



```

      name: <unnamed>
      log: /hdir/0/jhaber/Projects/charter_data/stats_team/logs/charter_setup_mi5_10
> 1019.smcl
      log type: smcl
      opened on: 10 Oct 2019, 15:15:18

```

```

1 .
2 . * Import data:
3 . import delimited data/charters_stats_2015_v2a_counts_inqnew.csv, clear
   (69 vars, 6,947 obs)

4 .
5 .
6 . ** -----
7 . ** CREATE LAGGED TEST SCORE VARIABLES: 2013-14
8 . ** -----
9 .
10. * Create variables to store accuracy level of scores data and all scores data:
11. gen readlevel13 = .
   (6,947 missing values generated)

12. gen mathlevel13 = .
   (6,947 missing values generated)

13. gen readall13 = .
   (6,947 missing values generated)

14. gen mathall13 = .
   (6,947 missing values generated)

15. gen readingscore = reading1314
   (1,896 missing values generated)

16. gen mathscore = math1314
   (2,157 missing values generated)

17.
18. * Fix >=99 value:
19. replace readingscore = "99" if readingscore == "GE99"
   (36 real changes made)

20. replace mathscore = "99" if mathscore == "GE99"
   (11 real changes made)

21.
22. * Create var for percentile scores:
23. gen readpct = real(readingscore)
   (5,186 missing values generated)

24. gen mathpct = real(mathscore)
   (5,327 missing values generated)

25. * Merge with readall13/mathall13:
26. replace readall13 = readpct if readpct != .
   (1,761 real changes made)

27. replace mathall13 = mathpct if mathpct != .
   (1,620 real changes made)

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28. * Record accuracy level of score:
29. replace readlevel13 = 1 if readpct != .
   (1,761 real changes made)

30. replace mathlevel13 = 1 if mathpct != .
   (1,620 real changes made)

31.
32. * Create var for quintile scores and record level, merge with readall13/mathall13:
33. gen read5 = .
   (6,947 missing values generated)

34. gen math5 = .
   (6,947 missing values generated)

35.
36. replace read5 = 2 if readingscore == "LE5"
   (8 real changes made)

37. replace read5 = 7 if readingscore == "6-9"
   (13 real changes made)

38. replace read5 = 12 if readingscore == "10-14"
   (38 real changes made)

39. replace read5 = 17 if readingscore == "15-19"
   (49 real changes made)

40. replace read5 = 22 if readingscore == "20-24"
   (55 real changes made)

41. replace read5 = 27 if readingscore == "25-29"
   (68 real changes made)

42. replace read5 = 32 if readingscore == "30-34"
   (89 real changes made)

43. replace read5 = 37 if readingscore == "35-39"
   (78 real changes made)

44. replace read5 = 42 if readingscore == "40-44"
   (108 real changes made)

45. replace read5 = 47 if readingscore == "45-49"
   (106 real changes made)

46. replace read5 = 52 if readingscore == "50-54"
   (132 real changes made)

47. replace read5 = 57 if readingscore == "55-59"
   (127 real changes made)

48. replace read5 = 62 if readingscore == "60-64"
   (136 real changes made)

49. replace read5 = 67 if readingscore == "65-69"
   (148 real changes made)

50. replace read5 = 72 if readingscore == "70-74"
   (144 real changes made)
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51. replace read5 = 77 if readingscore == "75-79"
    (153 real changes made)
52. replace read5 = 82 if readingscore == "80-84"
    (121 real changes made)
53. replace read5 = 87 if readingscore == "85-89"
    (137 real changes made)
54. replace read5 = 92 if readingscore == "90-94"
    (102 real changes made)
55. replace read5 = 97 if readingscore == "GE95"
    (82 real changes made)
56.
57. replace math5 = 2 if mathscore == "LE5"
    (40 real changes made)
58. replace math5 = 7 if mathscore == "6-9"
    (36 real changes made)
59. replace math5 = 12 if mathscore == "10-14"
    (49 real changes made)
60. replace math5 = 17 if mathscore == "15-19"
    (77 real changes made)
61. replace math5 = 22 if mathscore == "20-24"
    (66 real changes made)
62. replace math5 = 27 if mathscore == "25-29"
    (68 real changes made)
63. replace math5 = 32 if mathscore == "30-34"
    (82 real changes made)
64. replace math5 = 37 if mathscore == "35-39"
    (110 real changes made)
65. replace math5 = 42 if mathscore == "40-44"
    (107 real changes made)
66. replace math5 = 44 if mathscore == "45-49"
    (114 real changes made)
67. replace math5 = 52 if mathscore == "50-54"
    (140 real changes made)
68. replace math5 = 57 if mathscore == "55-59"
    (139 real changes made)
69. replace math5 = 62 if mathscore == "60-64"
    (131 real changes made)
70. replace math5 = 67 if mathscore == "65-69"
    (125 real changes made)
71. replace math5 = 72 if mathscore == "70-74"
    (116 real changes made)
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72. replace math5 = 77 if mathscore == "75-79"
    (103 real changes made)

73. replace math5 = 82 if mathscore == "80-84"
    (98 real changes made)

74. replace math5 = 87 if mathscore == "85-89"
    (80 real changes made)

75. replace math5 = 92 if mathscore == "90-94"
    (53 real changes made)

76. replace math5 = 97 if mathscore == "GE95"
    (46 real changes made)

77.
78. replace readall13 = read5 if read5 != .
    (1,894 real changes made)

79. replace mathall13 = math5 if math5 != .
    (1,780 real changes made)

80.
81. replace readlevel13 = 5 if read5 != .
    (1,894 real changes made)

82. replace mathlevel13 = 5 if math5 != .
    (1,780 real changes made)

83.
84. * Create var for decile scores and record level:
85. gen read10 = .
    (6,947 missing values generated)

86. gen math10 = .
    (6,947 missing values generated)

87.
88. replace read10 = 5 if readingscore == "LE10"
    (23 real changes made)

89. replace read10 = 15 if readingscore == "11-19"
    (40 real changes made)

90. replace read10 = 25 if readingscore == "20-29"
    (49 real changes made)

91. replace read10 = 35 if readingscore == "30-39"
    (55 real changes made)

92. replace read10 = 45 if readingscore == "40-49"
    (78 real changes made)

93. replace read10 = 55 if readingscore == "50-59"
    (84 real changes made)

94. replace read10 = 65 if readingscore == "60-69"
    (83 real changes made)

95. replace read10 = 75 if readingscore == "70-79"
    (88 real changes made)
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96. replace read10 = 85 if readingscore == "80-89"
   (54 real changes made)

97. replace read10 = 95 if readingscore == "GE90"
   (53 real changes made)

98.
99. replace math10 = 5 if mathscore == "LE10"
   (68 real changes made)

100 replace math10 = 15 if mathscore == "11-19"
    (53 real changes made)

101 replace math10 = 25 if mathscore == "20-29"
    (69 real changes made)

102 replace math10 = 35 if mathscore == "30-39"
    (68 real changes made)

103 replace math10 = 45 if mathscore == "40-49"
    (74 real changes made)

104 replace math10 = 55 if mathscore == "50-59"
    (76 real changes made)

105 replace math10 = 65 if mathscore == "60-69"
    (59 real changes made)

106 replace math10 = 75 if mathscore == "70-79"
    (53 real changes made)

107 replace math10 = 85 if mathscore == "80-89"
    (48 real changes made)

108 replace math10 = 95 if mathscore == "GE90"
    (28 real changes made)

109
110 replace readall13 = read10 if read10 != .
    (607 real changes made)

111 replace mathall13 = math10 if math10 != .
    (596 real changes made)

112
113 replace readlevel13 = 10 if read10 != .
    (607 real changes made)

114 replace mathlevel13 = 10 if math10 != .
    (596 real changes made)

115
116 * Create var for ventile scores and record level:
117 gen read20 = .
    (6,947 missing values generated)

118 gen math20 = .
    (6,947 missing values generated)

119 replace read20 = 10 if readingscore == "LE20"
    (53 real changes made)

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120 replace read20 = 30 if readingscore == "21-39"
    (60 real changes made)
121 replace read20 = 50 if readingscore == "40-59"
    (98 real changes made)
122 replace read20 = 70 if readingscore == "60-79"
    (91 real changes made)
123 replace read20 = 90 if readingscore == "GE80"
    (75 real changes made)
124
125 replace math20 = 10 if mathscore == "LE20"
    (89 real changes made)
126 replace math20 = 30 if mathscore == "21-39"
    (86 real changes made)
127 replace math20 = 50 if mathscore == "40-59"
    (102 real changes made)
128 replace math20 = 70 if mathscore == "60-79"
    (72 real changes made)
129 replace math20 = 90 if mathscore == "GE80"
    (31 real changes made)
130
131 replace readall13 = read20 if read20 != .
    (377 real changes made)
132 replace mathall13 = math20 if math20 != .
    (380 real changes made)
133
134 replace readlevel13 = 20 if read20 != .
    (377 real changes made)
135 replace mathlevel13 = 20 if math20 != .
    (380 real changes made)
136
137 * Create var for median scores and record level:
138 gen read50 = .
    (6,947 missing values generated)
139 gen math50 = .
    (6,947 missing values generated)
140
141 replace read50 = 25 if readingscore == "LT50"
    (97 real changes made)
142 replace read50 = 75 if readingscore == "GE50"
    (132 real changes made)
143
144 replace math50 = 25 if mathscore == "LT50"
    (154 real changes made)
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145 replace math50 = 75 if mathscore == "GE50"
    (77 real changes made)

146
147 replace readall13 = read50 if read50 != .
    (229 real changes made)

148 replace mathall13 = math50 if math50 != .
    (231 real changes made)

149
150 replace readlevel13 = 50 if read50 != .
    (229 real changes made)

151 replace mathlevel13 = 50 if math50 != .
    (231 real changes made)

152
153 drop readingscore mathscore readpct mathpct read5 math5 read10 math10 read20 math20
    > read50 math50

154
155
156 ** -----
157 ** CREATE LAGGED TEST SCORE VARIABLES: 2014-15
158 ** -----
159
160 * Create variables to store accuracy level of scores data and all scores data:
161 gen readlevel14 = .
    (6,947 missing values generated)

162 gen mathlevel14 = .
    (6,947 missing values generated)

163 gen readall14 = .
    (6,947 missing values generated)

164 gen mathall14 = .
    (6,947 missing values generated)

165 gen readingscore = reading1415
    (941 missing values generated)

166 gen mathscore = math1415
    (937 missing values generated)

167
168 * Fix >=99 value:
169 replace readingscore = "99" if readingscore == "GE99"
    (5 real changes made)

170 replace mathscore = "99" if mathscore == "GE99"
    (2 real changes made)

171
172 * Create var for percentile scores:
173 gen readpct = real(readingscore)
    (4,537 missing values generated)

174 gen mathpct = real(mathscore)
    (4,612 missing values generated)

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175 * Merge with readall14/mathall14:
176 replace readall14 = readpct if readpct != .
    (2,410 real changes made)

177 replace mathall14 = mathpct if mathpct != .
    (2,335 real changes made)

178 * Record accuracy level of score:
179 replace readlevel14 = 1 if readpct != .
    (2,410 real changes made)

180 replace mathlevel14 = 1 if mathpct != .
    (2,335 real changes made)

181
182 * Create var for quintile scores and record level, merge with readall14/mathall14:
183 gen read5 = .
    (6,947 missing values generated)

184 gen math5 = .
    (6,947 missing values generated)

185
186 replace read5 = 2 if readingscore == "LE5"
    (38 real changes made)

187 replace read5 = 7 if readingscore == "6-9"
    (57 real changes made)

188 replace read5 = 12 if readingscore == "10-14"
    (90 real changes made)

189 replace read5 = 17 if readingscore == "15-19"
    (128 real changes made)

190 replace read5 = 22 if readingscore == "20-24"
    (153 real changes made)

191 replace read5 = 27 if readingscore == "25-29"
    (153 real changes made)

192 replace read5 = 32 if readingscore == "30-34"
    (159 real changes made)

193 replace read5 = 37 if readingscore == "35-39"
    (157 real changes made)

194 replace read5 = 42 if readingscore == "40-44"
    (154 real changes made)

195 replace read5 = 47 if readingscore == "45-49"
    (149 real changes made)

196 replace read5 = 52 if readingscore == "50-54"
    (177 real changes made)

197 replace read5 = 57 if readingscore == "55-59"
    (158 real changes made)

198 replace read5 = 62 if readingscore == "60-64"
    (162 real changes made)
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```
199 replace read5 = 67 if readingscore == "65-69"
    (162 real changes made)
200 replace read5 = 72 if readingscore == "70-74"
    (88 real changes made)
201 replace read5 = 77 if readingscore == "75-79"
    (97 real changes made)
202 replace read5 = 82 if readingscore == "80-84"
    (81 real changes made)
203 replace read5 = 87 if readingscore == "85-89"
    (55 real changes made)
204 replace read5 = 92 if readingscore == "90-94"
    (33 real changes made)
205 replace read5 = 97 if readingscore == "GE95"
    (33 real changes made)
206
207 replace math5 = 2 if mathscore == "LE5"
    (134 real changes made)
208 replace math5 = 7 if mathscore == "6-9"
    (112 real changes made)
209 replace math5 = 12 if mathscore == "10-14"
    (154 real changes made)
210 replace math5 = 17 if mathscore == "15-19"
    (157 real changes made)
211 replace math5 = 22 if mathscore == "20-24"
    (191 real changes made)
212 replace math5 = 27 if mathscore == "25-29"
    (198 real changes made)
213 replace math5 = 32 if mathscore == "30-34"
    (166 real changes made)
214 replace math5 = 37 if mathscore == "35-39"
    (166 real changes made)
215 replace math5 = 42 if mathscore == "40-44"
    (156 real changes made)
216 replace math5 = 44 if mathscore == "45-49"
    (136 real changes made)
217 replace math5 = 52 if mathscore == "50-54"
    (113 real changes made)
218 replace math5 = 57 if mathscore == "55-59"
    (127 real changes made)
219 replace math5 = 62 if mathscore == "60-64"
    (99 real changes made)
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```
220 replace math5 = 67 if mathscore == "65-69"
    (93 real changes made)

221 replace math5 = 72 if mathscore == "70-74"
    (66 real changes made)

222 replace math5 = 77 if mathscore == "75-79"
    (60 real changes made)

223 replace math5 = 82 if mathscore == "80-84"
    (44 real changes made)

224 replace math5 = 87 if mathscore == "85-89"
    (24 real changes made)

225 replace math5 = 92 if mathscore == "90-94"
    (26 real changes made)

226 replace math5 = 97 if mathscore == "GE95"
    (38 real changes made)

