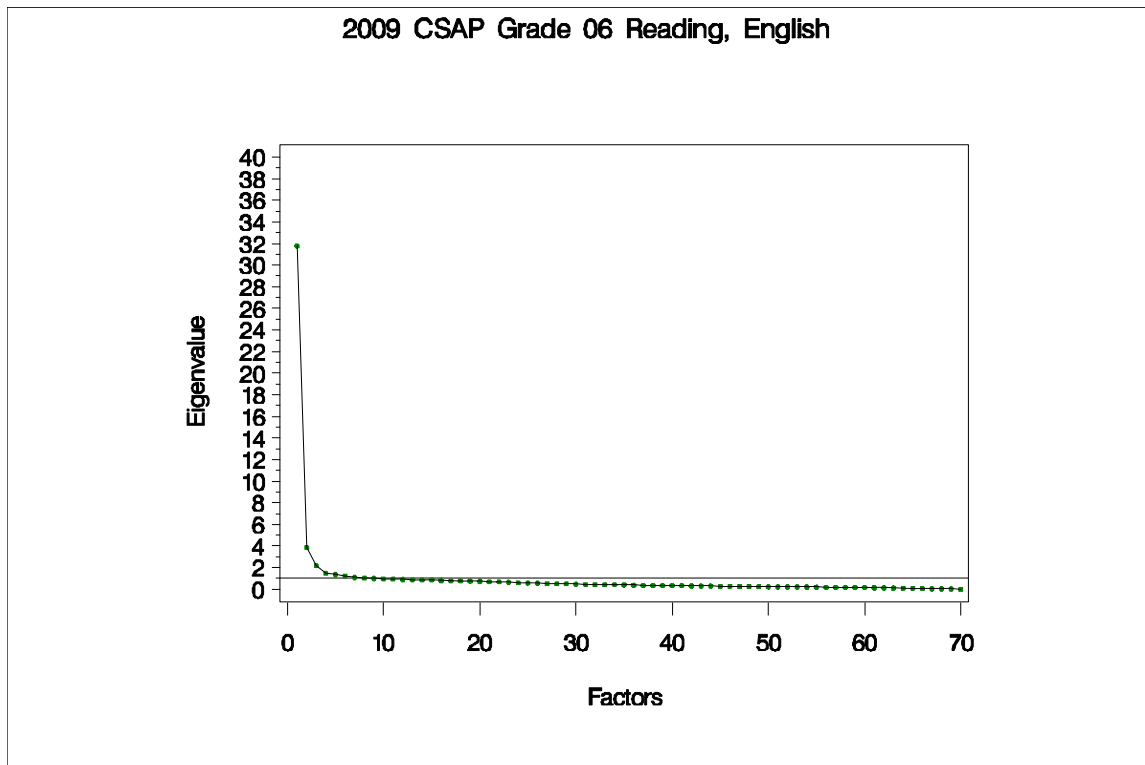
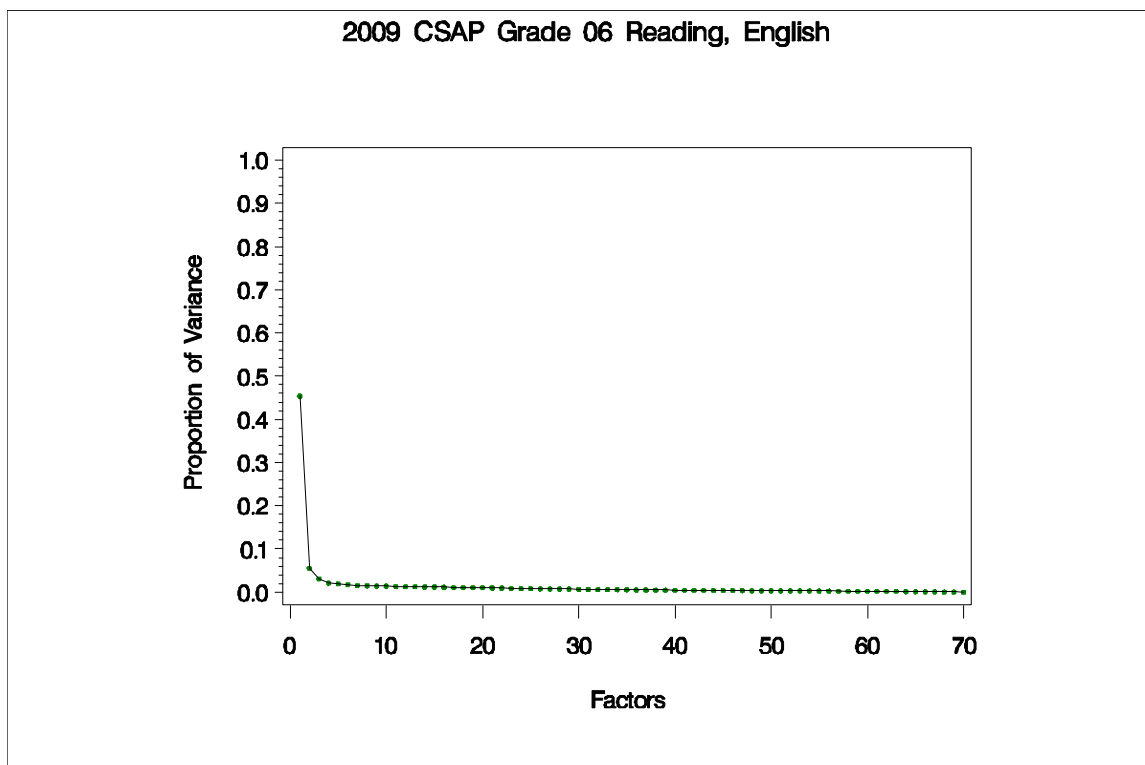
Figure 70a. Eigenvalues for CSAP Reading Grade 6**Figure 70b. Proportion of Variance by Factor for CSAP Reading Grade 6**

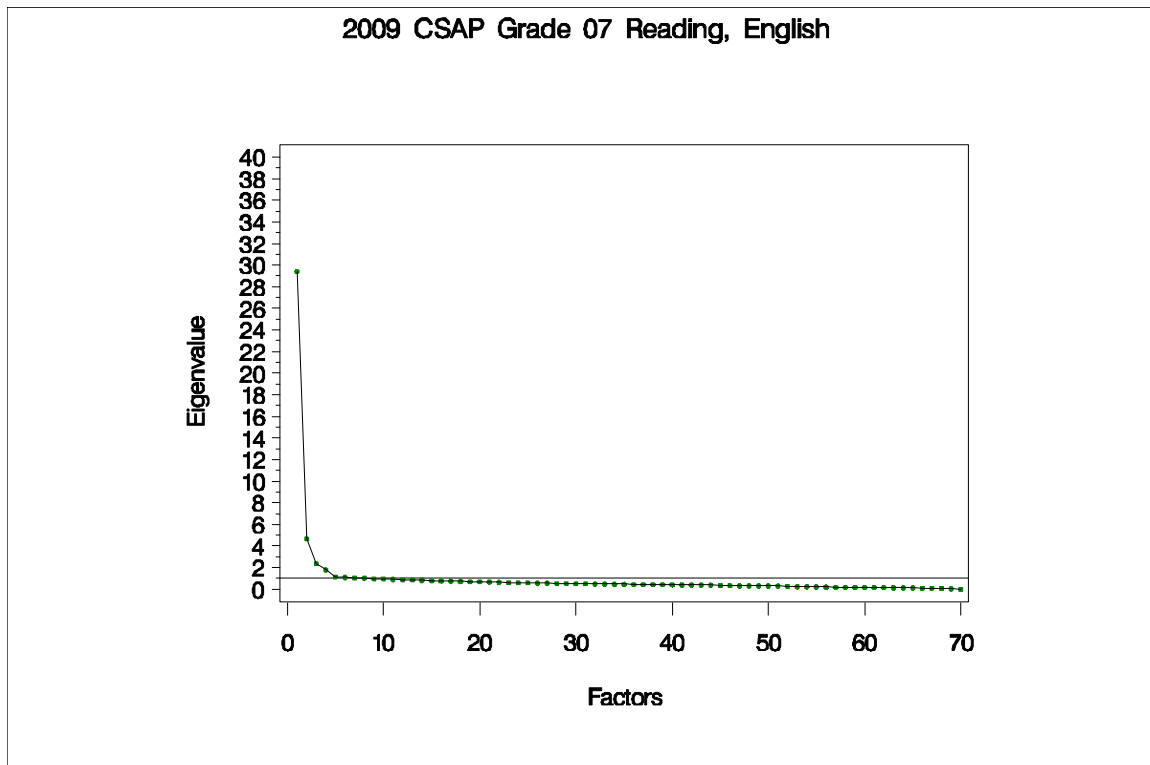
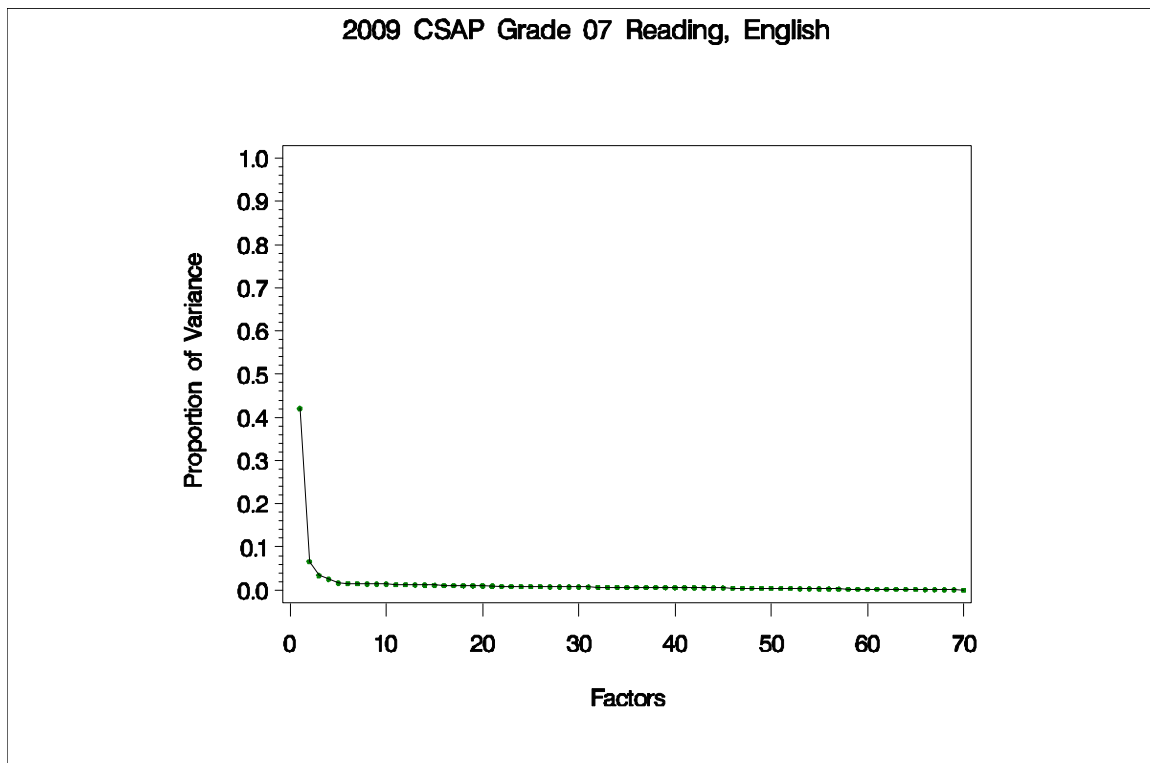
Figure 71a. Eigenvalues for CSAP Reading Grade 7**Figure 71b. Proportion of Variance by Factor for CSAP Reading Grade 7**

Figure 72a. Eigenvalues for CSAP Reading Grade 8
2009 CSAP Grade 08 Reading, English

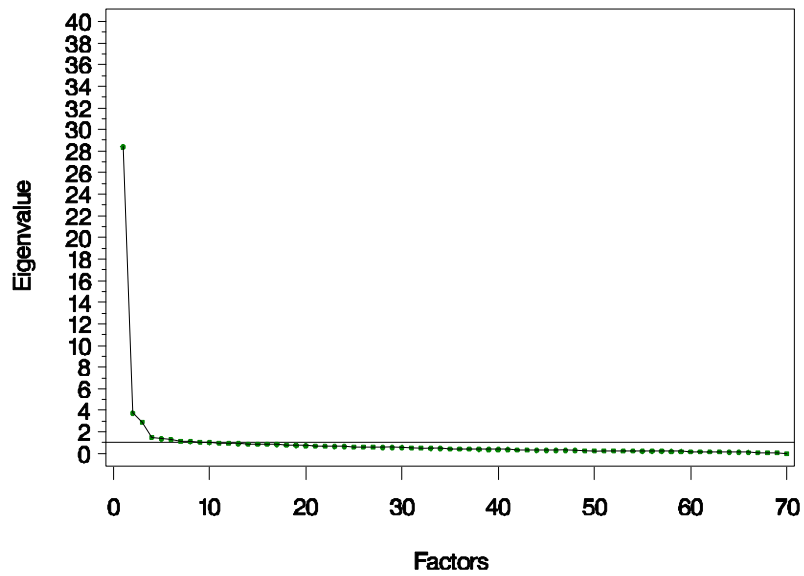


Figure 72b. Proportion of Variance by Factor for CSAP Reading Grade 8

2009 CSAP Grade 08 Reading, English

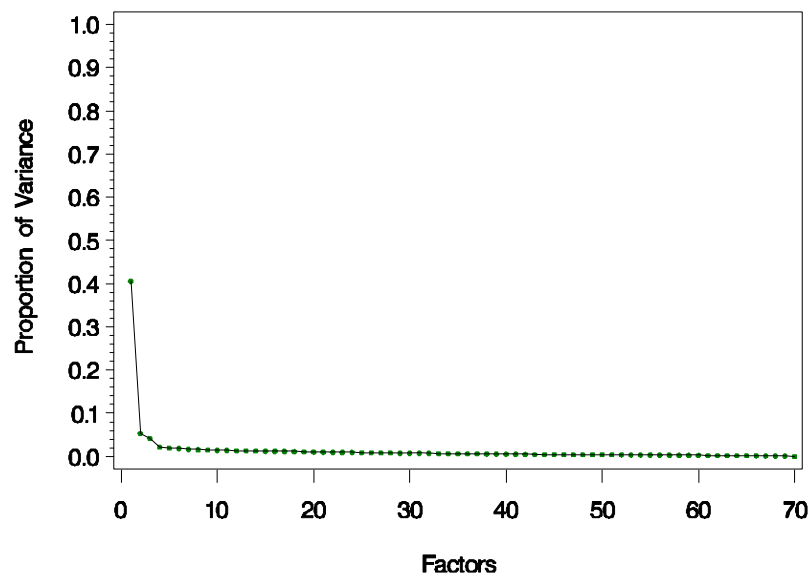


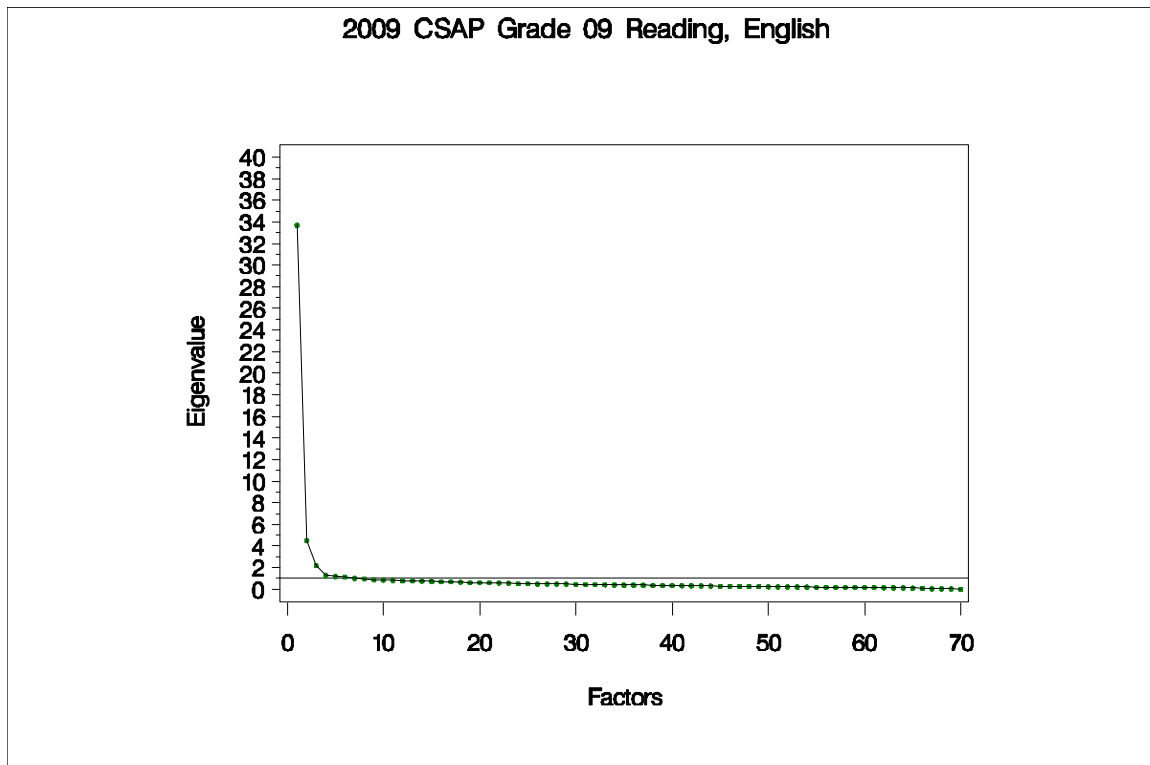
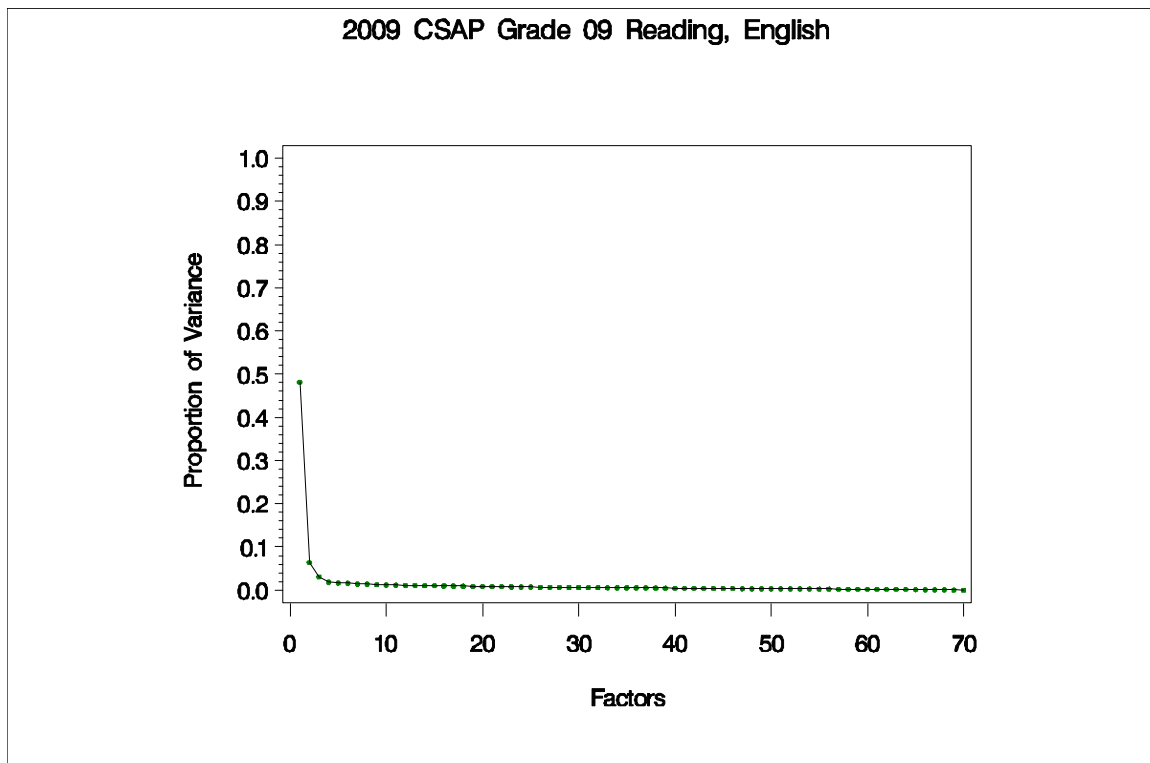
Figure 73a. Eigenvalues for CSAP Reading Grade 9**Figure 73b. Proportion of Variance by Factor for CSAP Reading Grade 9**