227
228 replace readall14 = read5 if read5 != .
    (2,284 real changes made)

229 replace mathall14 = math5 if math5 != .
    (2,260 real changes made)

230
231 replace readlevel14 = 5 if read5 != .
    (2,284 real changes made)

232 replace mathlevel14 = 5 if math5 != .
    (2,260 real changes made)

233
234 * Create var for decile scores and record level:
235 gen read10 = .
    (6,947 missing values generated)

236 gen math10 = .
    (6,947 missing values generated)

237
238 replace read10 = 5 if readingscore == "LE10"
    (62 real changes made)

239 replace read10 = 15 if readingscore == "11-19"
    (48 real changes made)

240 replace read10 = 25 if readingscore == "20-29"
    (71 real changes made)

241 replace read10 = 35 if readingscore == "30-39"
    (93 real changes made)

242 replace read10 = 45 if readingscore == "40-49"
    (102 real changes made)

243 replace read10 = 55 if readingscore == "50-59"
    (86 real changes made)
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```
244 replace read10 = 65 if readingscore == "60-69"
    (72 real changes made)
245 replace read10 = 75 if readingscore == "70-79"
    (62 real changes made)
246 replace read10 = 85 if readingscore == "80-89"
    (41 real changes made)
247 replace read10 = 95 if readingscore == "GE90"
    (32 real changes made)
248
249 replace math10 = 5 if mathscore == "LE10"
    (127 real changes made)
250 replace math10 = 15 if mathscore == "11-19"
    (91 real changes made)
251 replace math10 = 25 if mathscore == "20-29"
    (110 real changes made)
252 replace math10 = 35 if mathscore == "30-39"
    (88 real changes made)
253 replace math10 = 45 if mathscore == "40-49"
    (75 real changes made)
254 replace math10 = 55 if mathscore == "50-59"
    (53 real changes made)
255 replace math10 = 65 if mathscore == "60-69"
    (50 real changes made)
256 replace math10 = 75 if mathscore == "70-79"
    (33 real changes made)
257 replace math10 = 85 if mathscore == "80-89"
    (30 real changes made)
258 replace math10 = 95 if mathscore == "GE90"
    (35 real changes made)
259
260 replace readall14 = read10 if read10 != .
    (669 real changes made)
261 replace mathall14 = math10 if math10 != .
    (692 real changes made)
262
263 replace readlevel14 = 10 if read10 != .
    (669 real changes made)
264 replace mathlevel14 = 10 if math10 != .
    (692 real changes made)
265
266 * Create var for ventile scores and record level:
267 gen read20 = .
    (6,947 missing values generated)
```

```
268 gen math20 = .
    (6,947 missing values generated)

269 replace read20 = 10 if readingscore == "LE20"
    (90 real changes made)

270 replace read20 = 30 if readingscore == "21-39"
    (76 real changes made)

271 replace read20 = 50 if readingscore == "40-59"
    (83 real changes made)

272 replace read20 = 70 if readingscore == "60-79"
    (64 real changes made)

273 replace read20 = 90 if readingscore == "GE80"
    (36 real changes made)

274
275 replace math20 = 10 if mathscore == "LE20"
    (169 real changes made)

276 replace math20 = 30 if mathscore == "21-39"
    (79 real changes made)

277 replace math20 = 50 if mathscore == "40-59"
    (77 real changes made)

278 replace math20 = 70 if mathscore == "60-79"
    (32 real changes made)

279 replace math20 = 90 if mathscore == "GE80"
    (30 real changes made)

280
281 replace readall14 = read20 if read20 != .
    (349 real changes made)

282 replace mathall14 = math20 if math20 != .
    (387 real changes made)

283
284 replace readlevel14 = 20 if read20 != .
    (349 real changes made)

285 replace mathlevel14 = 20 if math20 != .
    (387 real changes made)

286
287 * Create var for median scores and record level:
288 gen read50 = .
    (6,947 missing values generated)

289 gen math50 = .
    (6,947 missing values generated)

290
291 replace read50 = 25 if readingscore == "LT50"
    (136 real changes made)
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292 replace read50 = 75 if readingscore == "GE50"
    (79 real changes made)

293
294 replace math50 = 25 if mathscore == "LT50"
    (179 real changes made)

295 replace math50 = 75 if mathscore == "GE50"
    (57 real changes made)

296
297 replace readall14 = read50 if read50 != .
    (215 real changes made)

298 replace mathall14 = math50 if math50 != .
    (236 real changes made)

299
300 replace readlevel14 = 50 if read50 != .
    (215 real changes made)

301 replace mathlevel14 = 50 if math50 != .
    (236 real changes made)

302
303 drop readingscore mathscore readpct mathpct read5 math5 read10 math10 read20 math20
    > read50 math50

304
305
306 ** -----
307 ** RECODE TEST SCORE VARIABLES: 2015-16
308 ** -----
309
310 * Create variables to store accuracy level of scores data and all scores data:
311 gen readlevel15 = .
    (6,947 missing values generated)

312 gen mathlevel15 = .
    (6,947 missing values generated)

313 gen readall15 = .
    (6,947 missing values generated)

314 gen mathall15 = .
    (6,947 missing values generated)

315 gen readingscore = reading1516
    (649 missing values generated)

316 gen mathscore = math1516
    (651 missing values generated)

317
318 * Fix >=99 value:
319 replace readingscore = "99" if readingscore == "GE99"
    (8 real changes made)

320 replace mathscore = "99" if mathscore == "GE99"
    (4 real changes made)

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```
321
322 * Create var for percentile scores:
323 gen readpct = real(readingscore)
      (4,349 missing values generated)

324 gen mathpct = real(mathscore)
      (4,414 missing values generated)

325 * Merge with readall15/mathall15:
326 replace readall15 = readpct if readpct != .
      (2,598 real changes made)

327 replace mathall15 = mathpct if mathpct != .
      (2,533 real changes made)

328 * Record accuracy level of score:
329 replace readlevel15 = 1 if readpct != .
      (2,598 real changes made)

330 replace mathlevel15 = 1 if mathpct != .
      (2,533 real changes made)

331
332 * Create var for quintile scores and record level, merge with readall15/mathall15:
333 gen read5 = .
      (6,947 missing values generated)

334 gen math5 = .
      (6,947 missing values generated)

335
336 replace read5 = 2 if readingscore == "LE5"
      (49 real changes made)

337 replace read5 = 7 if readingscore == "6-9"
      (48 real changes made)

338 replace read5 = 12 if readingscore == "10-14"
      (102 real changes made)

339 replace read5 = 17 if readingscore == "15-19"
      (121 real changes made)

340 replace read5 = 22 if readingscore == "20-24"
      (151 real changes made)

341 replace read5 = 27 if readingscore == "25-29"
      (168 real changes made)

342 replace read5 = 32 if readingscore == "30-34"
      (170 real changes made)

343 replace read5 = 37 if readingscore == "35-39"
      (162 real changes made)

344 replace read5 = 42 if readingscore == "40-44"
      (158 real changes made)

345 replace read5 = 47 if readingscore == "45-49"
      (144 real changes made)
```

```
346 replace read5 = 52 if readingscore == "50-54"
    (162 real changes made)
347 replace read5 = 57 if readingscore == "55-59"
    (167 real changes made)
348 replace read5 = 62 if readingscore == "60-64"
    (144 real changes made)
349 replace read5 = 67 if readingscore == "65-69"
    (130 real changes made)
350 replace read5 = 72 if readingscore == "70-74"
    (108 real changes made)
351 replace read5 = 77 if readingscore == "75-79"
    (114 real changes made)
352 replace read5 = 82 if readingscore == "80-84"
    (71 real changes made)
353 replace read5 = 87 if readingscore == "85-89"
    (59 real changes made)
354 replace read5 = 92 if readingscore == "90-94"
    (50 real changes made)
355 replace read5 = 97 if readingscore == "GE95"
    (30 real changes made)
356
357 replace math5 = 2 if mathscore == "LE5"
    (146 real changes made)
358 replace math5 = 7 if mathscore == "6-9"
    (108 real changes made)
359 replace math5 = 12 if mathscore == "10-14"
    (156 real changes made)
360 replace math5 = 17 if mathscore == "15-19"
    (166 real changes made)
361 replace math5 = 22 if mathscore == "20-24"
    (192 real changes made)
362 replace math5 = 27 if mathscore == "25-29"
    (184 real changes made)
363 replace math5 = 32 if mathscore == "30-34"
    (157 real changes made)
364 replace math5 = 37 if mathscore == "35-39"
    (135 real changes made)
365 replace math5 = 42 if mathscore == "40-44"
    (161 real changes made)
366 replace math5 = 44 if mathscore == "45-49"
    (171 real changes made)
```

```
367 replace math5 = 52 if mathscore == "50-54"
    (119 real changes made)
368 replace math5 = 57 if mathscore == "55-59"
    (119 real changes made)
369 replace math5 = 62 if mathscore == "60-64"
    (83 real changes made)
370 replace math5 = 67 if mathscore == "65-69"
    (84 real changes made)
371 replace math5 = 72 if mathscore == "70-74"
    (83 real changes made)
372 replace math5 = 77 if mathscore == "75-79"
    (57 real changes made)
373 replace math5 = 82 if mathscore == "80-84"
    (56 real changes made)
374 replace math5 = 87 if mathscore == "85-89"
    (39 real changes made)
375 replace math5 = 92 if mathscore == "90-94"
    (34 real changes made)
376 replace math5 = 97 if mathscore == "GE95"
    (29 real changes made)
377
378 replace readall15 = read5 if read5 != .
    (2,308 real changes made)
379 replace mathall15 = math5 if math5 != .
    (2,279 real changes made)
380
381 replace readlevel15 = 5 if read5 != .
    (2,308 real changes made)
382 replace mathlevel15 = 5 if math5 != .
    (2,279 real changes made)
383
384 * Create var for decile scores and record level:
385 gen read10 = .
    (6,947 missing values generated)
386 gen math10 = .
    (6,947 missing values generated)
387
388 replace read10 = 5 if readingscore == "LE10"
    (73 real changes made)
389 replace read10 = 15 if readingscore == "11-19"
    (74 real changes made)
390 replace read10 = 25 if readingscore == "20-29"
    (105 real changes made)
```



```
391 replace read10 = 35 if readingscore == "30-39"
    (69 real changes made)
392 replace read10 = 45 if readingscore == "40-49"
    (89 real changes made)
393 replace read10 = 55 if readingscore == "50-59"
    (77 real changes made)
394 replace read10 = 65 if readingscore == "60-69"
    (46 real changes made)
395 replace read10 = 75 if readingscore == "70-79"
    (43 real changes made)
396 replace read10 = 85 if readingscore == "80-89"
    (38 real changes made)
397 replace read10 = 95 if readingscore == "GE90"
    (33 real changes made)
398
399 replace math10 = 5 if mathscore == "LE10"
    (169 real changes made)
400 replace math10 = 15 if mathscore == "11-19"
    (90 real changes made)
401 replace math10 = 25 if mathscore == "20-29"
    (92 real changes made)
402 replace math10 = 35 if mathscore == "30-39"
    (77 real changes made)
403 replace math10 = 45 if mathscore == "40-49"
    (62 real changes made)
404 replace math10 = 55 if mathscore == "50-59"
    (53 real changes made)
405 replace math10 = 65 if mathscore == "60-69"
    (31 real changes made)
406 replace math10 = 75 if mathscore == "70-79"
    (32 real changes made)
407 replace math10 = 85 if mathscore == "80-89"
    (21 real changes made)
408 replace math10 = 95 if mathscore == "GE90"
    (41 real changes made)
409
410 replace readall15 = read10 if read10 != .
    (647 real changes made)
411 replace mathall15 = math10 if math10 != .
    (668 real changes made)
412
```

```
413 replace readlevel15 = 10 if read10 != .
    (647 real changes made)

414 replace mathlevel15 = 10 if math10 != .
    (668 real changes made)

415
416 * Create var for ventile scores and record level:
417 gen read20 = .
    (6,947 missing values generated)

418 gen math20 = .
    (6,947 missing values generated)

419 replace read20 = 10 if readingscore == "LE20"
    (152 real changes made)

420 replace read20 = 30 if readingscore == "21-39"
    (94 real changes made)

421 replace read20 = 50 if readingscore == "40-59"
    (69 real changes made)

422 replace read20 = 70 if readingscore == "60-79"
    (39 real changes made)

423 replace read20 = 90 if readingscore == "GE80"
    (24 real changes made)

424
425 replace math20 = 10 if mathscore == "LE20"
    (227 real changes made)

426 replace math20 = 30 if mathscore == "21-39"
    (79 real changes made)

427 replace math20 = 50 if mathscore == "40-59"
    (42 real changes made)

428 replace math20 = 70 if mathscore == "60-79"
    (36 real changes made)

429 replace math20 = 90 if mathscore == "GE80"
    (19 real changes made)

430
431 replace readall15 = read20 if read20 != .
    (378 real changes made)

432 replace mathall15 = math20 if math20 != .
    (403 real changes made)

433
434 replace readlevel15 = 20 if read20 != .
    (378 real changes made)

435 replace mathlevel15 = 20 if math20 != .
    (403 real changes made)

436
```

```

437 * Create var for median scores and record level:
438 gen read50 = .
    (6,947 missing values generated)

439 gen math50 = .
    (6,947 missing values generated)

440
441 replace read50 = 25 if readingscore == "LT50"
    (177 real changes made)

442 replace read50 = 75 if readingscore == "GE50"
    (54 real changes made)

443
444 replace math50 = 25 if mathscore == "LT50"
    (217 real changes made)

445 replace math50 = 75 if mathscore == "GE50"
    (47 real changes made)

446
447 replace readall15 = read50 if read50 != .
    (231 real changes made)

448 replace mathall15 = math50 if math50 != .
    (264 real changes made)

449
450 replace readlevel15 = 50 if read50 != .
    (231 real changes made)

451 replace mathlevel15 = 50 if math50 != .
    (264 real changes made)

452
453
454 ** -----
455 ** CREATE AND MODIFY VARIABLES
456 ** -----
457
458 * Use "None" to cluster missing CMOs:
459 replace cmoname = "None" if missing(cmoname)
    (4,582 real changes made)

460
461 * Drop if missing level variables or inquiry/discipline variables:
462 drop if missing(primary) | missing(middle) | missing(high) | missing(otherlevel)
    (19 observations deleted)

463 drop if missing(inquiry_full_log) | missing(numwords) | numwords < 10
    (1,119 observations deleted)

464 drop if missing(pocschoolcount)
    (7 observations deleted)

465
466 * Replace with missing any remaining odd codes:
467 replace pocschoolcount = . if pocschoolcount== -12 | pocschoolcount== -54
    (6 real changes made, 6 to missing)

```

```

468
469 * Drop vars we don't impute directly
470 drop povertyschoolcount

471
472 * Convert number PDF pages to percentage:
473 gen pctpdfs = numpdfs/numpages

474
475 * Convert CMO and state variables into numeric with labels:
476 encode cmoname, gen(cmonum)

477 encode state, gen(statenum)

478
479 * Revised teacher count to later create student/teacher ratio:
480 gen teachers = teachersccd if teachersccd != .
    (1,696 missing values generated)

481 replace teachers = teacherscrdc if teachersccd == . & teacherscrdc != .
    (1,541 real changes made)

482
483 * Create log-scaled vars to account for time-shifted effects:
484 gen lnage = ln(age)

485 gen lnstudents = ln(students)
    (18 missing values generated)

486 gen lnteachers = ln(teachers)
    (204 missing values generated)

487
488 * Make original zeros hard-missing (.z), this way they won't be imputed and can be r
    > estored later:
489 replace lnage = .z if lnage==. & age!=.
    (0 real changes made)

490 replace lnstudents = .z if lnstudents==. & students!=.
    (11 real changes made, 11 to missing)

491 replace lnteachers = .z if lnteachers==. & teachers!=.
    (49 real changes made, 49 to missing)

492
493 drop if missing(pocschoolcount)
    (6 observations deleted)

494
495
496 ** -----
497 ** PERFORM MULTIPLE IMPUTATION
498 ** -----
499
500 * Look at variables missing cases:
501 *mvpatterns inquiry_seed_log inquiry_narrow_log inquiry_full_log inquiry_full_nohand
    > s_log povertyschool pocschool povertysd pocsd primary middle high otherlevel age stu
    > dents urban cmo titlei readall13 readall14 readall15 mathall13 mathall14 mathall15 e
    > xpulsions suspensions incidents lawreferrals lepratio disabledratio approgram teache
    > rs teacherratio certcount certrate