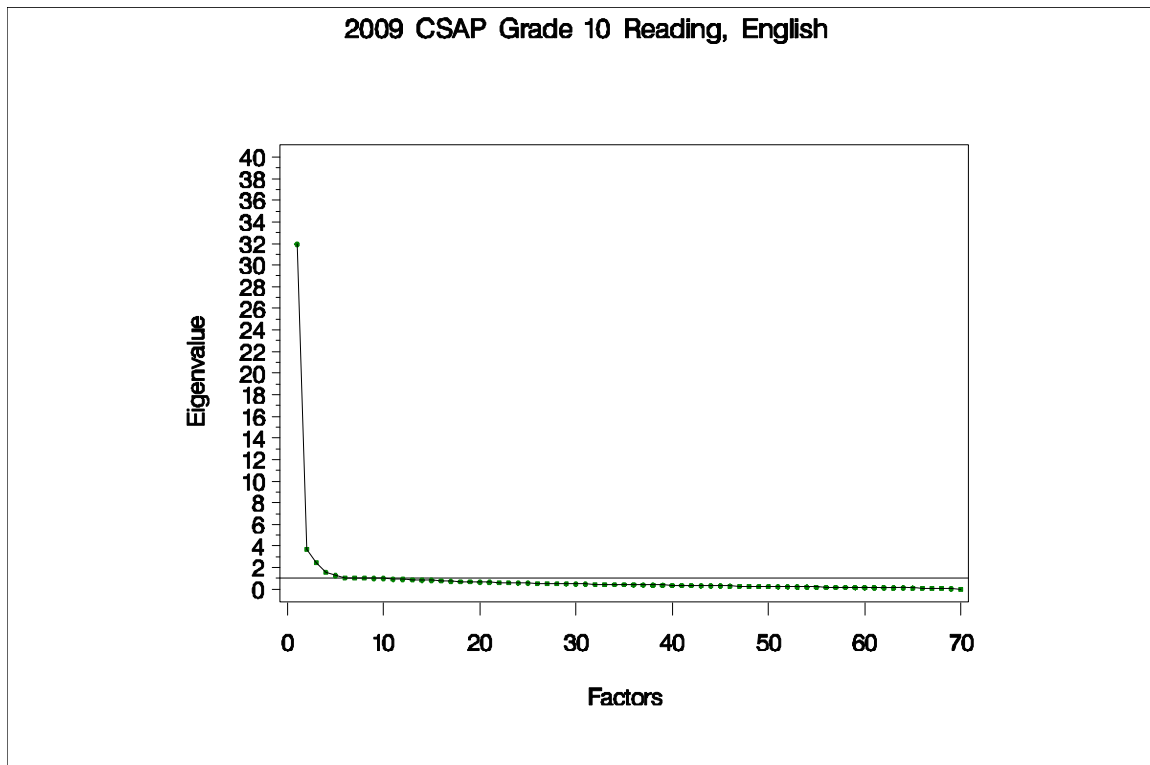
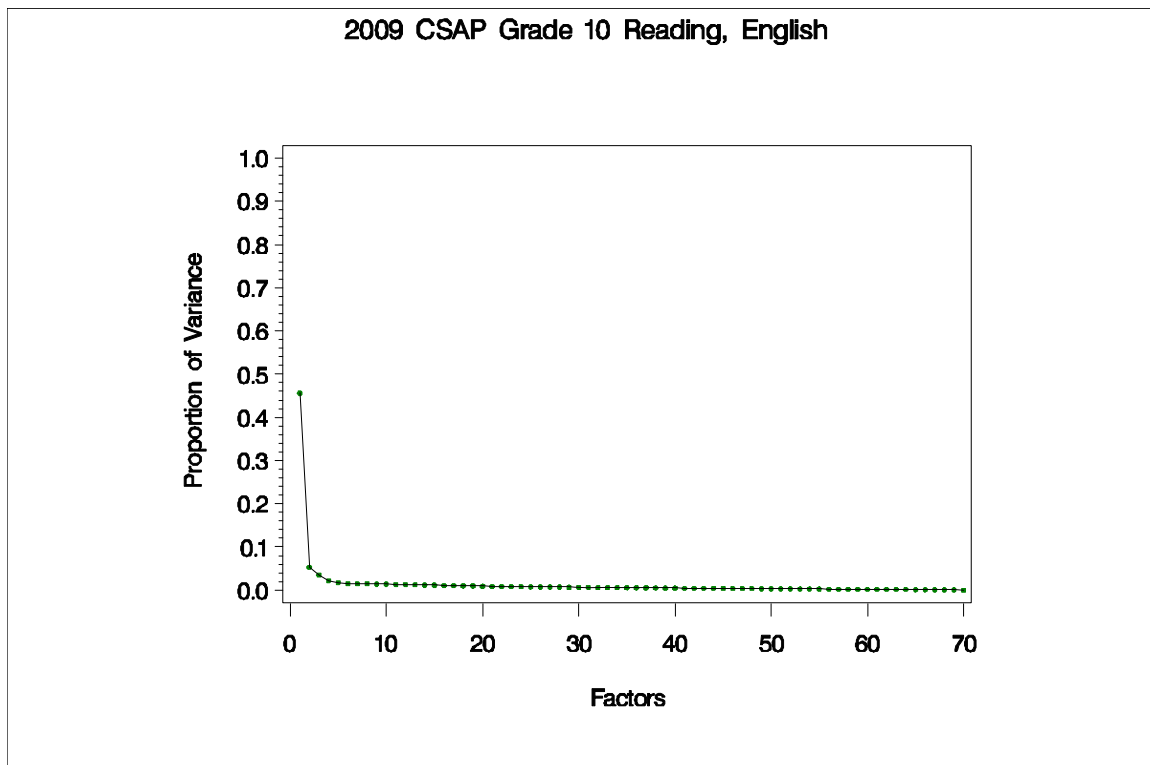
Figure 74a. Eigenvalues for CSAP Reading Grade 10**Figure 74b. Proportion of Variance by Factor for CSAP Reading Grade 10**

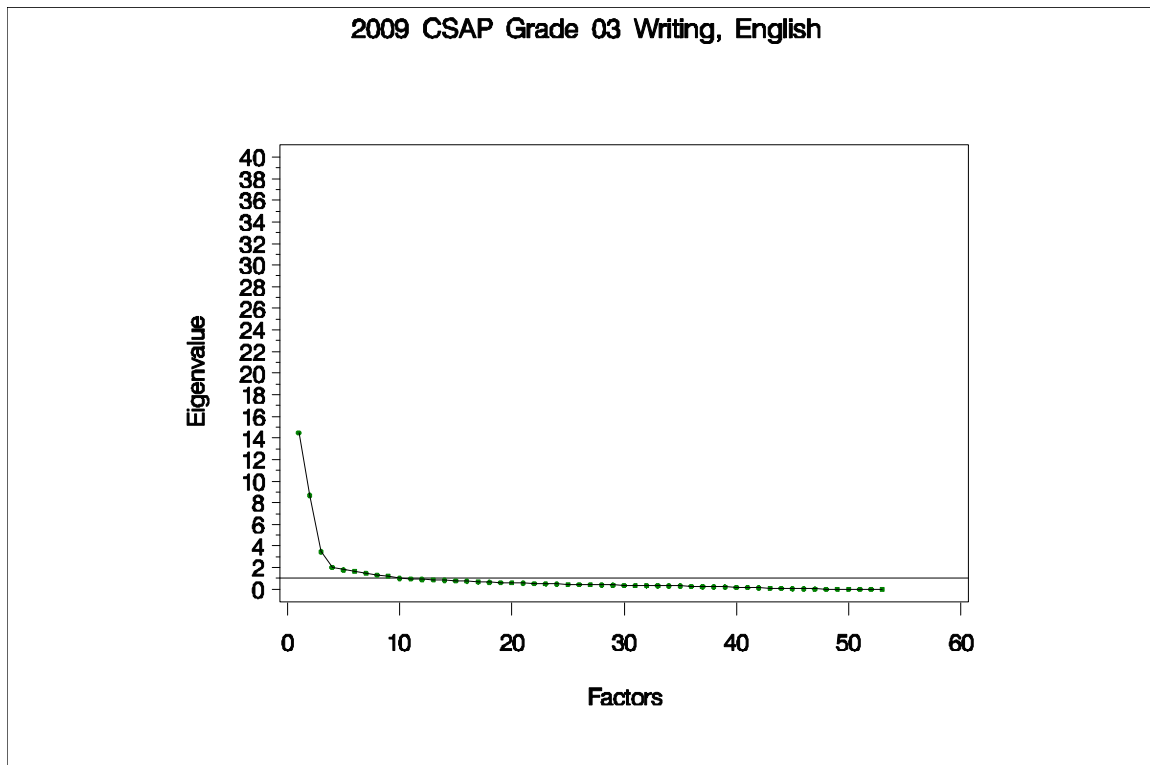
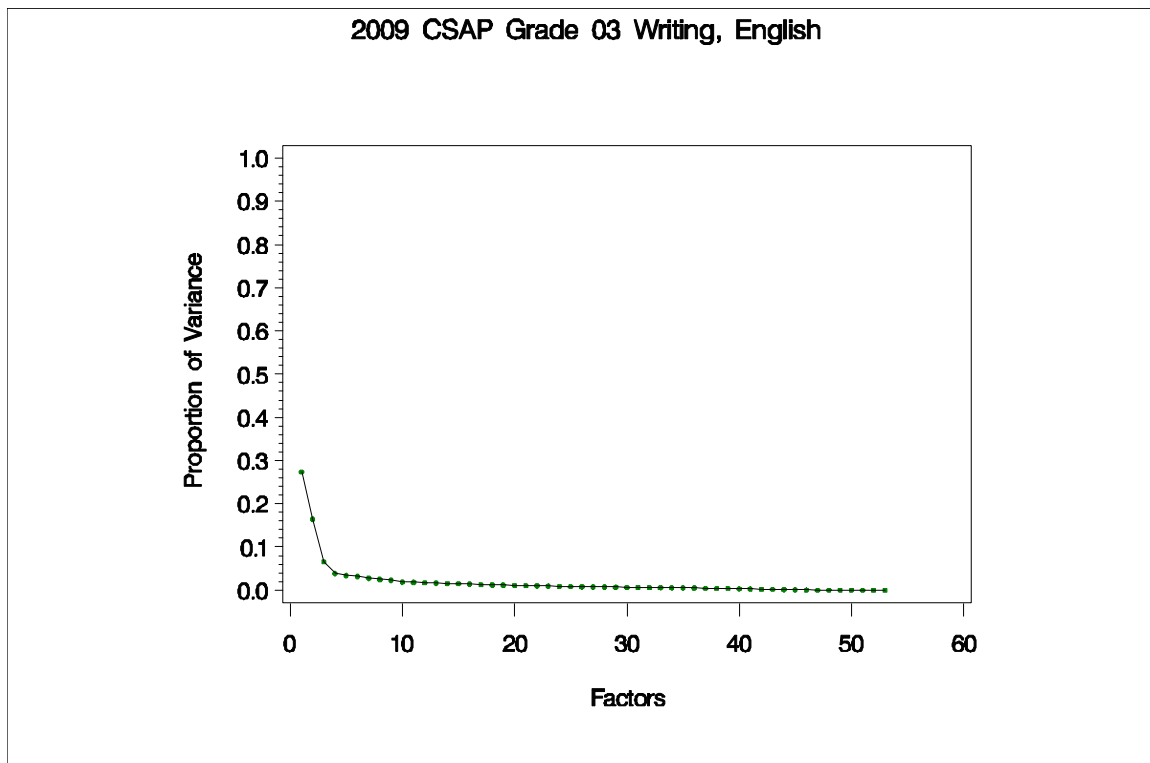
Figure 75a. Eigenvalues for CSAP Writing Grade 3**Figure 75b. Proportion of Variance by Factor for CSAP Writing Grade 3**

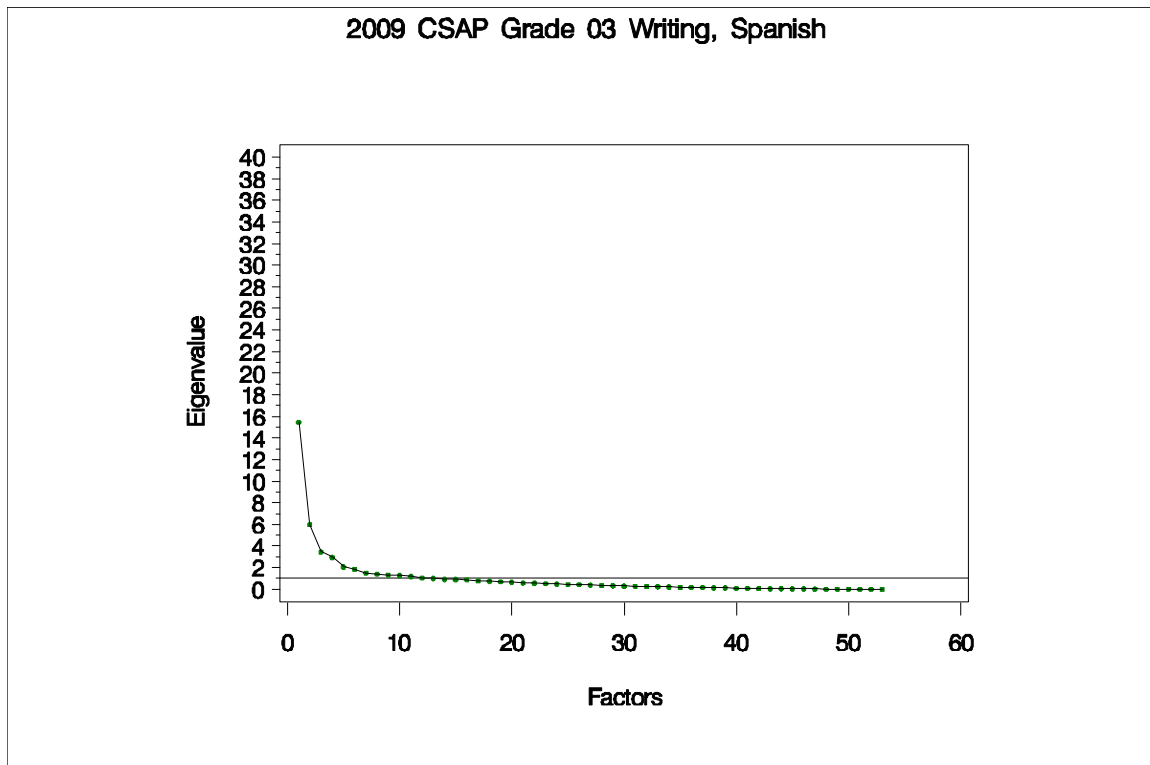
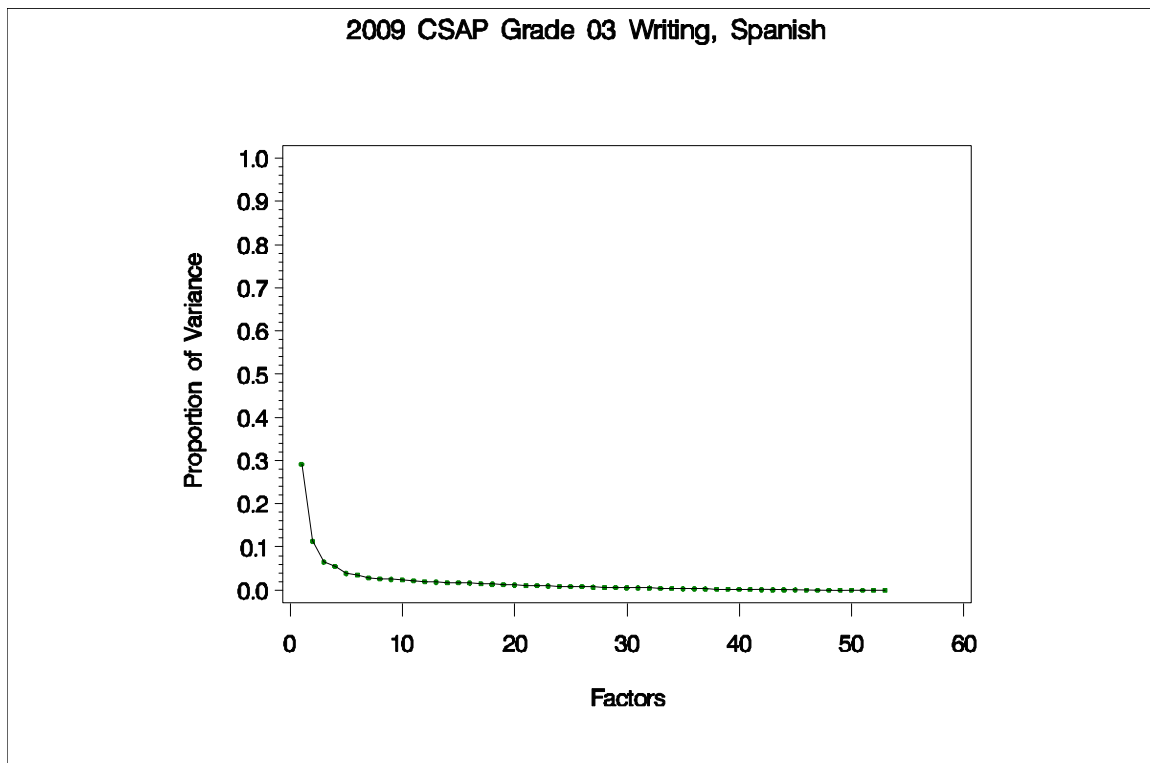
Figure 76a. Eigenvalues for CSAP Spanish Writing Grade 3**Figure 76b. Proportion of Variance by Factor for CSAP Spanish Writing Grade 3**

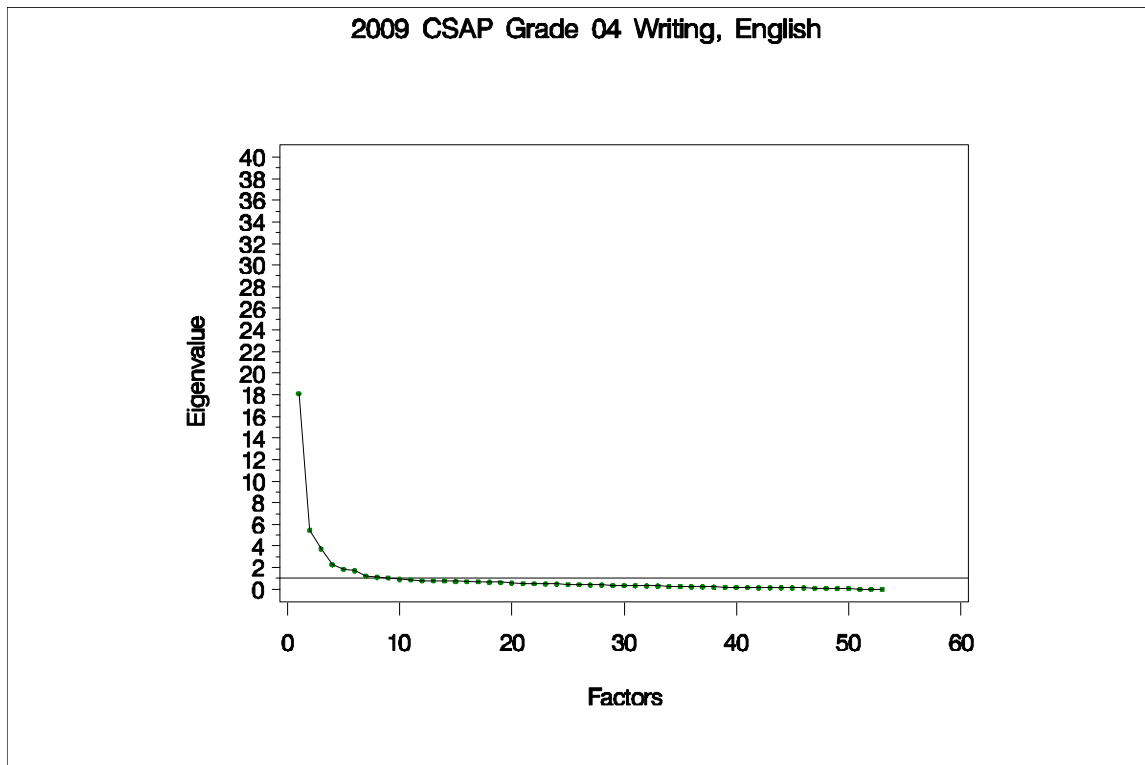
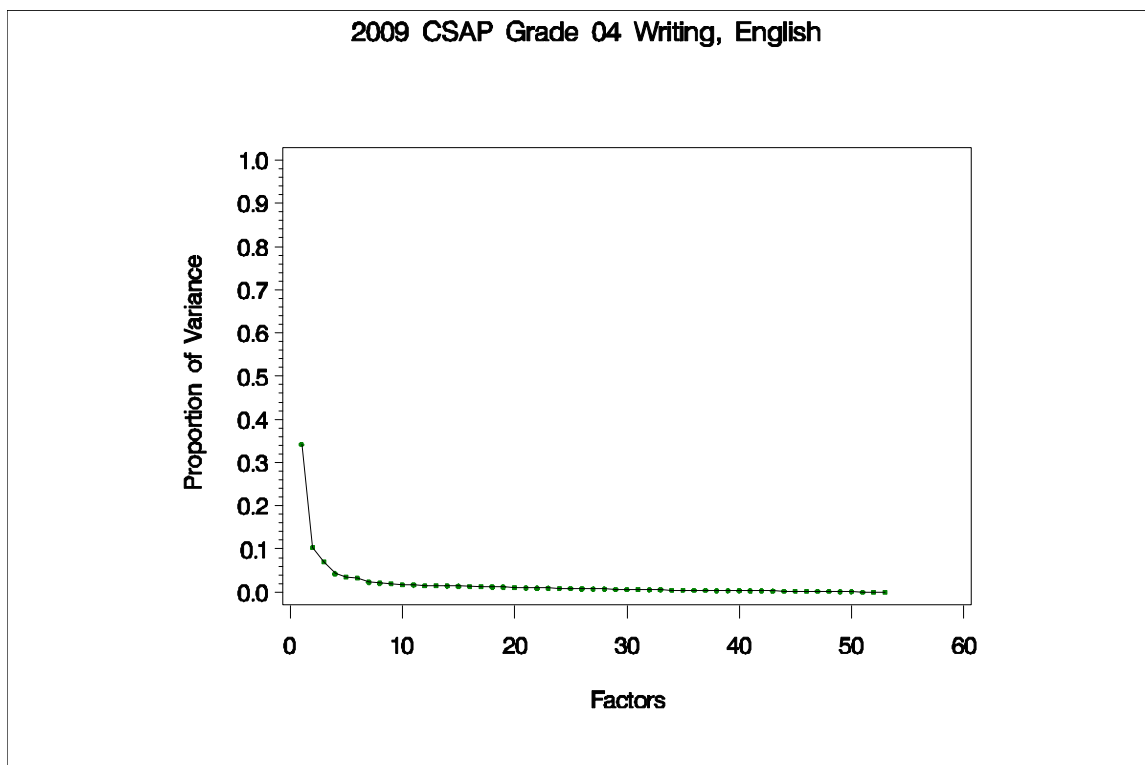
Figure 77a. Eigenvalues for CSAP Writing Grade 4**Figure 77b. Proportion of Variance by Factor for CSAP Writing Grade 4**

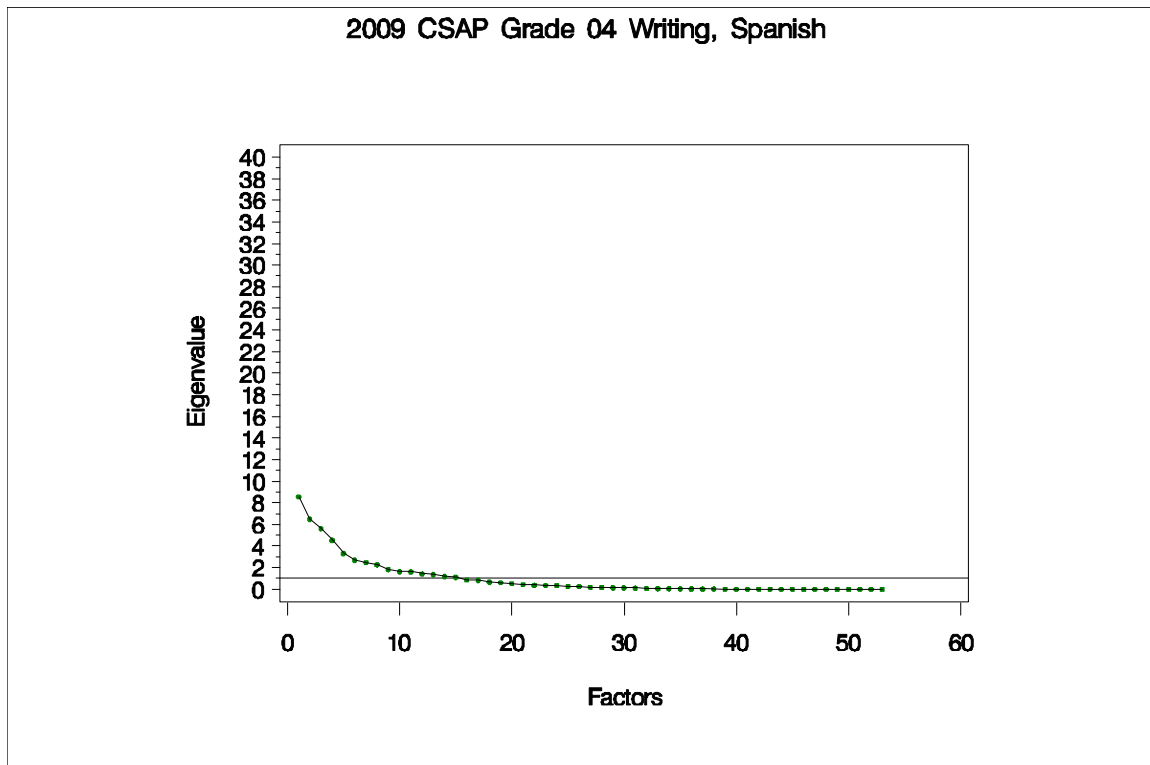
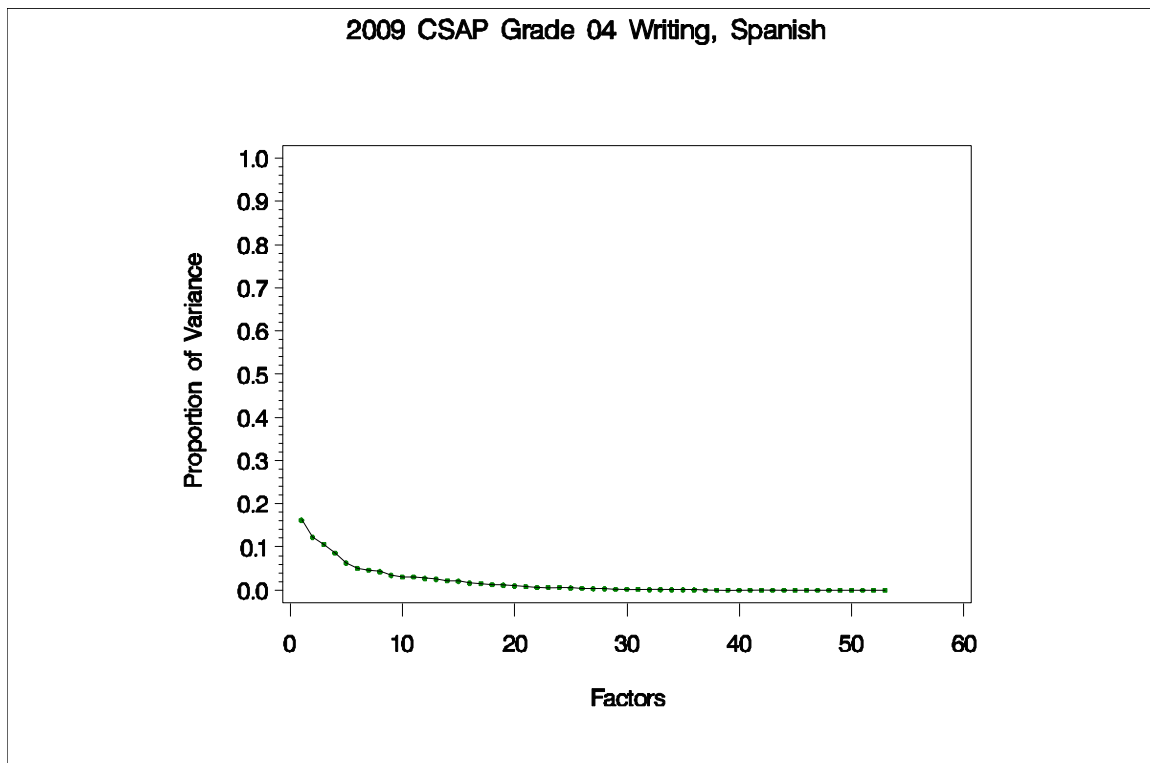
Figure 78a. Eigenvalues for CSAP Spanish Writing Grade 4**Figure 78b. Proportion of Variance by Factor for CSAP Spanish Writing Grade 4**

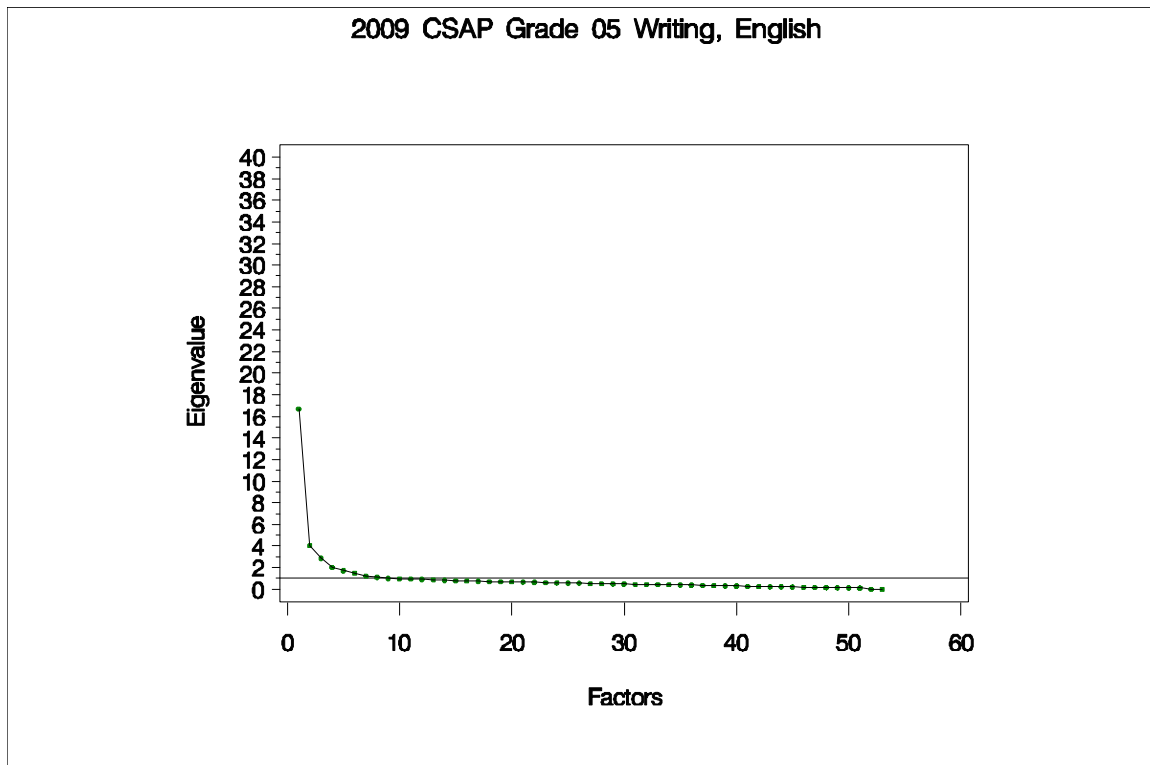
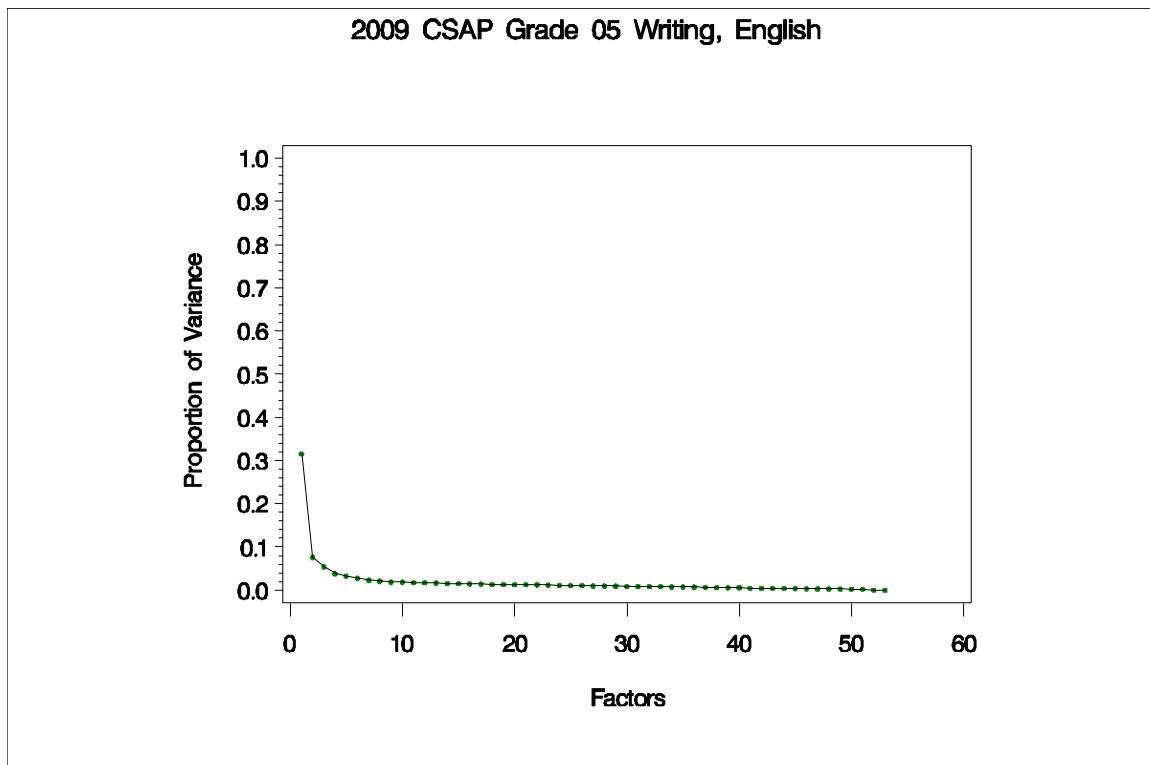
Figure 79a. Eigenvalues for CSAP Writing Grade 5**Figure 79b. Proportion of Variance by Factor for CSAP Writing Grade 5**

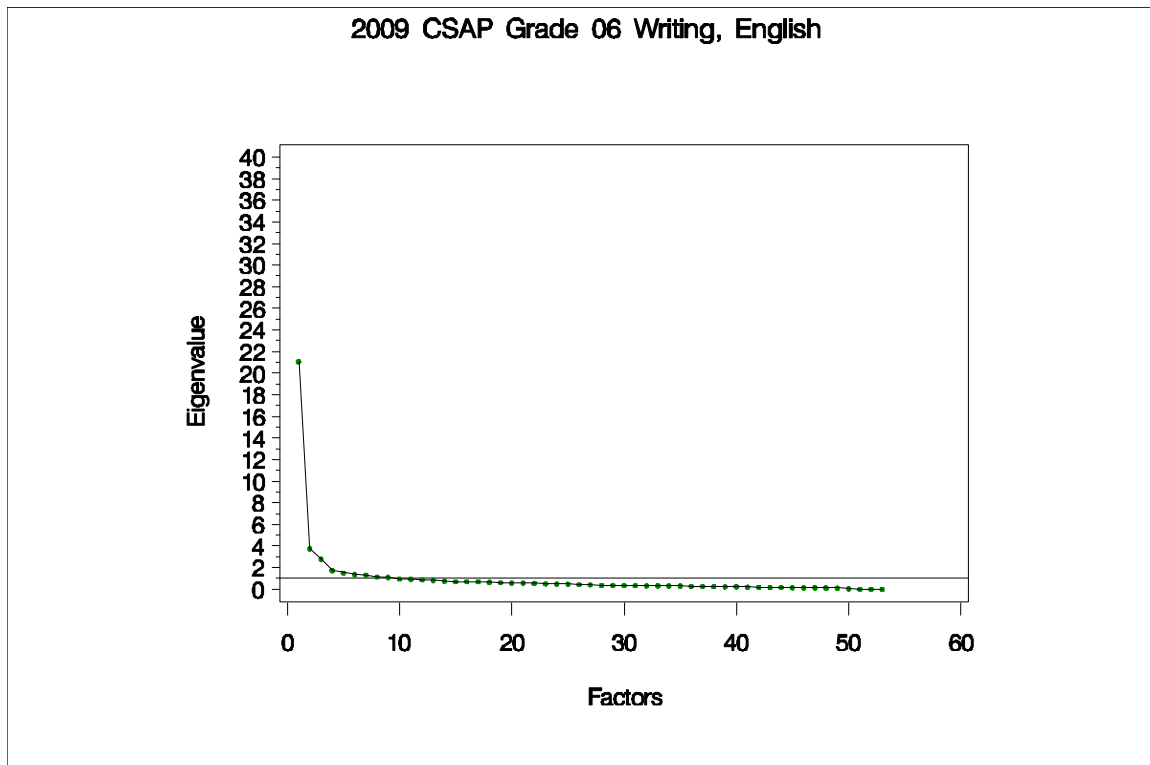
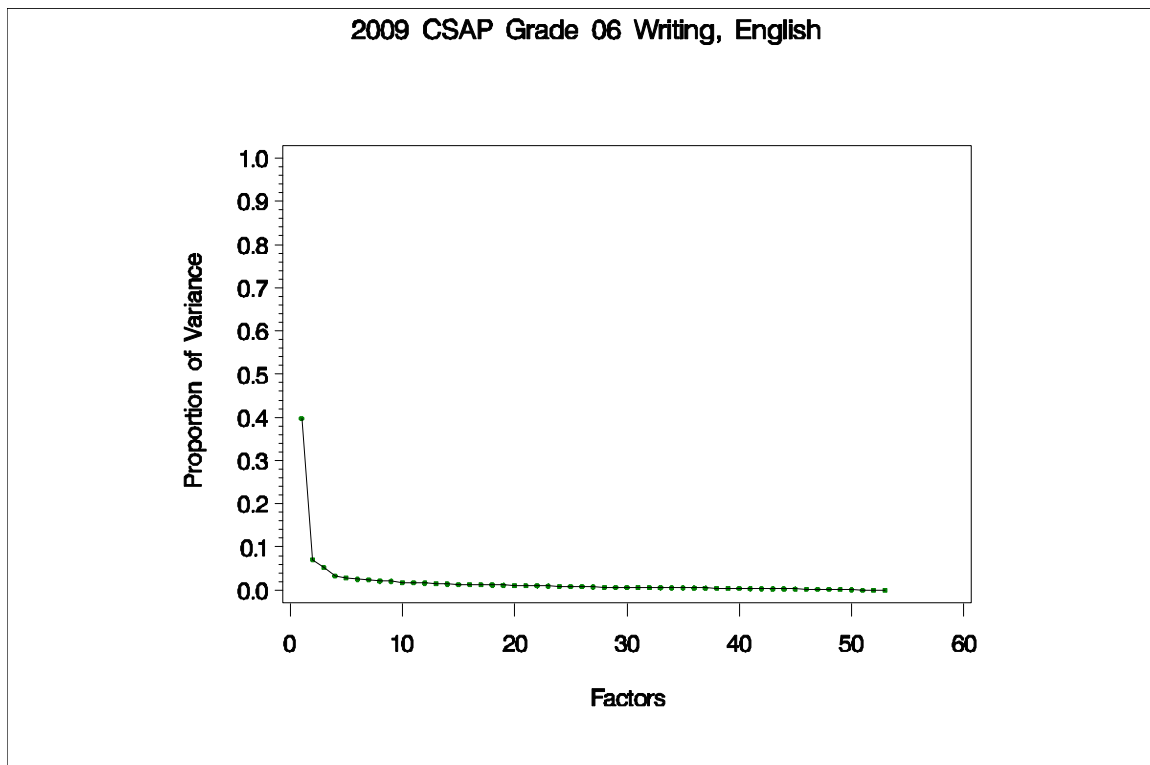
Figure 80a. Eigenvalues for CSAP Writing Grade 6**Figure 80b. Proportion of Variance by Factor for CSAP Writing Grade 6**