```

```

502
503 /* List of vars to impute, both those used in models and those that help with multip
> le imputation:
> * School students and controls:
> povertyschoolcount pocschoolcount lepcount disabledcount students primary middle hig
> h otherlevel age urban titlei cmo
> * School quality/discipline:
> readall13 readall14 readall15 mathall13 mathall14 mathall15 teachers certcount suspe
> nsions expulsions incidents lawreferrals
> * School district level (add publicdensity charterdensity ??)
> povertysd pocsd childpovertysd collegesd popdensity unemployment foreignborn closera
> te publicdensity
> */
504
505 * Declare MI data using memory-efficient style best-suited to modifying variables (r
> ather than cases):
506 mi set mlong

507
508 * Register as imputed those variables missing any cases:
509 mi register imputed lnage lnstudents lnteachers readall13 readall14 readall15 mathal
> l13 mathall14 mathall15 povertyschool povertysd pocsd readlevel13 readlevel14 readle
> vel15 mathlevel13 mathlevel14 mathlevel15
(2608 m=0 obs. now marked as incomplete)

510
511 * Register as regular those vars with complete observations (may be used to help in
> imputation equations):
512 mi register regular closerate publicdensity charterdensity urban titlei ///
> cmo cmonum state statenum geodistrict numwords numpages numpdfs ///
> inquiry_seed_count inquiry_seed_prop inquiry_seed_log inquiry_narrow_count inquiry_n
> arrow_prop inquiry_narrow_log ///
> inquiry_full_count inquiry_full_prop inquiry_full_log inquiry_full_nohands_count inq
> uiry_full_nohands_prop inquiry_full_nohands_log ///
> traditional_prop progressive_prop ///
> pocschool pocschoolcount ///
> ethnicisolated99 ethnicisolated95 ethnicisolated90 ethnicisolated80 ethnicisolated70

513
514 mi register passive pctpdfs

515
516 * For reproducibility, set random seed:
517 set seed 43

518 * Increase maximum variable limit:
519 set matsize 5000

520
521 * Execute multiple implementation:
522 mi impute chained ///
> ///
> (pmm, knn(5) omit(i.readlevel13 i.readlevel14 i.readlevel15 i.mathlevel13 i.mathleve
> l14 i.mathlevel15 lnstudents lnteachers readall13 readall14 readall15 mathall13 math
> all14 mathall15)) ///
> povertyschool ///
> ///
> (pmm, knn(5) omit(lnstudents i.readlevel13 i.readlevel14 i.readlevel15 i.mathlevel13
> i.mathlevel14 i.mathlevel15 mathall13 mathall14 mathall15)) ///
> povertysd ///
> ///
> (pmm, knn(5) omit(i.readlevel13 i.readlevel14 i.readlevel15 i.mathlevel13 i.mathleve
> l14 i.mathlevel15 lnstudents readall13 readall14 readall15 mathall13 mathall14 matha
> l15 lnteachers)) ///
> pocsd ///
> ///
> (pmm, knn(5)) lnage ///
> ///
> (pmm, knn(5) omit(lnstudents lnteachers)) ///
> readall13 ///
> ///
> (pmm, knn(5) omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 lnt

```

```

> eachers)) ///
> mathall13 ///
> ///
> (pmm, knn(5) omit(lnstudents lnteachers)) ///
> readall14 ///
> ///
> (pmm, knn(5) omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 lnt
> eachers)) ///
> mathall14 ///
> ///
> (pmm, knn(5) omit(lnstudents lnteachers)) ///
> readall15 ///
> ///
> (pmm, knn(5) omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 lnt
> eachers)) ///
> mathall15 ///
> ///
> (pmm, knn(5) omit(lnage povertysd pocsd readall13 readall14 readall15 mathall13 math
> all14 mathall15 lnteachers i.readlevel13 i.readlevel14 i.readlevel15 i.mathlevel13 i
> .mathlevel14 i.mathlevel15)) ///
> lnstudents ///
> ///
> (pmm, knn(5) omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15)) /
> //
> lnteachers ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> readlevel13 ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> mathlevel13 ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> readlevel14 ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> mathlevel14 ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> readlevel15 ///
> ///
> (ologit, omit(lnage povertysd pocsd lnstudents readall13 readall14 readall15 mathall
> 13 mathall14 mathall15 lnteachers)) ///
> mathlevel15 ///
> ///
> ///
> = numpdfs numwords numpages pocschoolcount ///
> inquiry_full_prop traditional_prop progressive_prop ///
> closerate publicdensity charterdensity ///
> i.urban statenum cmonum geodistrict, ///
> add(5) rseed(43) dots augment
note: variable lnage contains no soft missing (.) values; imputing nothing