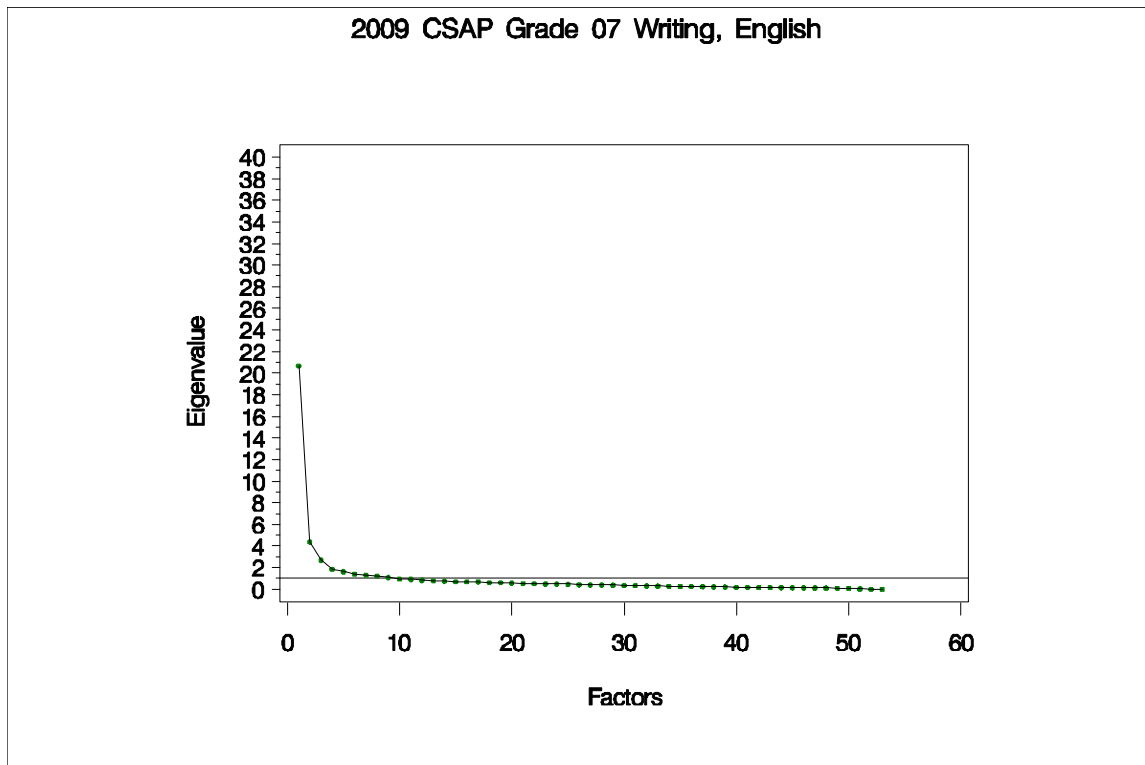
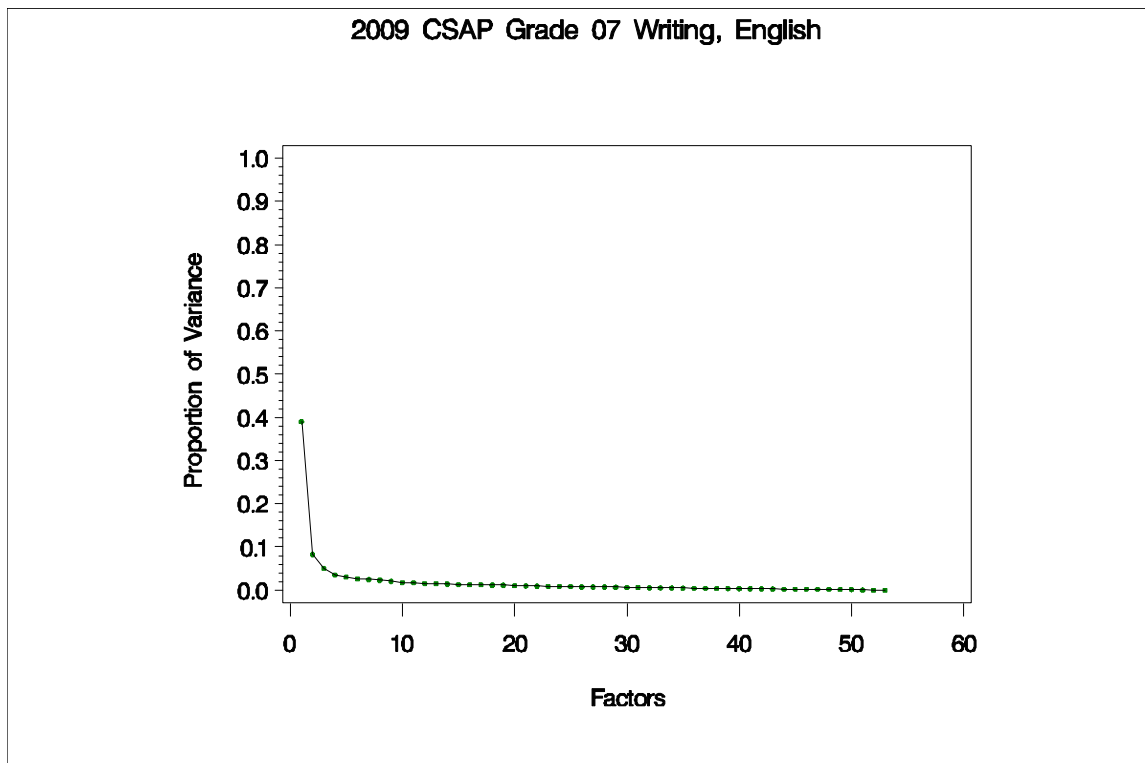
Figure 81a. Eigenvalues for CSAP Writing Grade 7**Figure 81b. Proportion of Variance by Factor for CSAP Writing Grade 7**

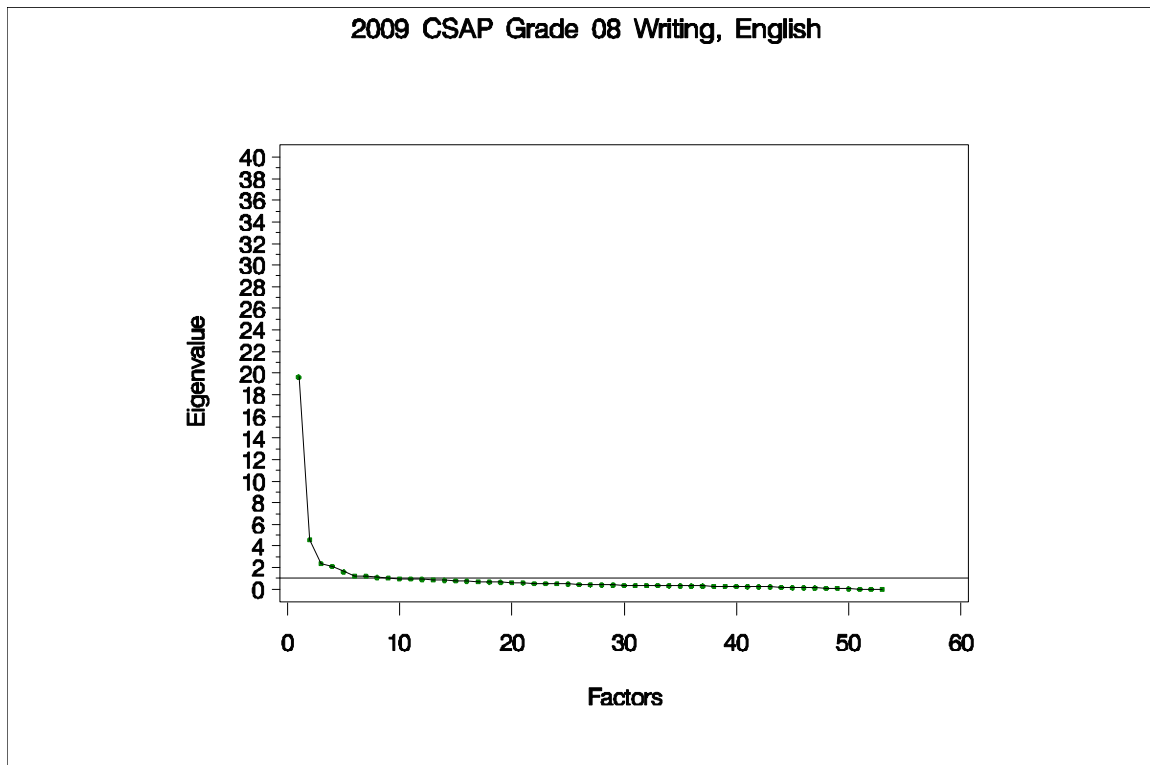
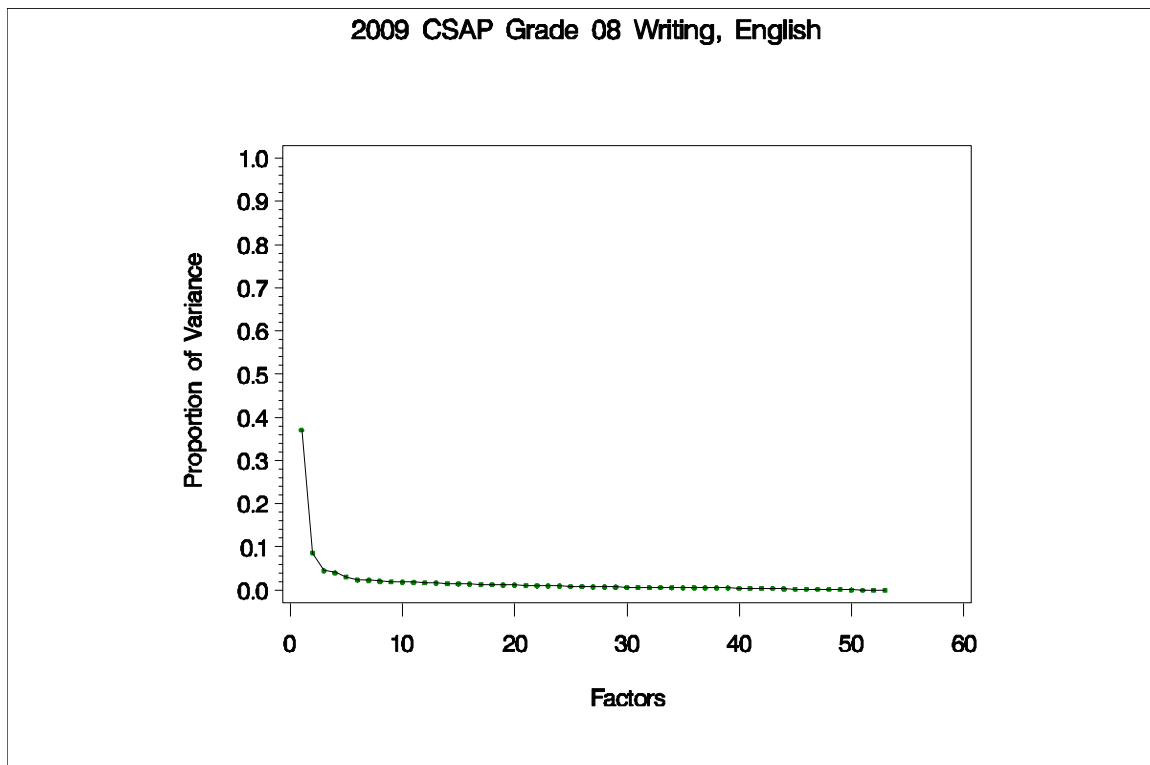
Figure 82a. Eigenvalues for CSAP Writing Grade 8**Figure 82b. Proportion of Variance by Factor for CSAP Writing Grade 8**

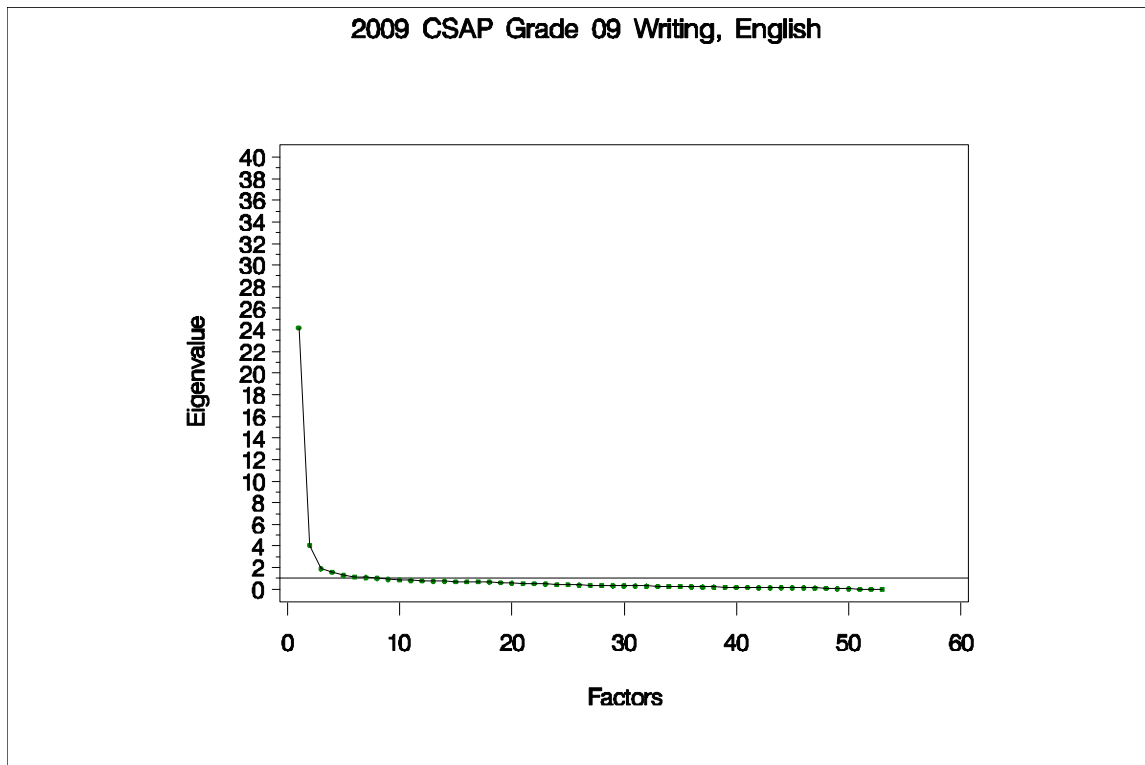
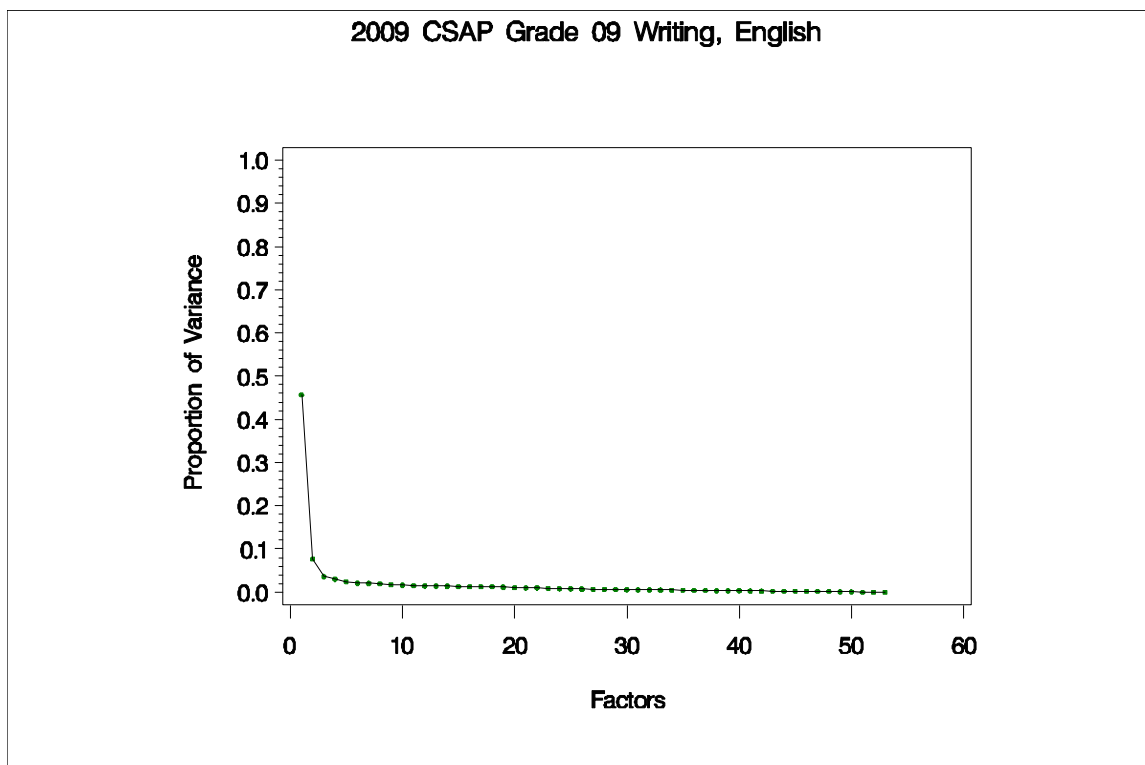
Figure 83a. Eigenvalues for CSAP Writing Grade 9**Figure 83b. Proportion of Variance by Factor for CSAP Writing Grade 9**