```

Conditional models:

```

lnstudents: pmm lnstudents povertyschool numpdfs numwords numpages
               pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , knn(5)
povertysd: pmm povertysd lnage pocsd lnteachers povertyschool readall15
               readall14 readall13 numpdfs numwords numpages pocschoolcount
               inquiry_full_prop traditional_prop progressive_prop closerate
               publicdensity charterdensity i.urban statenum cmonum
               geodistrict , knn(5)
pocsd: pmm pocsd lnage povertysd povertyschool numpdfs numwords
           numpages pocschoolcount inquiry_full_prop traditional_prop
           progressive_prop closerate publicdensity charterdensity i.urban
           statenum cmonum geodistrict , knn(5)

```

```

Inteachers: pmm Inteachers povertyschool i.readlevel15 mathall15
               i.mathlevel15 i.readlevel14 mathall14 i.mathlevel14
               i.readlevel13 mathall13 i.mathlevel13 numpdfs numwords numpages
               pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , knn(5)
povertyschool: pmm povertyschool lnage povertysd pocsd numpdfs numwords
                  numpages pocschoolcount inquiry_full_prop traditional_prop
                  progressive_prop closerate publicdensity charterdensity i.urban
                  statenum cmonum geodistrict , knn(5)
readall15: pmm readall15 lnage povertysd pocsd povertyschool i.readlevel15
               mathall15 i.mathlevel15 readall14 i.readlevel14 mathall14
               i.mathlevel14 readall13 i.readlevel13 mathall13 i.mathlevel13
               numpdfs numwords numpages pocschoolcount inquiry_full_prop
               traditional_prop progressive_prop closerate publicdensity
               charterdensity i.urban statenum cmonum geodistrict , knn(5)
readlevel15: ologit readlevel15 povertyschool i.mathlevel15 i.readlevel14
               i.mathlevel14 i.readlevel13 i.mathlevel13 numpdfs numwords
               numpages pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , augment
mathall15: pmm mathall15 povertyschool i.readlevel15 i.mathlevel15
               i.readlevel14 mathall14 i.mathlevel14 i.readlevel13 mathall13
               i.mathlevel13 numpdfs numwords numpages pocschoolcount
               inquiry_full_prop traditional_prop progressive_prop closerate
               publicdensity charterdensity i.urban statenum cmonum
               geodistrict , knn(5)
mathlevel15: ologit mathlevel15 povertyschool i.readlevel15 i.readlevel14
               i.mathlevel14 i.readlevel13 i.mathlevel13 numpdfs numwords
               numpages pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , augment
readall14: pmm readall14 lnage povertysd pocsd povertyschool readall15
               i.readlevel15 mathall15 i.mathlevel15 i.readlevel14 mathall14
               i.mathlevel14 readall13 i.readlevel13 mathall13 i.mathlevel13
               numpdfs numwords numpages pocschoolcount inquiry_full_prop
               traditional_prop progressive_prop closerate publicdensity
               charterdensity i.urban statenum cmonum geodistrict , knn(5)
readlevel14: ologit readlevel14 povertyschool i.readlevel15 i.mathlevel15
               i.mathlevel14 i.readlevel13 i.mathlevel13 numpdfs numwords
               numpages pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , augment
mathall14: pmm mathall14 povertyschool i.readlevel15 mathall15
               i.mathlevel15 i.readlevel14 i.mathlevel14 i.readlevel13
               mathall13 i.mathlevel13 numpdfs numwords numpages
               pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , knn(5)
mathlevel14: ologit mathlevel14 povertyschool i.readlevel15 i.mathlevel15
               i.readlevel14 i.readlevel13 i.mathlevel13 numpdfs numwords
               numpages pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , augment
readall13: pmm readall13 lnage povertysd pocsd povertyschool readall15
               i.readlevel15 mathall15 i.mathlevel15 readall14 i.readlevel14
               mathall14 i.mathlevel14 i.readlevel13 mathall13 i.mathlevel13
               numpdfs numwords numpages pocschoolcount inquiry_full_prop
               traditional_prop progressive_prop closerate publicdensity
               charterdensity i.urban statenum cmonum geodistrict , knn(5)
readlevel13: ologit readlevel13 povertyschool i.readlevel15 i.mathlevel15
               i.readlevel14 i.mathlevel14 i.mathlevel13 numpdfs numwords
               numpages pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , augment
mathall13: pmm mathall13 povertyschool i.readlevel15 mathall15
               i.mathlevel15 i.readlevel14 mathall14 i.mathlevel14
               i.readlevel13 i.mathlevel13 numpdfs numwords numpages
               pocschoolcount inquiry_full_prop traditional_prop
               progressive_prop closerate publicdensity charterdensity i.urban
               statenum cmonum geodistrict , knn(5)
mathlevel13: ologit mathlevel13 povertyschool i.readlevel15 i.mathlevel15

```

```

i.readlevel14 i.mathlevel14 i.readlevel13 numpdfs numwords
numpages pocschoolcount inquiry_full_prop traditional_prop
progressive_prop closerate publicdensity charterdensity i.urban
statenum cmonum geodistrict , augment

```

Performing chained iterations:

imputing  $m=1$  through  $m=5$  ..... done

|                                 |               |           |
|---------------------------------|---------------|-----------|
| Multivariate imputation         | Imputations = | <b>5</b>  |
| Chained equations               | added =       | <b>5</b>  |
| Imputed: $m=1$ through $m=5$    | updated =     | <b>0</b>  |
| Initialization: <b>monotone</b> | Iterations =  | <b>50</b> |
|                                 | burn-in =     | <b>10</b> |

```

povertyschool: predictive mean matching
povertysd: predictive mean matching
pocsd: predictive mean matching
lnage: predictive mean matching
readall13: predictive mean matching
mathall13: predictive mean matching
readall14: predictive mean matching
mathall14: predictive mean matching
readall15: predictive mean matching
mathall15: predictive mean matching
lnstudents: predictive mean matching
lnteachers: predictive mean matching
readlevel13: ordered logistic regression
mathlevel13: ordered logistic regression
readlevel14: augmented ordered logistic regression
mathlevel14: ordered logistic regression
readlevel15: ordered logistic regression
mathlevel15: augmented ordered logistic regression

```

| Variable      | Observations per $m$ |             |             | Total       |
|---------------|----------------------|-------------|-------------|-------------|
|               | Complete             | Incomplete  | Imputed     |             |
| povertyschool | <b>5348</b>          | <b>448</b>  | <b>448</b>  | <b>5796</b> |
| povertysd     | <b>5768</b>          | <b>28</b>   | <b>28</b>   | <b>5796</b> |
| pocsd         | <b>5768</b>          | <b>28</b>   | <b>28</b>   | <b>5796</b> |
| lnage         | <b>5796</b>          | <b>0</b>    | <b>0</b>    | <b>5796</b> |
| readall13     | <b>4037</b>          | <b>1759</b> | <b>1759</b> | <b>5796</b> |
| mathall13     | <b>3830</b>          | <b>1966</b> | <b>1966</b> | <b>5796</b> |
| readall14     | <b>4960</b>          | <b>836</b>  | <b>836</b>  | <b>5796</b> |
| mathall14     | <b>4948</b>          | <b>848</b>  | <b>848</b>  | <b>5796</b> |
| readall15     | <b>5158</b>          | <b>638</b>  | <b>638</b>  | <b>5796</b> |
| mathall15     | <b>5142</b>          | <b>654</b>  | <b>654</b>  | <b>5796</b> |
| lnstudents    | <b>5784</b>          | <b>1</b>    | <b>1</b>    | <b>5785</b> |
| lnteachers    | <b>5595</b>          | <b>152</b>  | <b>152</b>  | <b>5747</b> |
| readlevel13   | <b>4037</b>          | <b>1759</b> | <b>1759</b> | <b>5796</b> |
| mathlevel13   | <b>3830</b>          | <b>1966</b> | <b>1966</b> | <b>5796</b> |
| readlevel14   | <b>4960</b>          | <b>836</b>  | <b>836</b>  | <b>5796</b> |
| mathlevel14   | <b>4948</b>          | <b>848</b>  | <b>848</b>  | <b>5796</b> |
| readlevel15   | <b>5158</b>          | <b>638</b>  | <b>638</b>  | <b>5796</b> |
| mathlevel15   | <b>5142</b>          | <b>654</b>  | <b>654</b>  | <b>5796</b> |

(complete + incomplete = total; imputed is the minimum across  $m$  of the number of filled-in observations.)

Note: Right-hand-side variables (or weights) have missing values; model parameters estimated using listwise deletion.