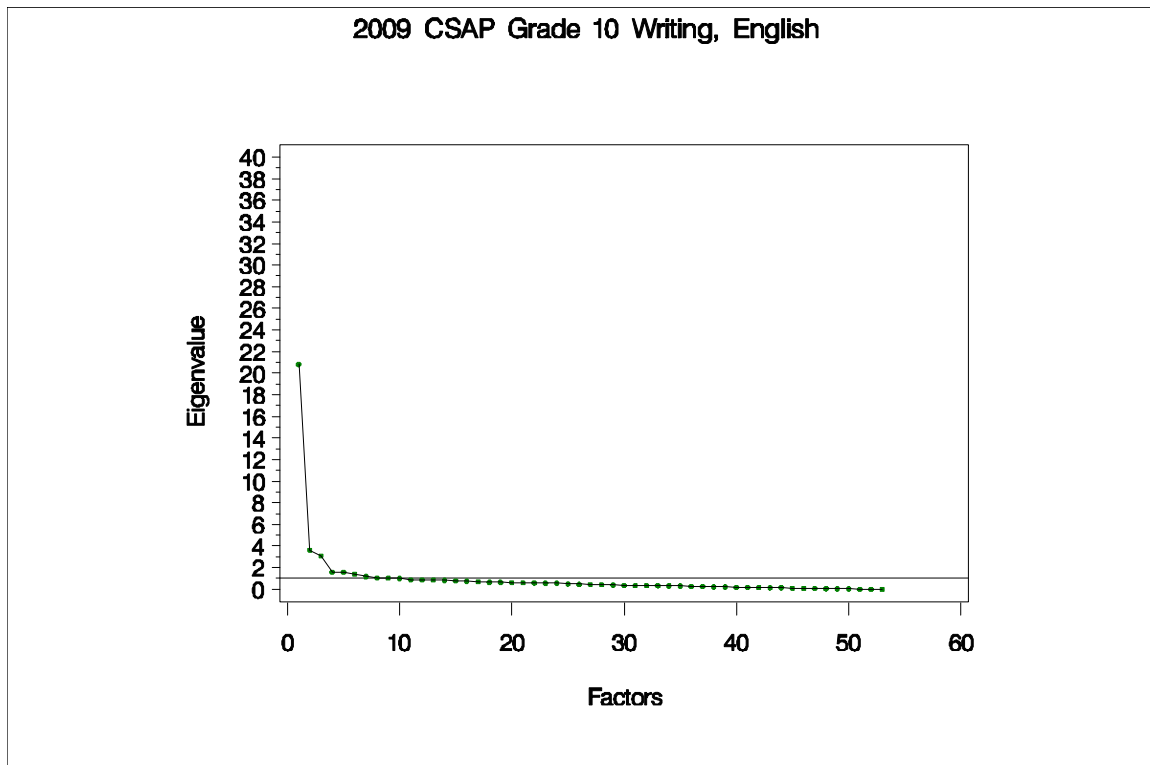
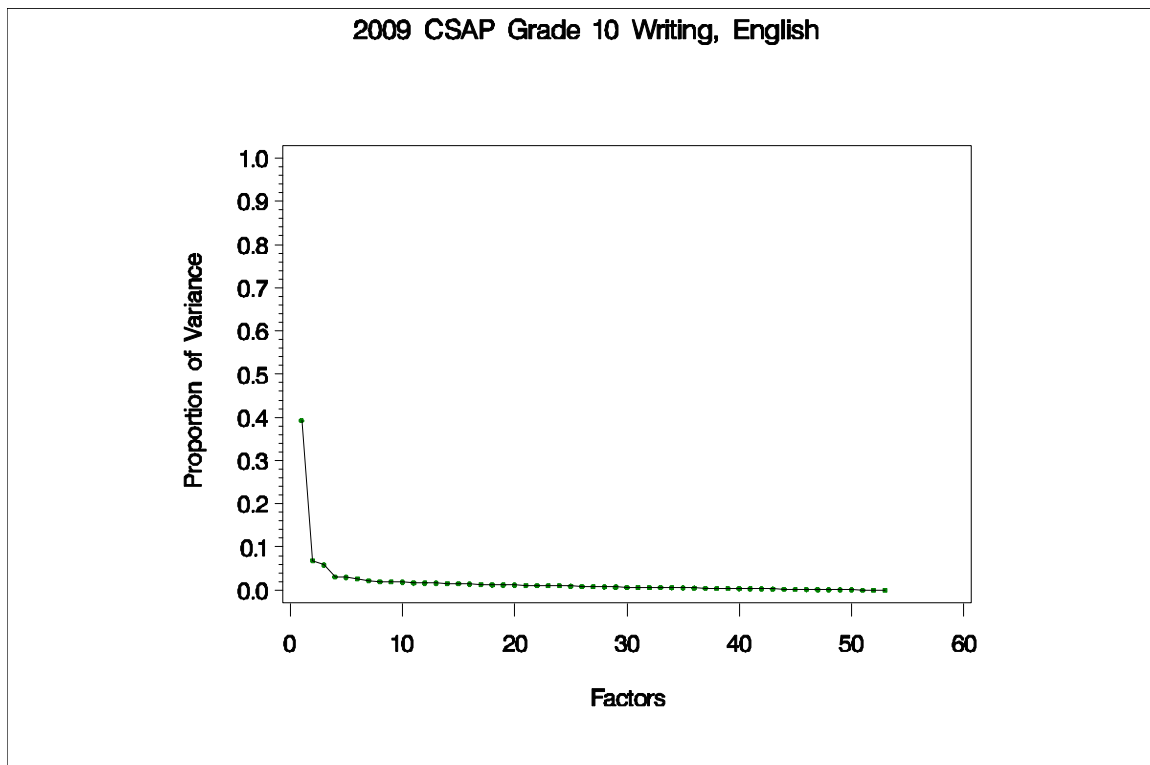
Figure 84a. Eigenvalues for CSAP Writing Grade 10**Figure 84b. Proportion of Variance by Factor for CSAP Writing Grade 10**

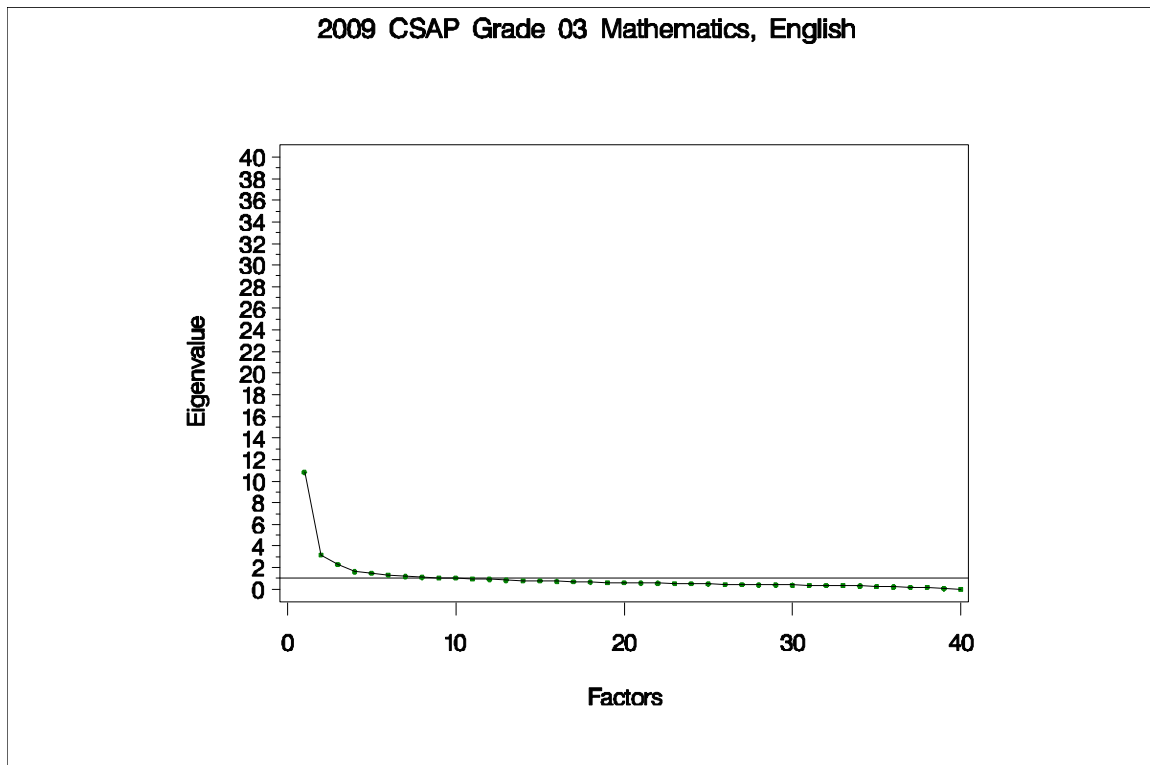
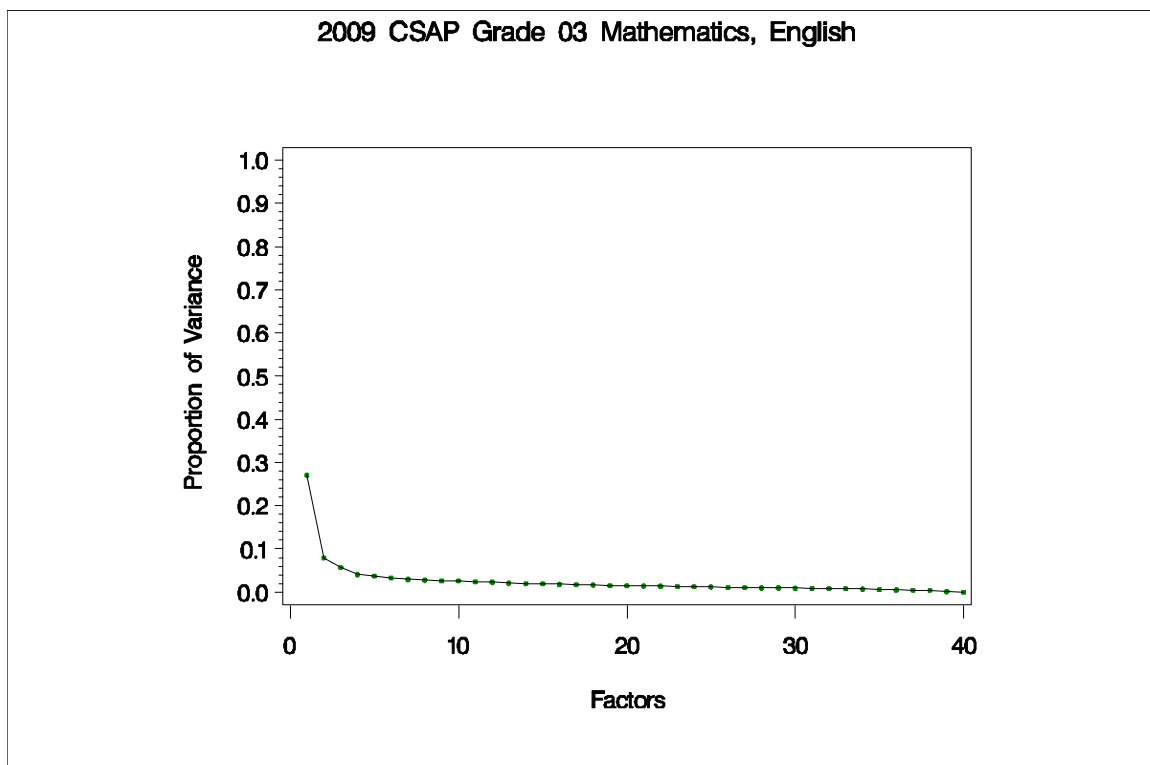
Figure 85a. Eigenvalues for CSAP Mathematics Grade 3**Figure 85b. Proportion of Variance by Factor for CSAP Mathematics Grade 3**

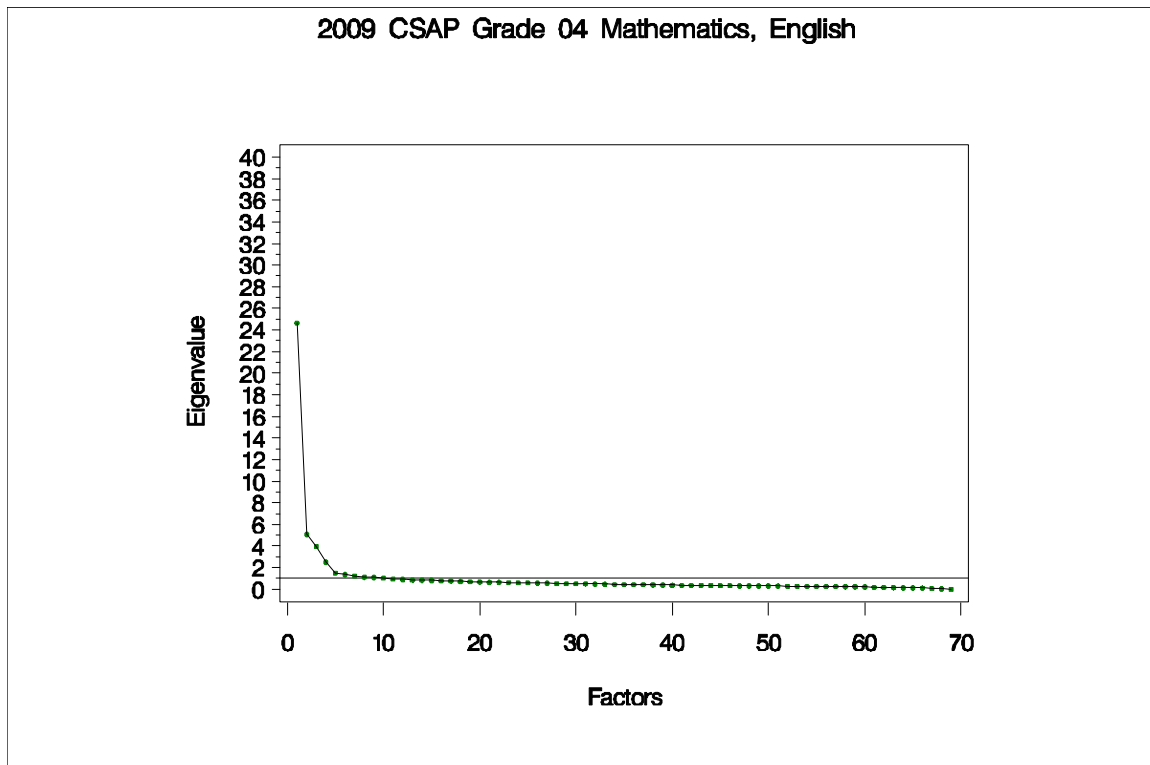
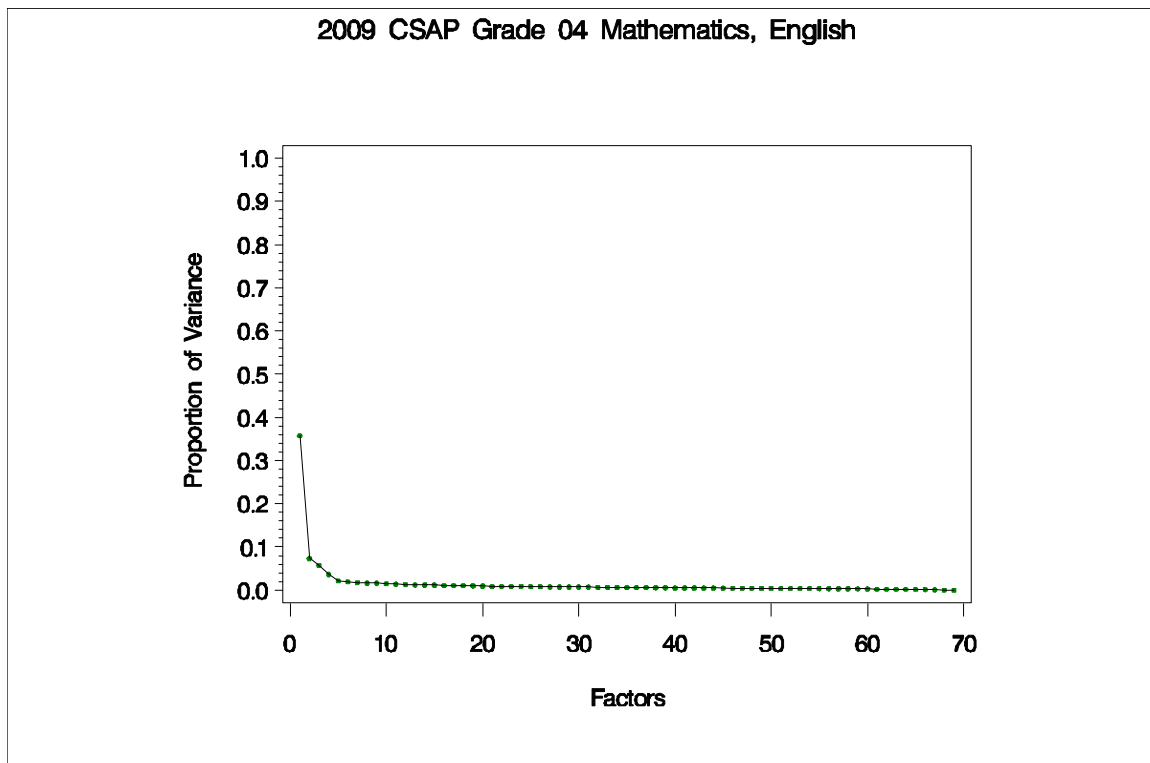
Figure 86a. Eigenvalues for CSAP Mathematics Grade 4**Figure 86b. Proportion of Variance by Factor for CSAP Mathematics Grade 4**

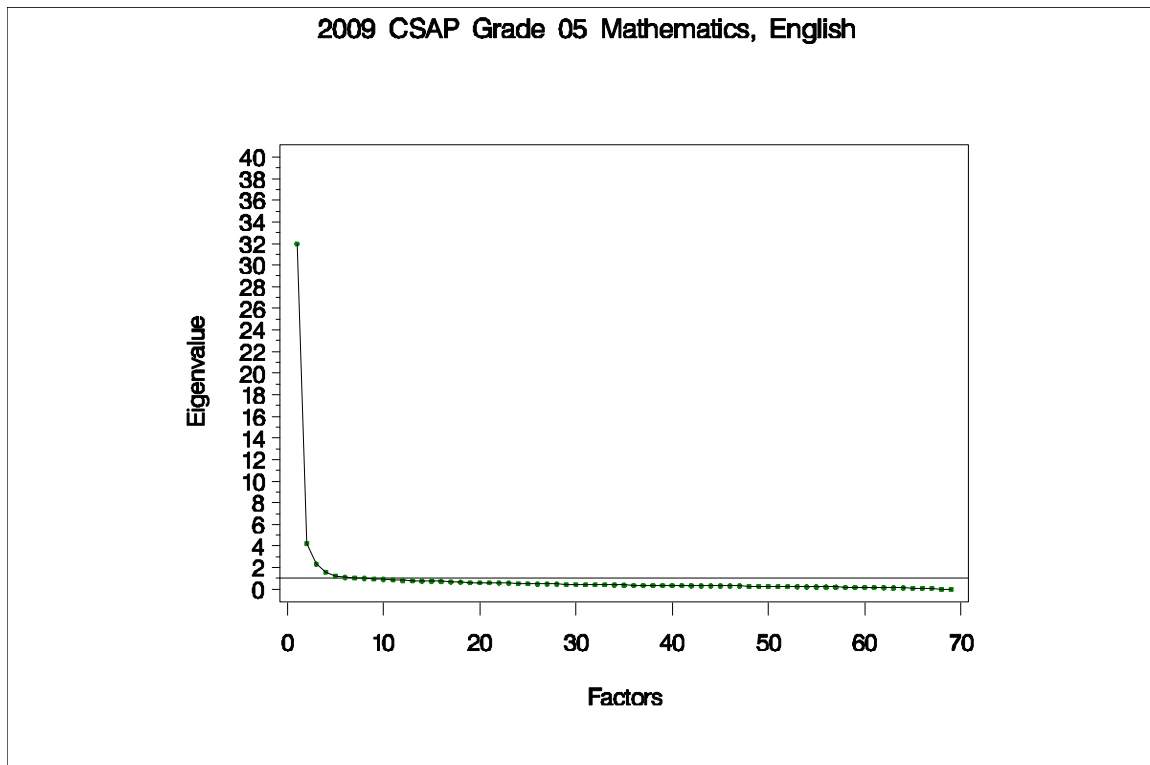
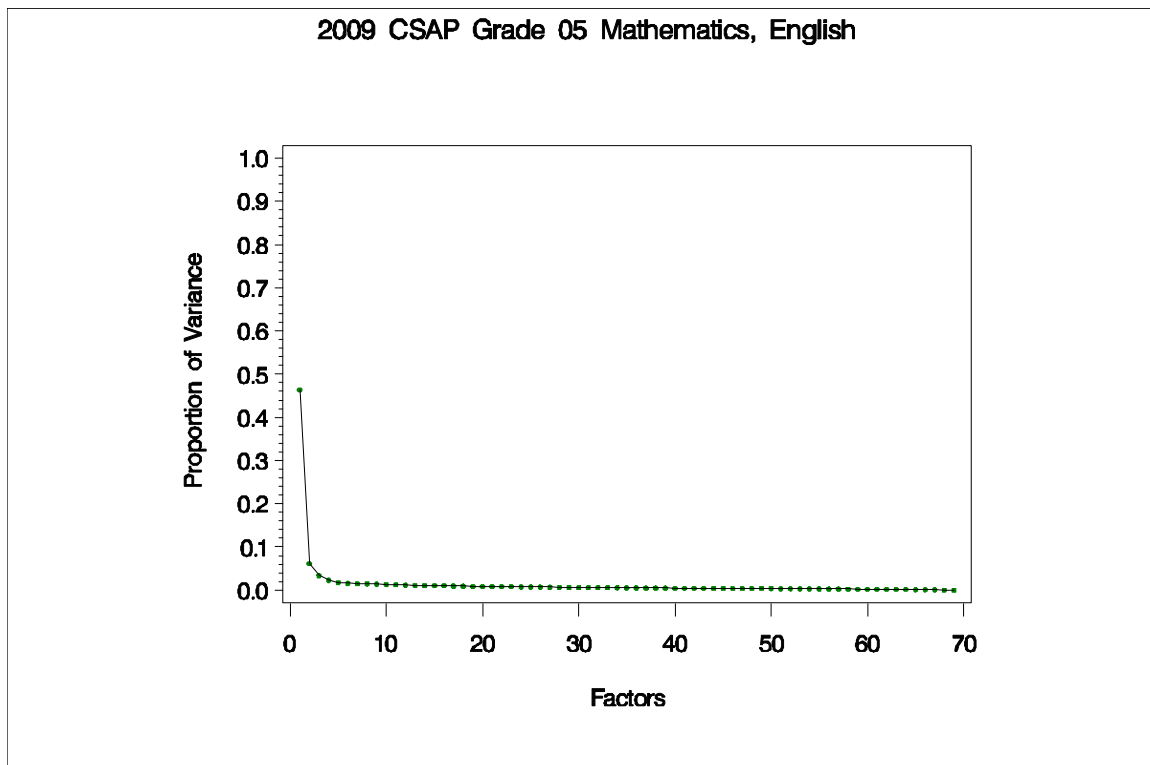
Figure 87a. Eigenvalues for CSAP Mathematics Grade 5**Figure 87b. Proportion of Variance by Factor for CSAP Mathematics Grade 5**

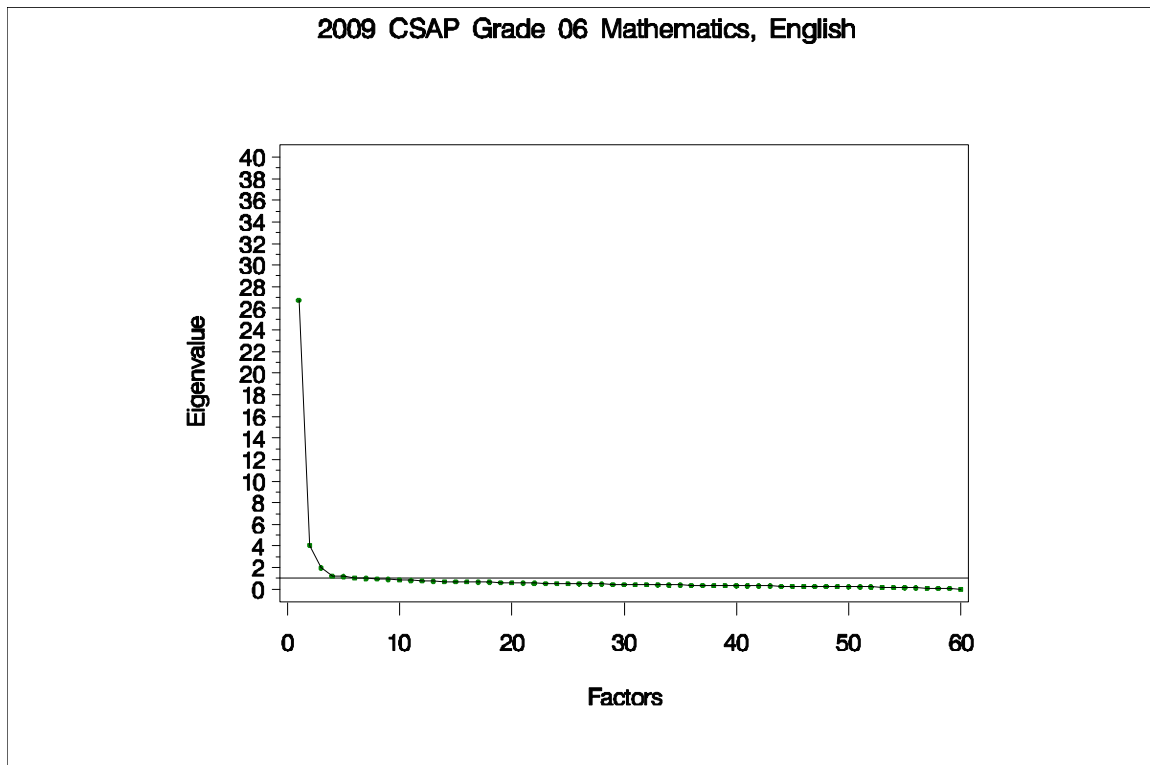
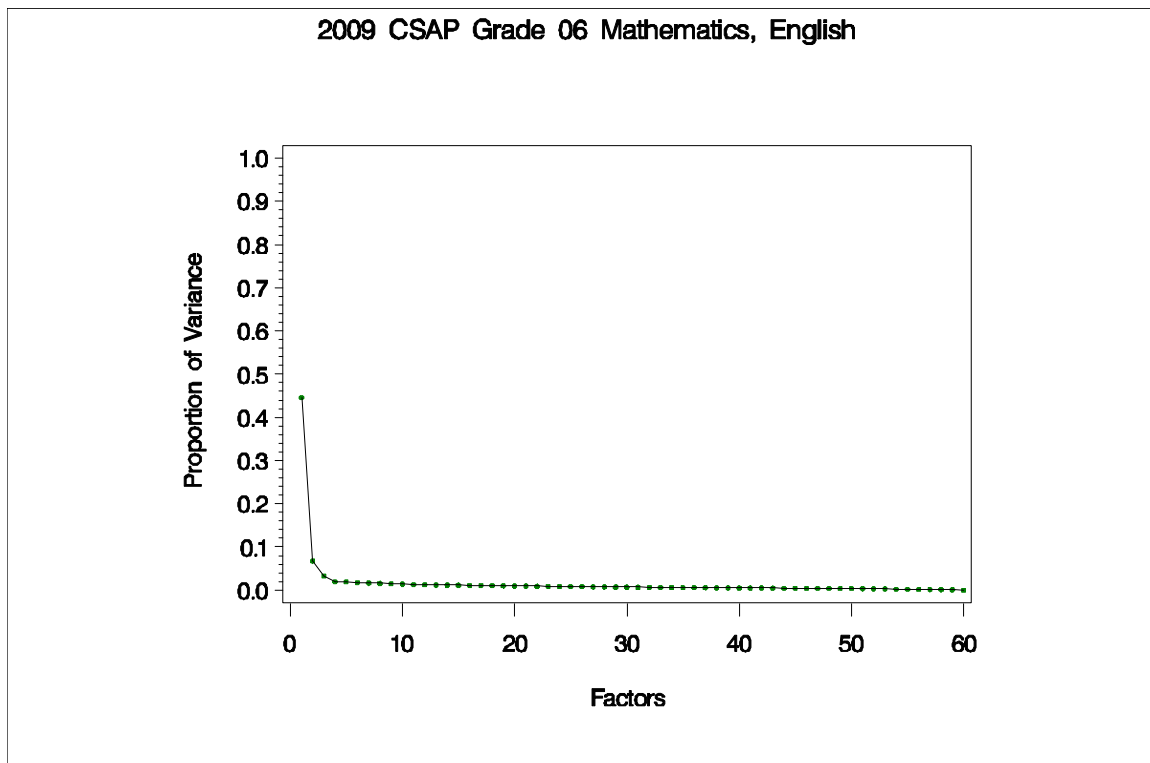
Figure 88a. Eigenvalues for CSAP Mathematics Grade 6**Figure 88b. Proportion of Variance by Factor for CSAP Mathematics Grade 6**

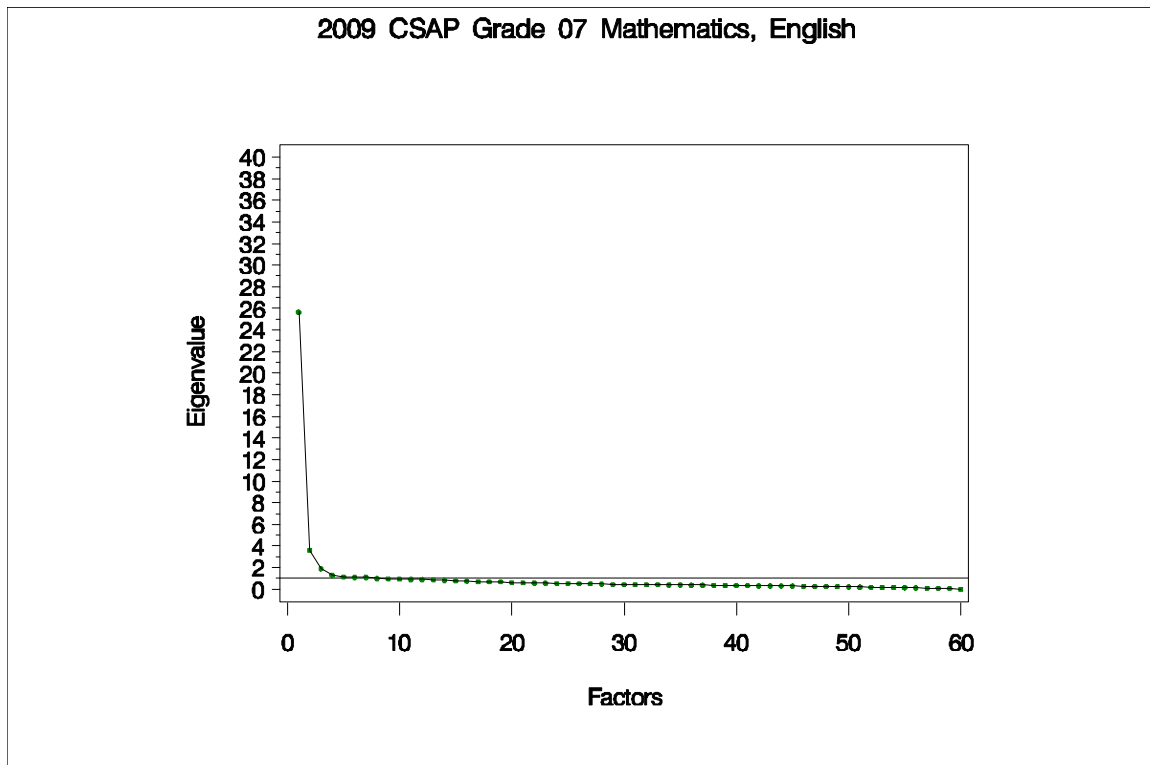
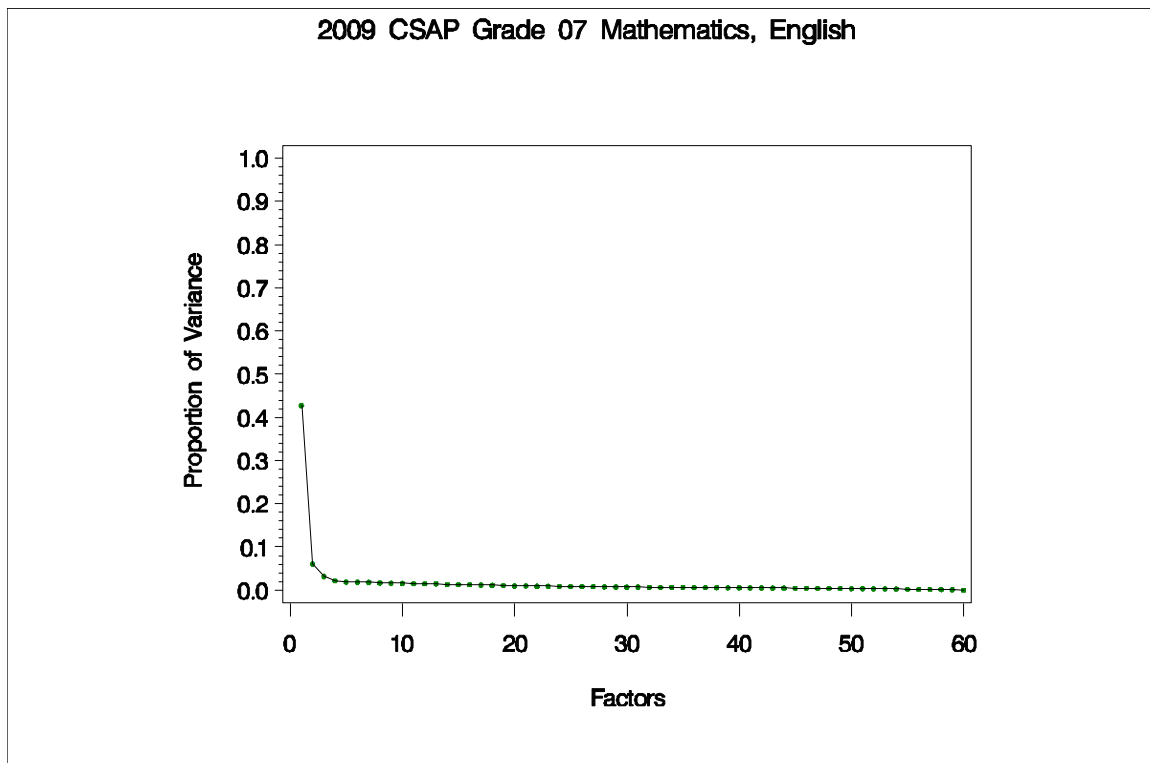
Figure 89a. Eigenvalues for CSAP Mathematics Grade 7**Figure 89b. Proportion of Variance by Factor for CSAP Mathematics Grade 7**

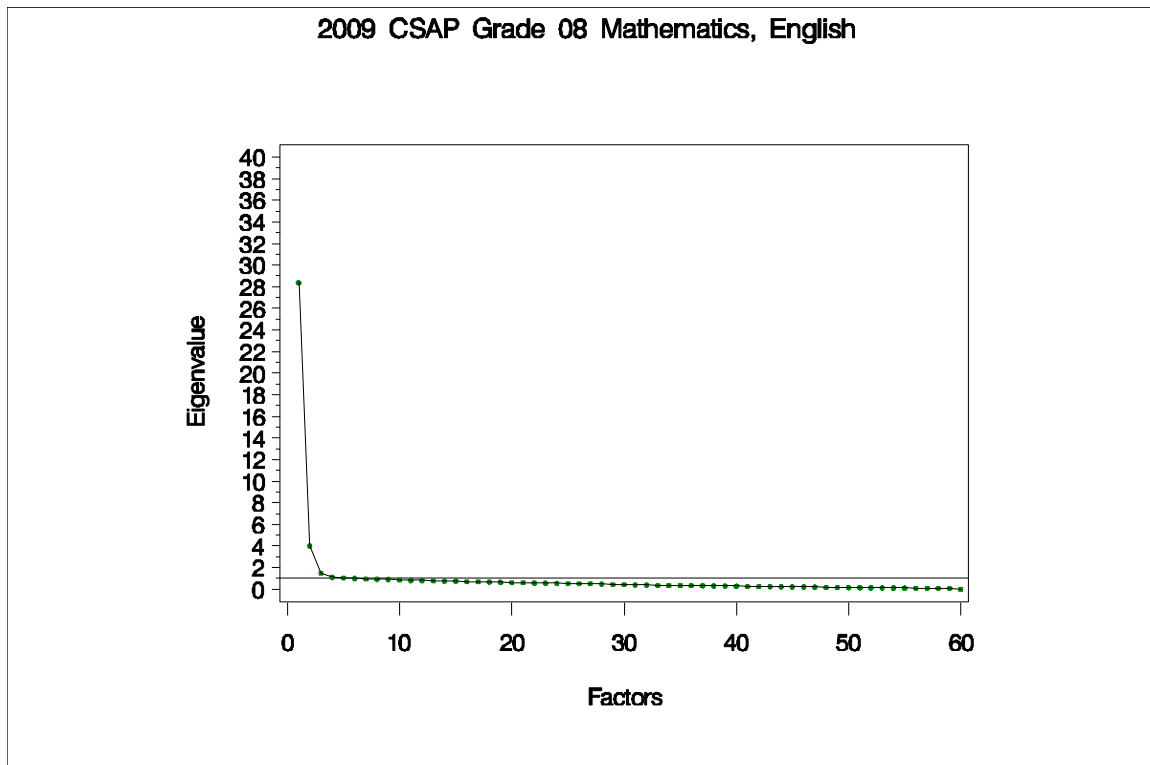
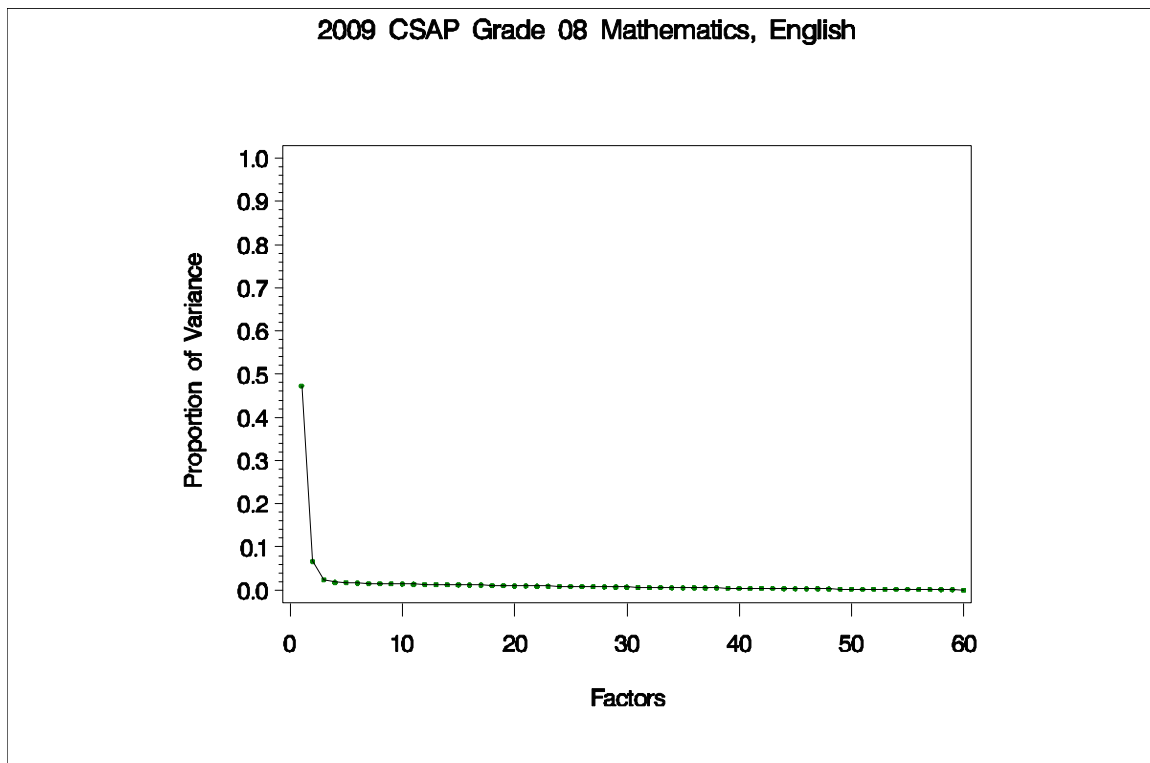
Figure 90a. Eigenvalues for CSAP Mathematics Grade 8**Figure 90b. Proportion of Variance by Factor for CSAP Mathematics Grade 8**