Warning: the sets of predictors of the imputation model vary across imputations or iterations



```

523
524
525 ** -----
526 ** FINALIZE & SAVE DATA
527 ** -----
528
529 * Recover variables using imputed natural-logarithmic versions:
530 replace age = exp(lnage)
    variable age was byte now float
    (3,009 real changes made)

531 replace students = exp(lnstudents)
    variable students was int now float
    (14,571 real changes made, 66 to missing)

532 replace teachers = exp(lnteachers)
    (9,577 real changes made, 224 to missing)

533
534 * Rescale SD & academic variables so commensurate with dichotomous variables:
535 replace pocsd = pocsd/100
    (18,802 real changes made)

536 replace povertysd = povertysd/100
    (18,790 real changes made)

537 replace readall13 = readall13/100
    variable readall13 was byte now float
    (17,077 real changes made)

538 replace mathall13 = mathall13/100
    variable mathall13 was byte now float
    (16,870 real changes made)

539 replace readall14 = readall14/100
    variable readall14 was byte now float
    (18,000 real changes made)

540 replace mathall14 = mathall14/100
    variable mathall14 was byte now float
    (17,988 real changes made)

541 replace readall15 = readall15/100
    variable readall15 was byte now float
    (18,198 real changes made)

542 replace mathall15 = mathall15/100
    variable mathall15 was byte now float
    (18,182 real changes made)

543
544 * Recreate any original zeros, which were replaced with .z after log transformation:
    >
545 replace age = 0 if lnage==.z & age!=.
    (0 real changes made)

546 replace students = 0 if lnstudents==.z & students!=.
    (0 real changes made)

547 replace teachers = 0 if lnteachers==.z & teachers!=.
    (0 real changes made)

```

```

548
549 * Create new passive variables within MI (can use defaults because using mlong style
> ):
550 gen povertyschoolprop = povertyschool/100
    (448 missing values generated)

551 gen povertyschoolcount = round(povertyschool/100 * students)
    (503 missing values generated)

552 gen teacherratio = students/teachers
    (437 missing values generated)

553 gen upperlevel = middle + high + otherlevel

554 gen pocschoolprop = pocschoolcount/students
    (67 missing values generated)

555 mi register passive povertyschoolcount upperlevel teacherratio pocschoolprop poverty
> schoolprop

556
557 * Drop if still missing key variables:
558 quietly mi xeq 1 / 100: drop if missing(students) | missing(lnstudents) | students==
> 0 | lnstudents==.z
    invalid numlist has elements outside of allowed range
    r(125);

    end of do-file

    r(125);

559 do "/hdir/0/jhaber/Projects/charter_data/sorting-schools-2019/do-files/data_preparat
> ion.do"

560 ***-----
561 *** CHARTER SCHOOL ANALYSIS SET-UP DO-FILE
562 ***
563 *** Author: Jaren Haber, PhD Candidate
564 *** URL: https://github.com/URAP-charter/sorting-schools-2019
565 *** Institution: University of California, Berkeley
566 *** Project: Charter school identities
567 ***
568 *** Date created: January 3, 2019
569 *** Date modified: October 10, 2019
570 ***
571 *** Description: Prepares data for analysis by modifying variables,
572 *** performing multiple imputation, and saving data set for later use.
573 ***-----
574
575 * Install package for labeling multiple variables at once:
576 ssc install labvars, replace
    checking labvars consistency and verifying not already installed...
    all files already exist and are up to date.

577
578 * Specify current directory:
579 cd "/hdir/0/jhaber/Projects/charter_data/stats_team/"
    /hdir/0/jhaber/Projects/charter_data/stats_team

580

```

```

581 log using "logs/charter_setup_mi100_101019.smcl", replace
    log file already open
    r(604);

    end of do-file

    r(604);

582 do "/90days/jhaber/STATATMP/SD09282.000000"

583 * Drop if still missing key variables:
584 quietly mi xeq 1 / 5: drop if missing(students) | missing(lnstudents) | students==0
    > | lnstudents==.z

585 quietly mi xeq 1 / 5: drop if missing(pocschool) | missing(povertyschoolcount)

586
587 * Label variables:
588 * disciplinecount "FD emphasis (#)" disciplineprop "FD emphasis (%)"
589 labvars inquiry_seed_count "Emphasis: IBL seed (#)" inquiry_seed_prop "Emphasis: IBL
> seed (%)" inquiry_seed_log "Emphasis: IBL seed (logged ratio)" ///
> inquiry_narrow_count "Emphasis: IBL narrow (#)" inquiry_narrow_prop "Emphasis: IBL n
> arrow (%)" inquiry_narrow_log "Emphasis: IBL narrow (logged ratio)" ///
> inquiry_full_count "Emphasis: IBL full (#)" inquiry_full_prop "Emphasis: IBL full (%
> )" inquiry_full_log "Emphasis: IBL full (logged ratio)" ///
> inquiry_full_nohands_count "Emphasis: IBL full w/o hands-on (#)" inquiry_full_nohand
> s_prop "Emphasis: IBL full w/o hands-on (%)" inquiry_full_nohands_log "Emphasis: IBL
> full w/o hands-on (logged ratio)" ///
> pocschool "% students of color (school)" pocschoolprop "% students of color (school)
> " pocschoolcount "# students of color" ///
> povertyschool "% students in poverty (school)" povertyschoolprop "% students in pove
> rty (school)" povertyschoolcount "# students in poverty" ///
> pocsd "% people of color (school district)" povertysd "% people in poverty (school d
> istrict)" ///
> cmoname "CMO" state "State" geodistrict "School district" ///
> readall13 "% proficiency in RLA 2013-14" readall14 "% proficiency in RLA 2014-15" re
> adall15 "% proficiency in RLA 2015-16" ///
> mathall13 "% proficiency in math 2013-14" mathall14 "% proficiency in math 2014-15"
> mathall15 "% proficiency in math 2015-16" ///
> readlevel13 "RLA blurring 2013-14" readlevel14 "RLA blurring 2014-15" readlevel15 "R
> LA blurring 2015-16" ///
> mathlevel13 "Math blurring 2013-14" mathlevel14 "Math blurring 2014-15" mathlevel15
> "Math blurring 2015-16" ///
> primary "Primary school (binary)" middle "Primary school (binary)" high "Primary sch
> ool (binary)" otherlevel "Primary school (binary)" ///
> age "Years open" lnage "Years open (log)" students "# students" lnstudents "# studen
> ts (log)" teachers "# teachers" lnteachers "# teachers (log)" ///
> urban "Urban locale" pctpdfs "% PDF pages" numwords "# words", ///
> alternate

590
591
592 * Save data to disk
593 cd "/hdir/0/jhaber/Projects/charter_data/sorting-schools-2019/"
    /hdir/0/jhaber/Projects/charter_data/sorting-schools-2019

594 save "data/charter_schools_data_5_imputations.dta", replace
    file data/charter_schools_data_5_imputations.dta saved

595 export delimited using "data/charter_schools_data_5_imputations.csv", replace
    file data/charter_schools_data_5_imputations.csv saved

596
597 log close
    name: <unnamed>
    log: /hdir/0/jhaber/Projects/charter_data/stats_team/logs/charter_setup_mi5_10
> 1019.smcl
    log type: smcl
    closed on: 10 Oct 2019, 15:19:59

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