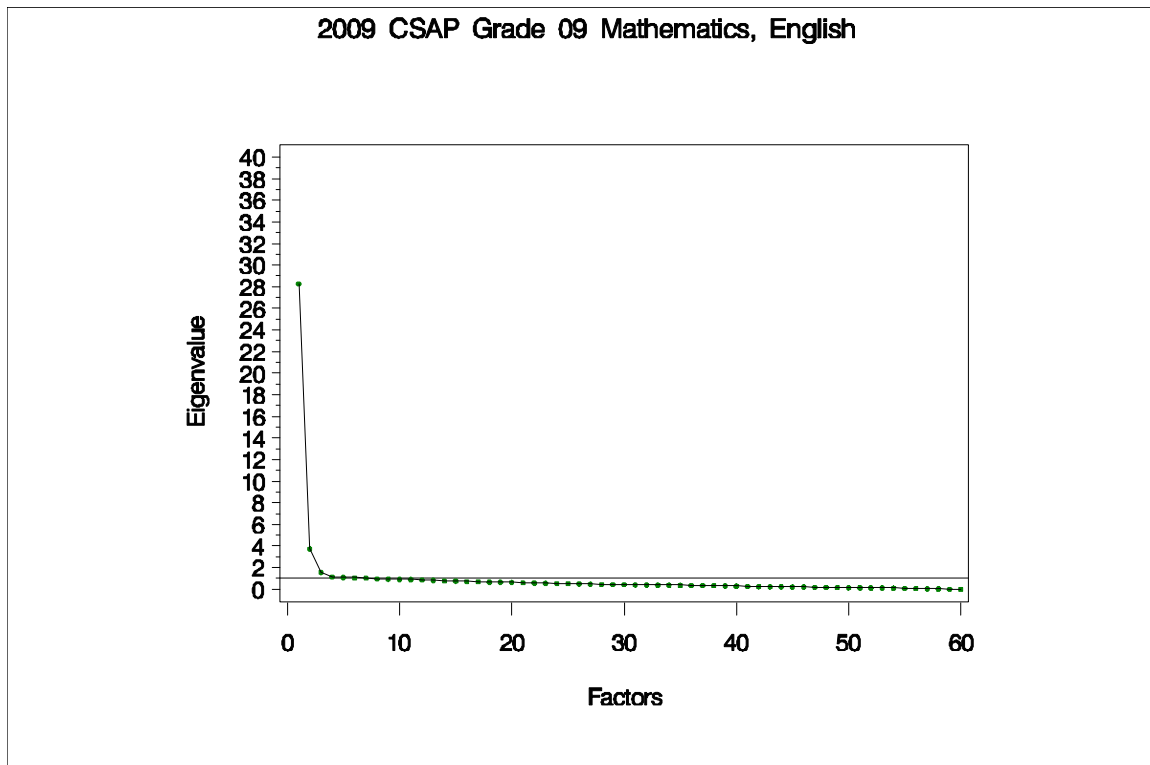
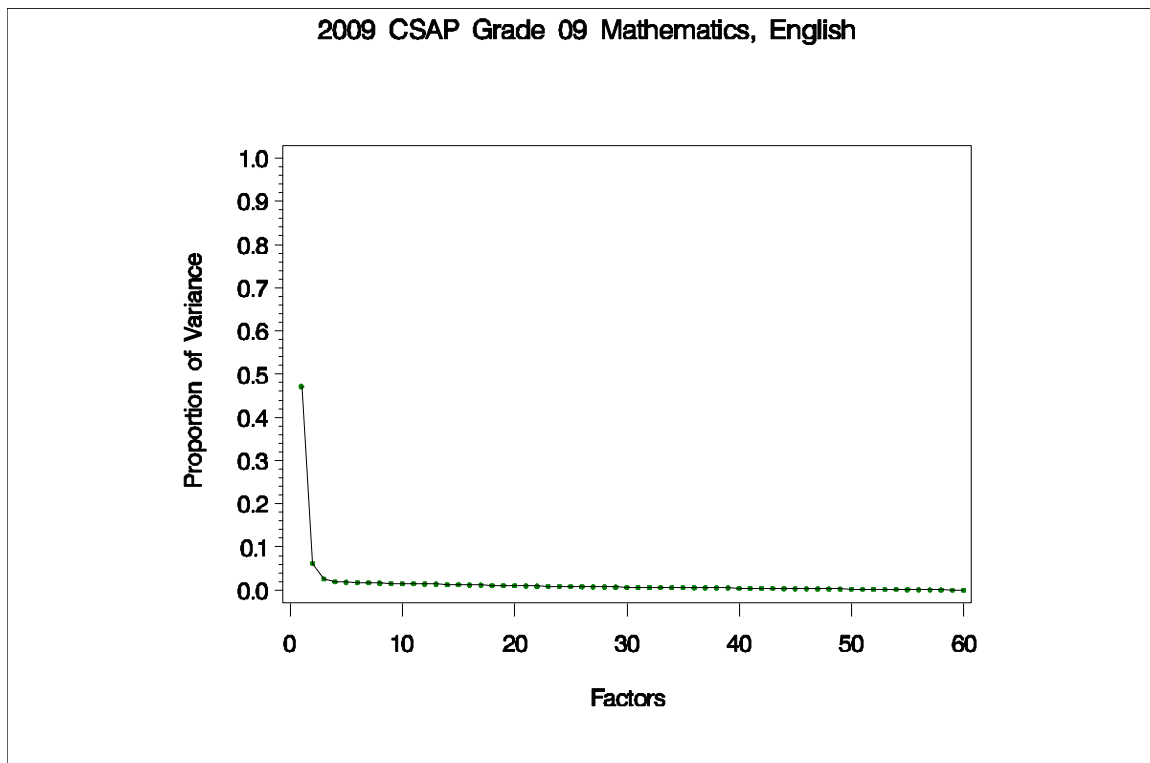
Figure 91a. Eigenvalues for CSAP Mathematics Grade 9**Figure 91b. Proportion of Variance by Factor for CSAP Mathematics Grade 9**

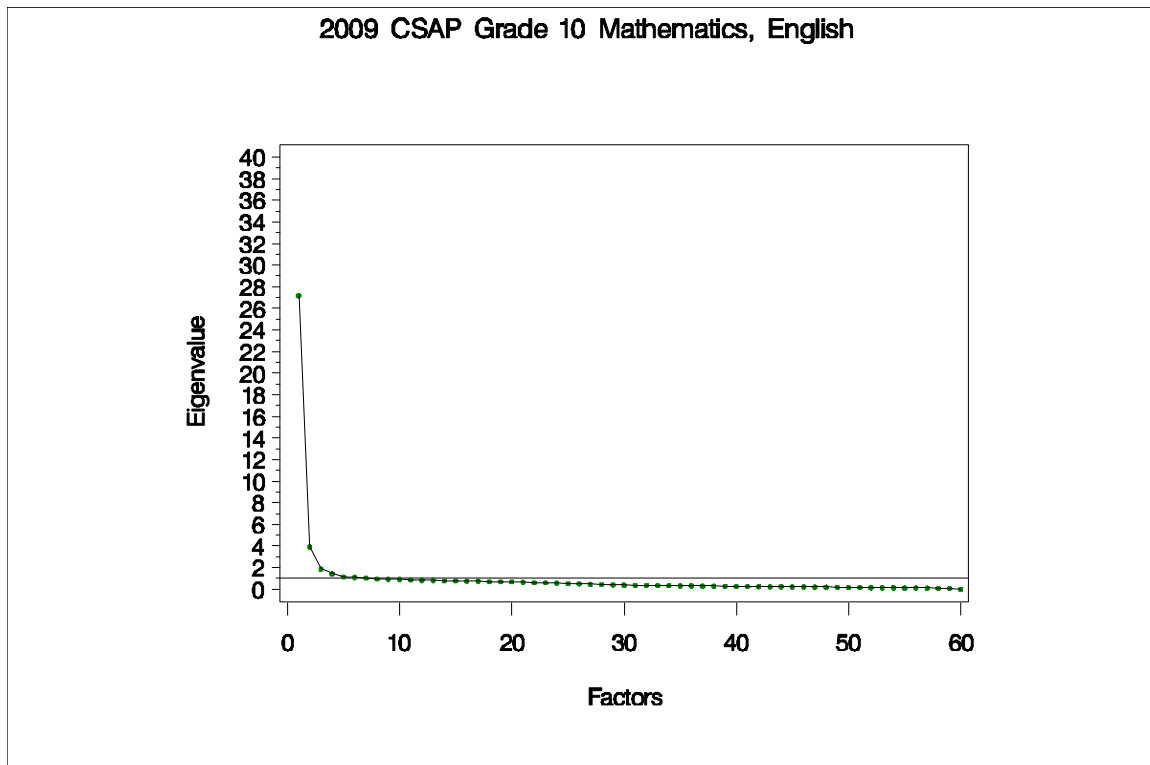
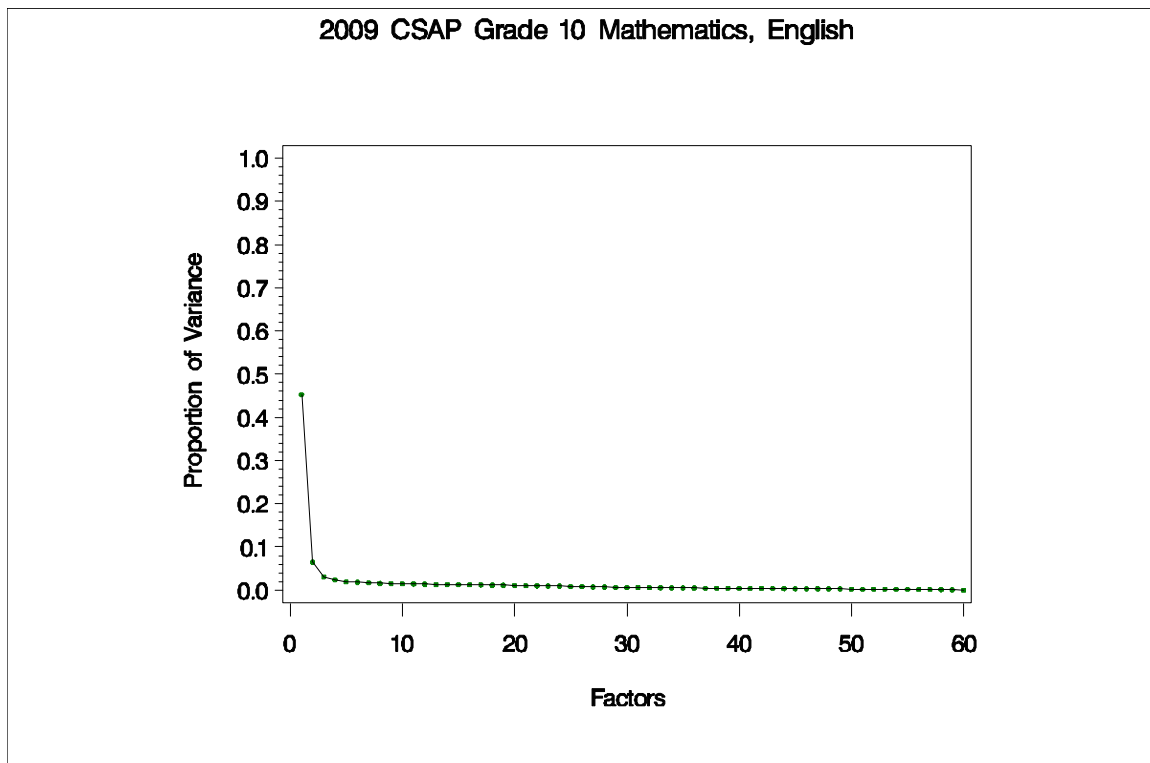
Figure 92a. Eigenvalues for CSAP Mathematics Grade 10**Figure 92b. Proportion of Variance by Factor for CSAP Mathematics Grade 10**

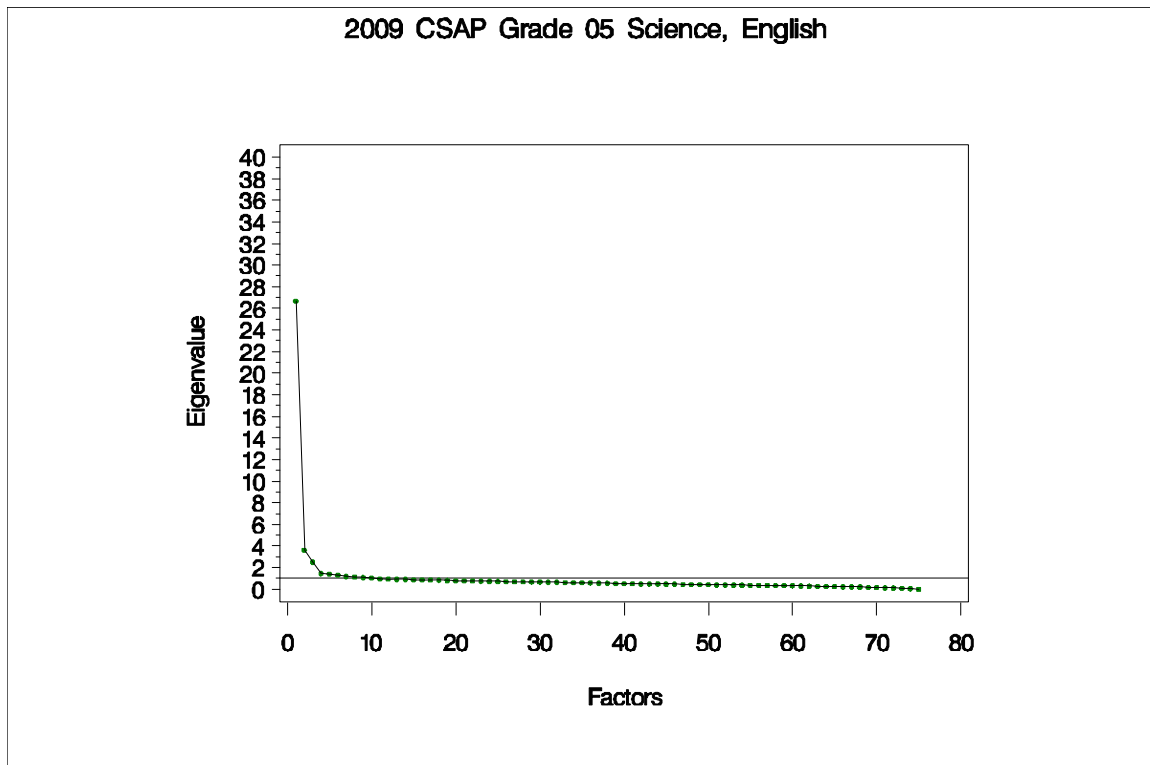
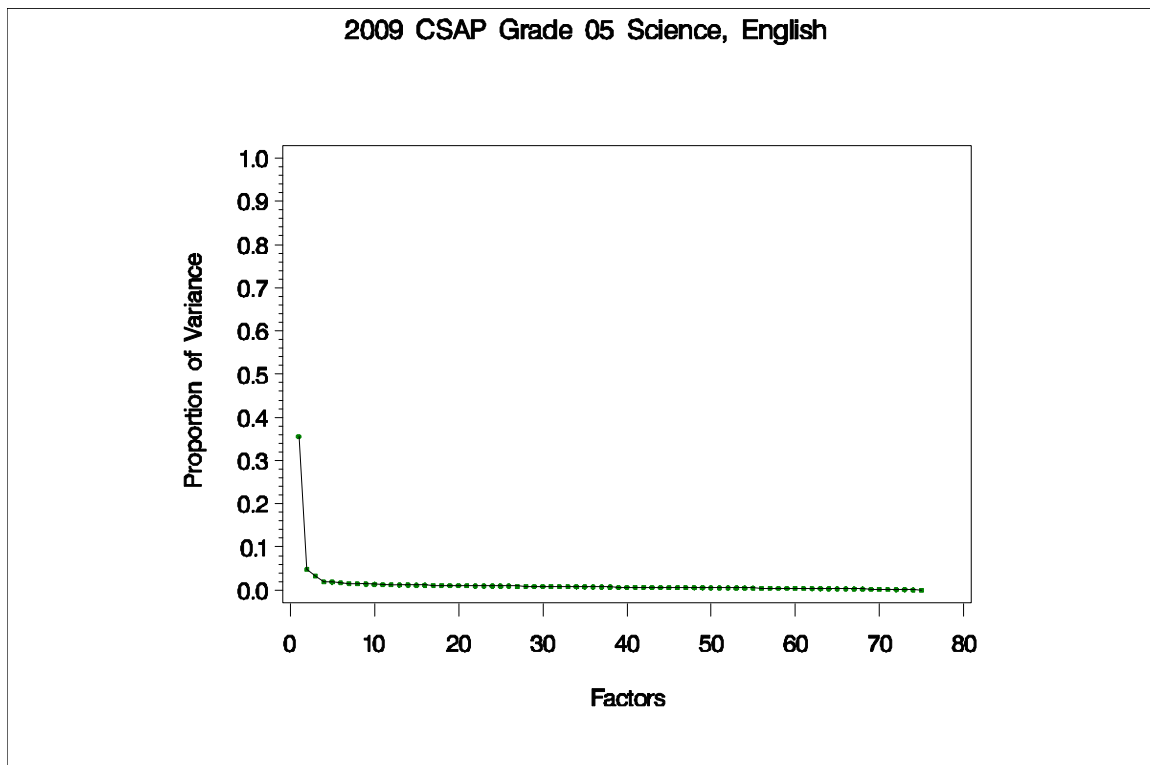
Figure 93a. Eigenvalues for CSAP Science Grade 5**Figure 93b. Proportion of Variance by Factor for CSAP Science Grade 5**

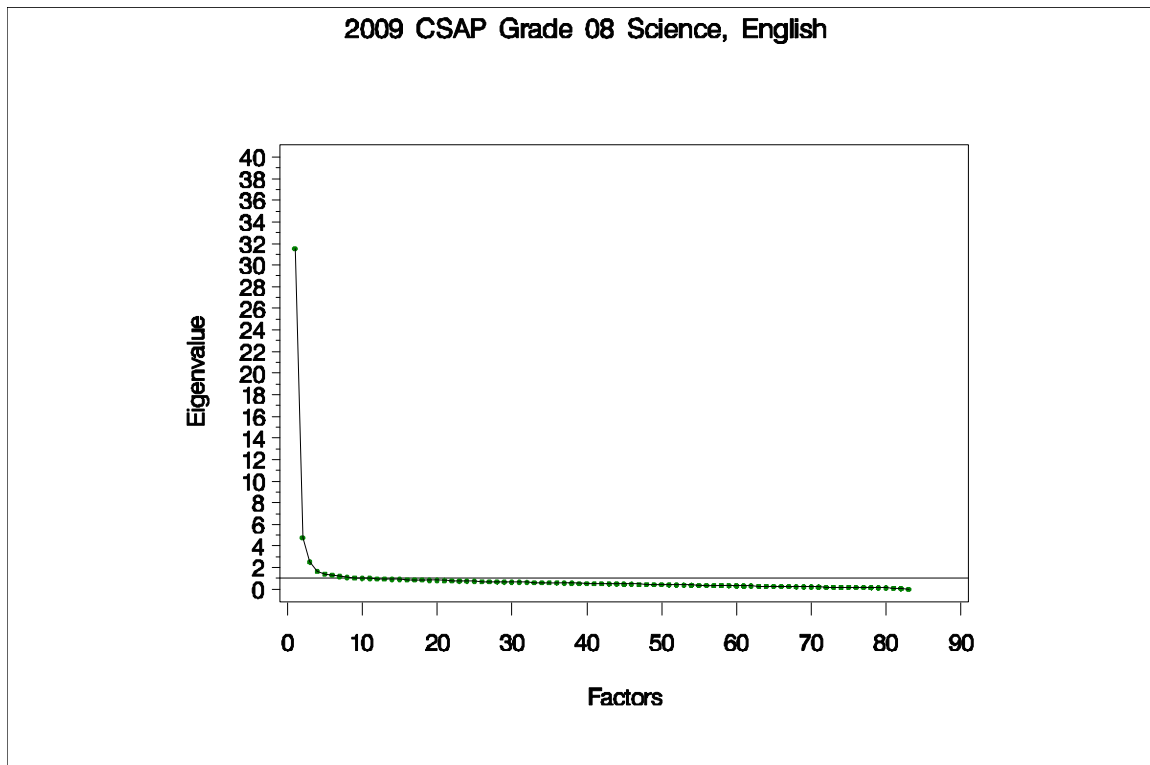
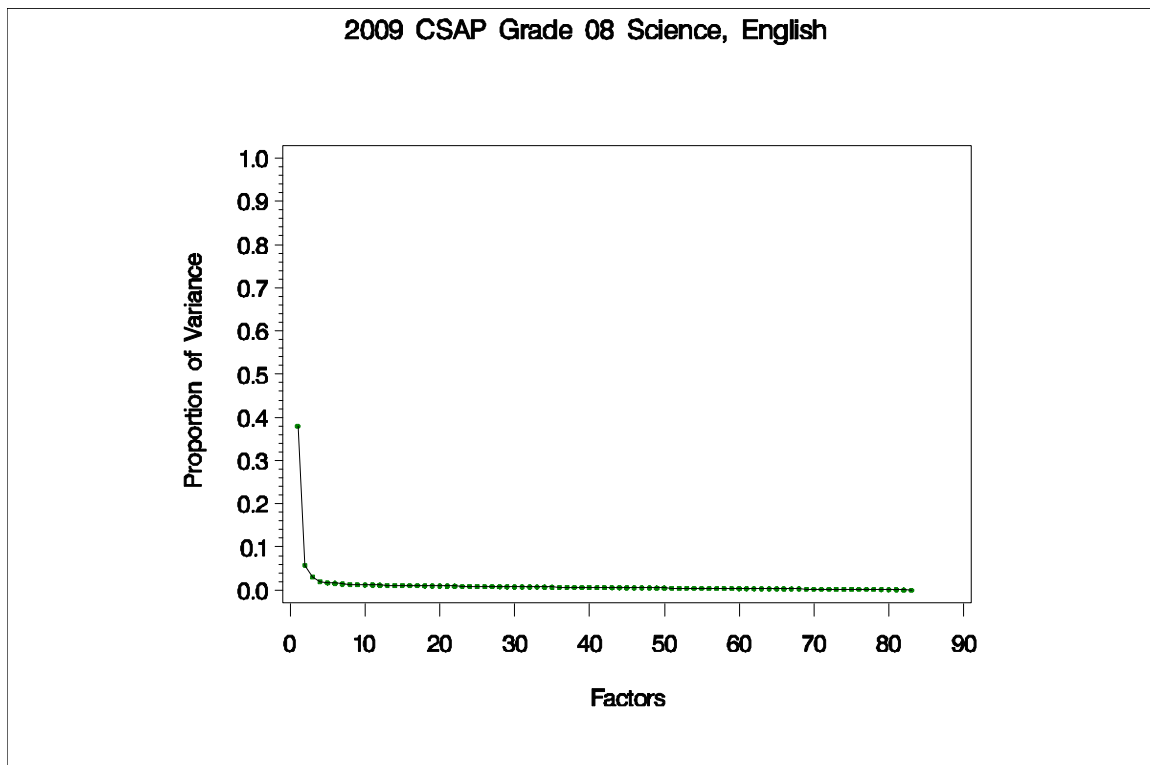
Figure 94a. Eigenvalues for CSAP Science Grade 8**Figure 94b. Proportion of Variance by Factor for CSAP Science Grade 8**

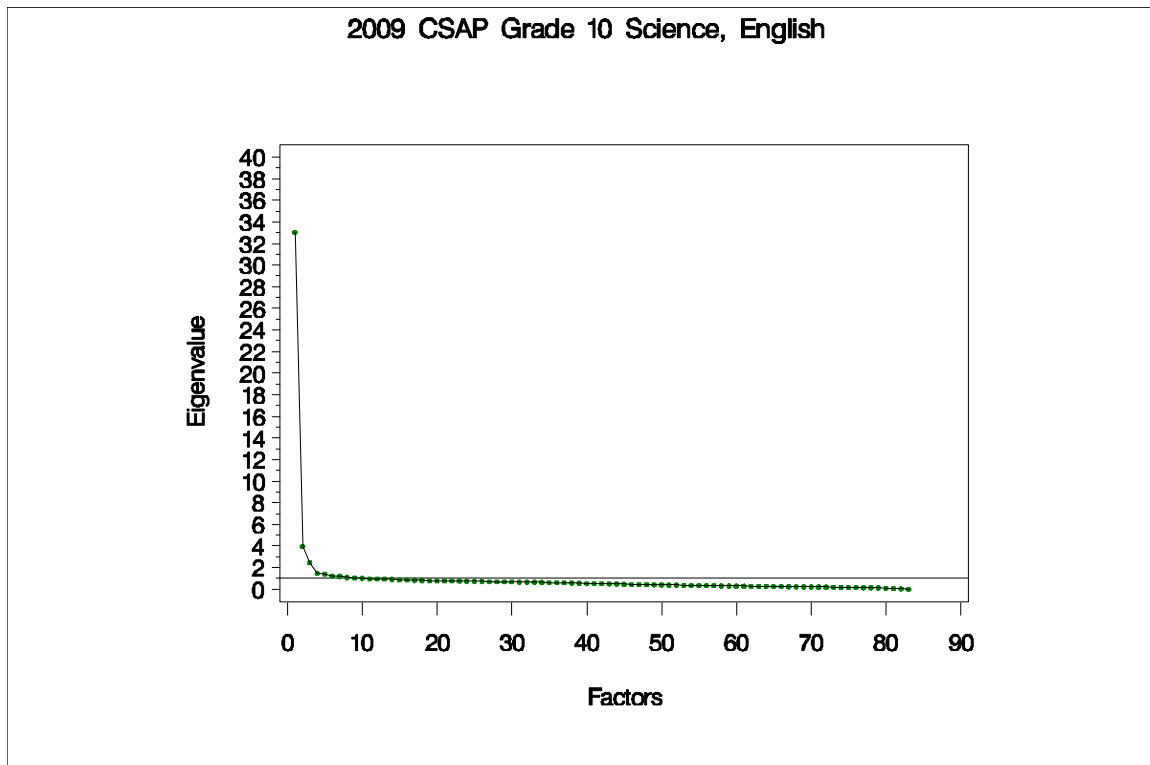
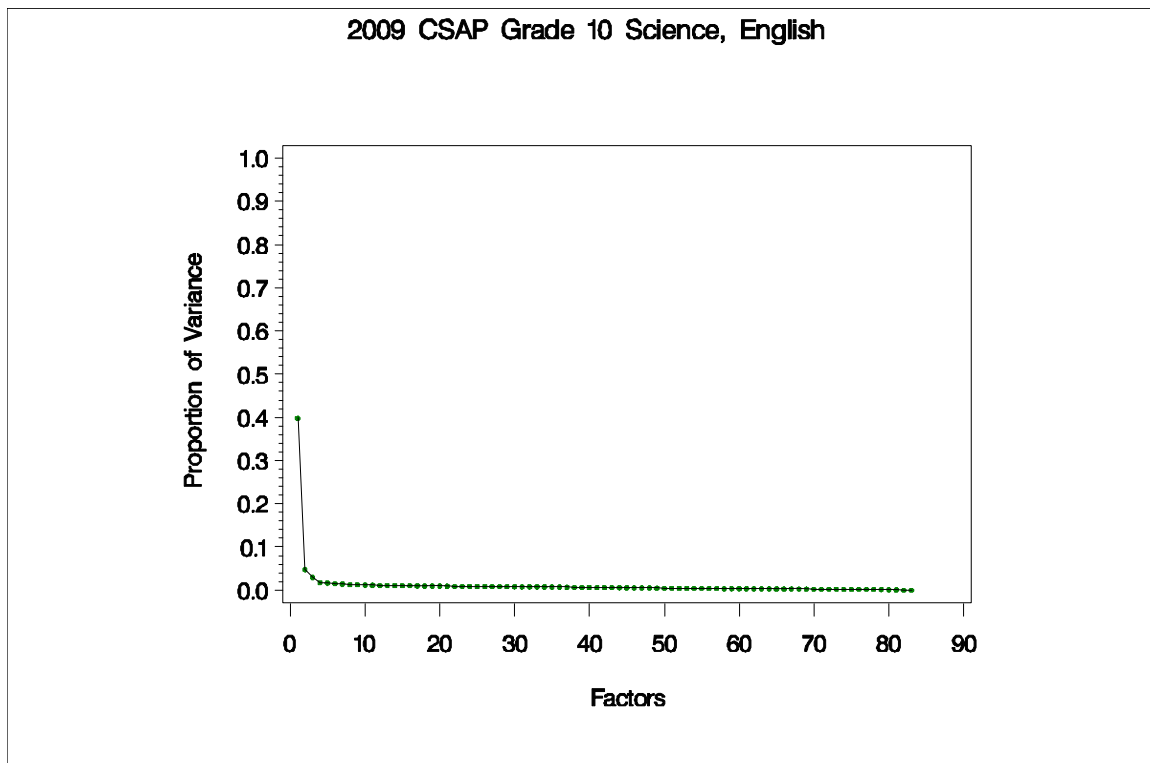
Figure 95a. Eigenvalues for CSAP Science Grade 10**Figure 95b. Proportion of Variance by Factor for CSAP Science Grade 10**

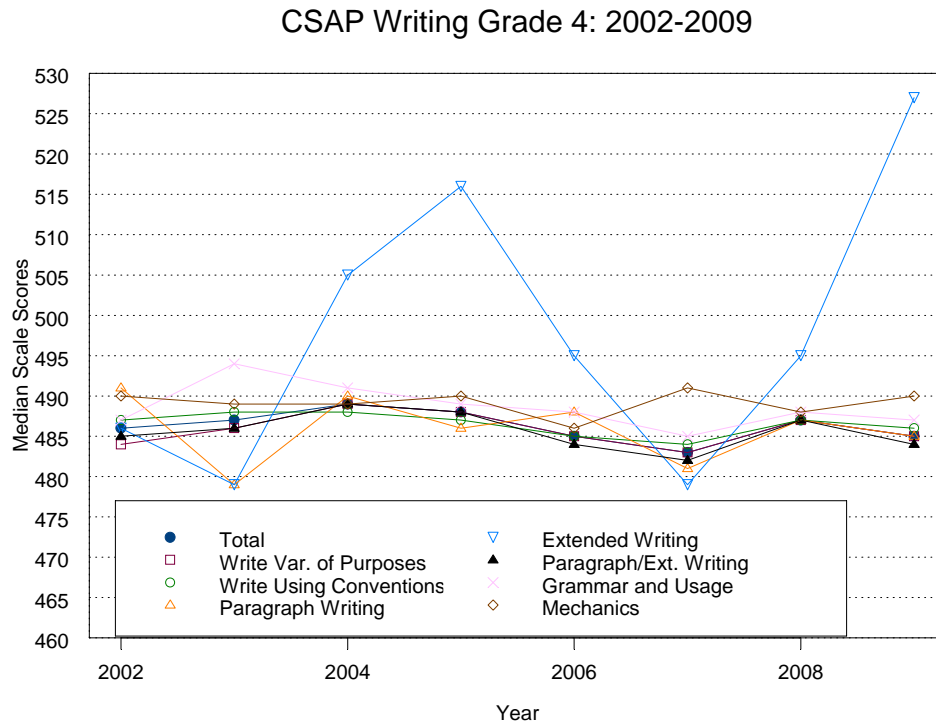
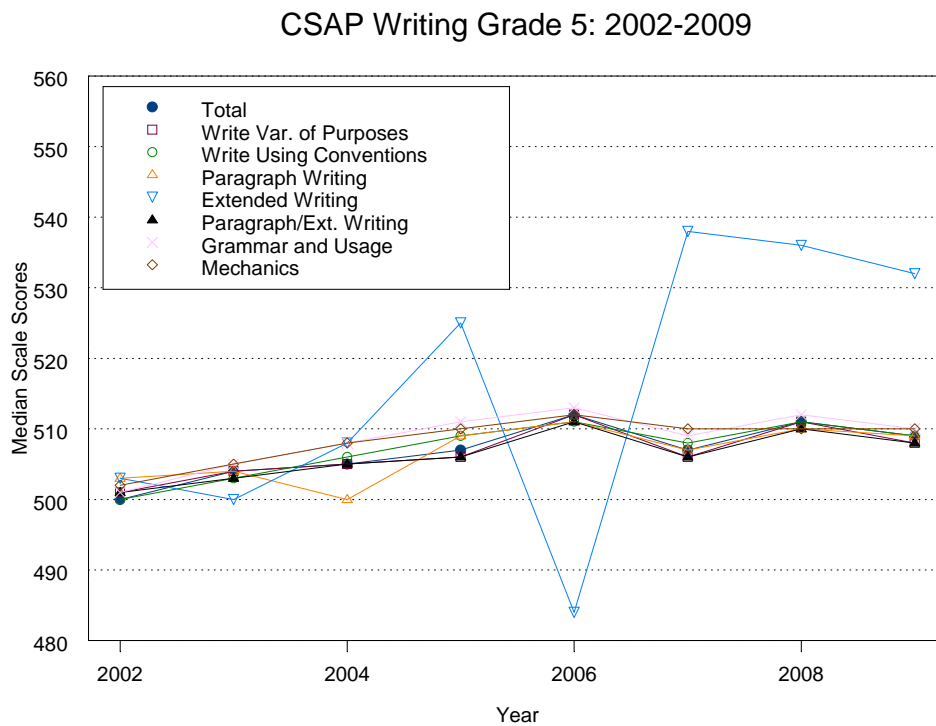
Figure 96. Median Scale Scores by Year for Writing Subcontent Areas: Grade 4**Figure 97. Median Scale Scores by Year for Writing Subcontent Areas: Grade 5**

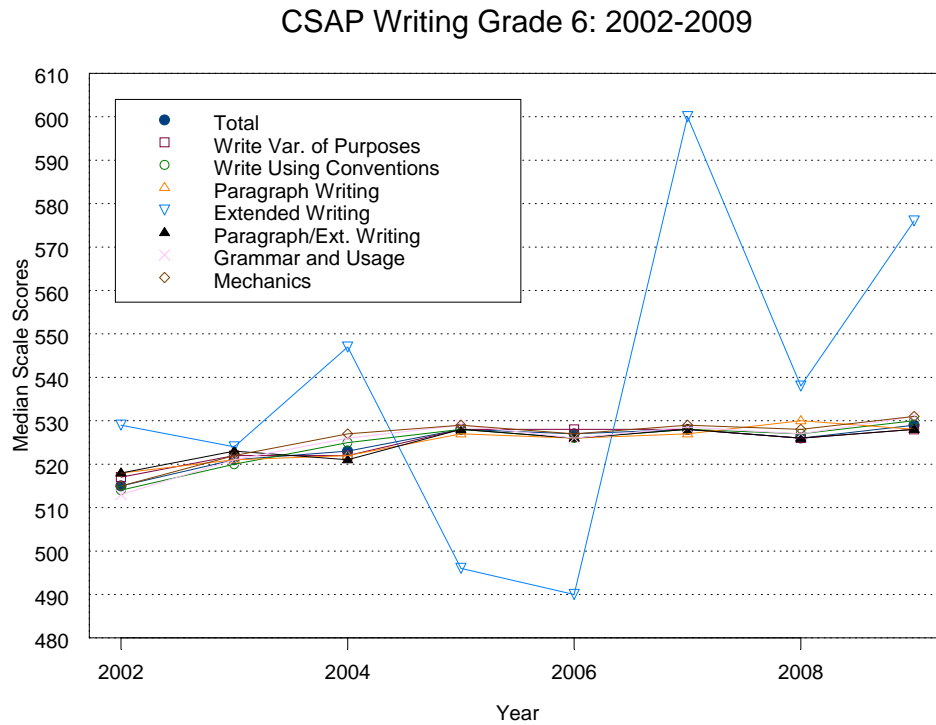
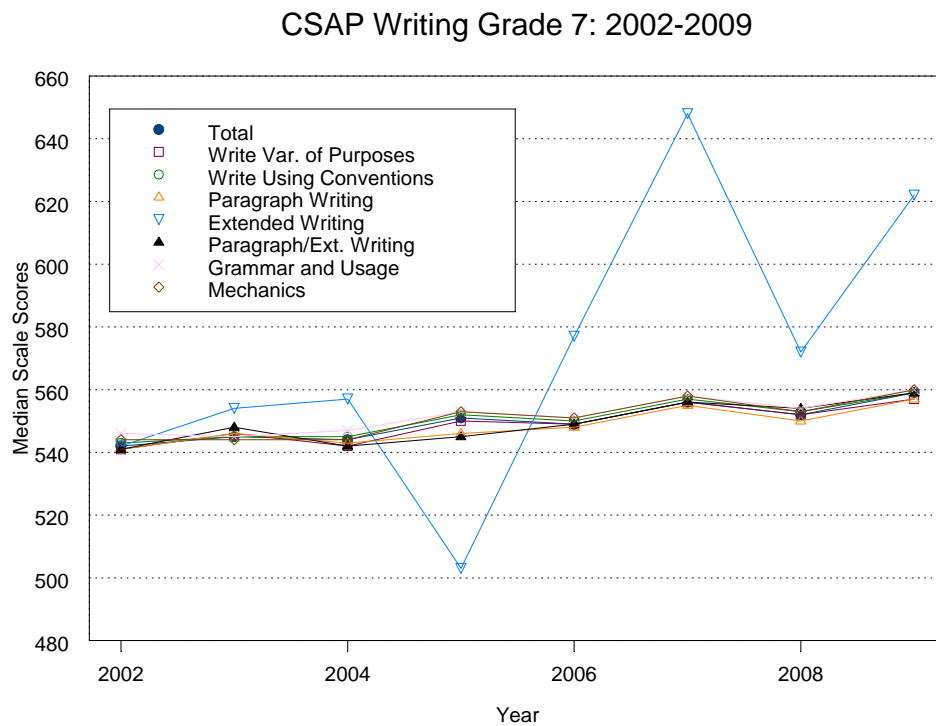
Figure 98. Median Scale Scores by Year for Writing Subcontent Areas: Grade 6**Figure 99. Median Scale Scores by Year for Writing Subcontent Areas: Grade 7**

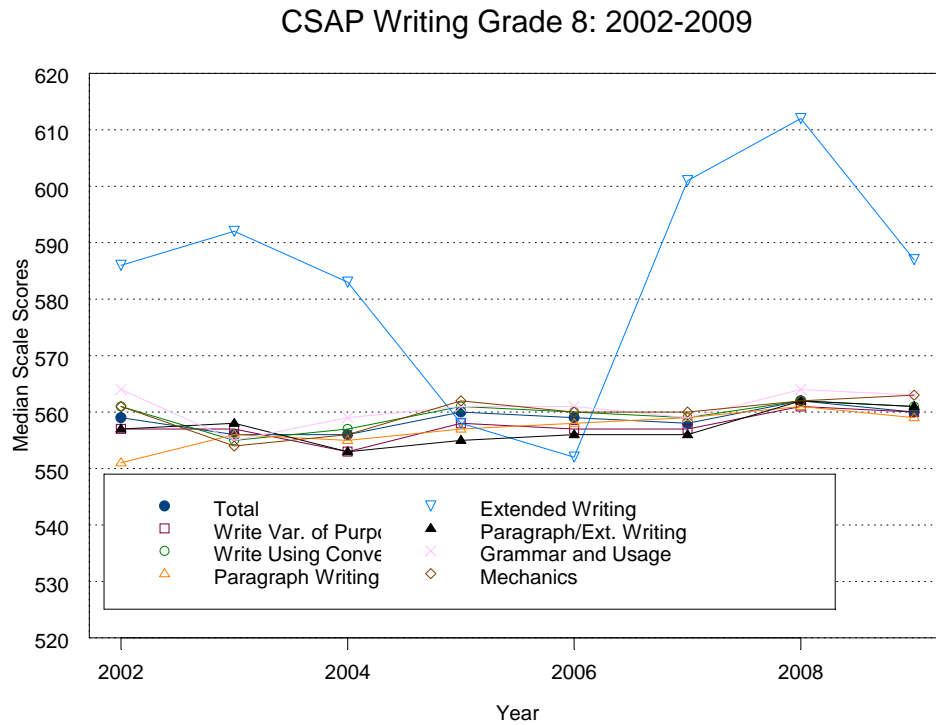
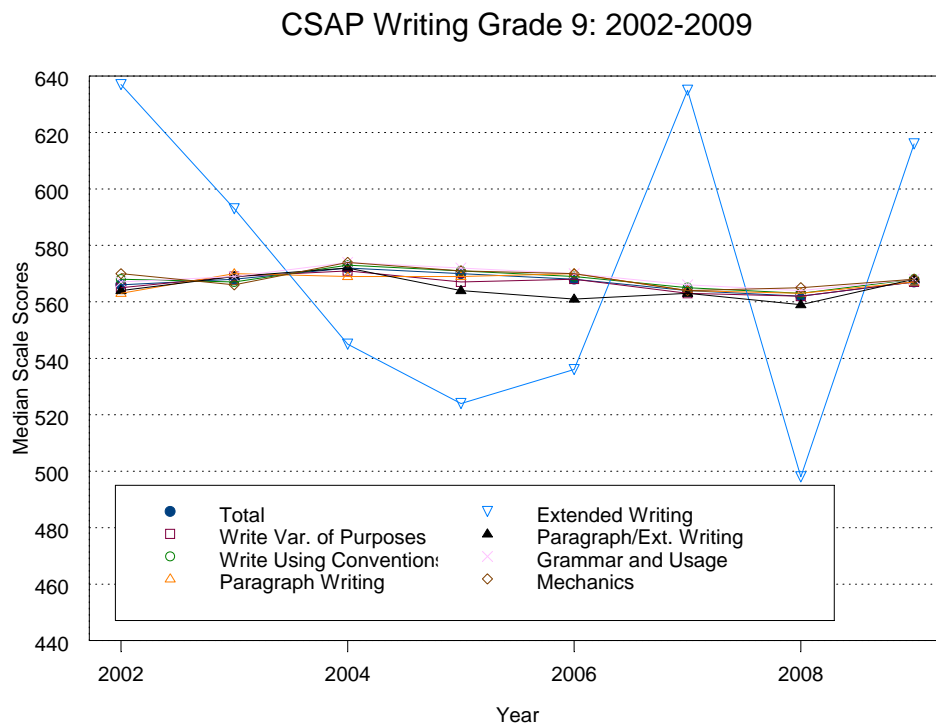
Figure 100. Median Scale Scores by Year for Writing Subcontent Areas: Grade 8**Figure 101. Median Scale Scores by Year for Writing Subcontent Areas: Grade 9**

Figure 102. Median Scale Scores by Year for Writing Subcontent Areas: Grade 10