**Information about the shorter NELS files**

These shorter version of the NELS data used in *Multiple Regression & Beyond* should include all of the variables in the longer NELS data that are used in the textbook. The shorter file will make it easier to run various examples in the text without all the other variables in there to confuse you. The data are saved in a variety of formats, listed below.

I still very much encourage you to play around with the longer data set (n=1000,stud & par\_3) because I find that looking at all the variables that are available in a dataset like this is a great way to generate research ideas.

**If you find a variable that is in the textbook but is not in the data file, please send me an email listing the variable and the page in the text that references that variable (**[**tim@tzkeith.com**](mailto:tim@tzkeith.com) **).** Please note that these files do not include variables that were created out of existing variables for the purpose of a single example or exercise. I consider creating the new variables a part of those exercises!

The SPSS file is “n=1000,stud & par shorter.sav” (there is also a portable file version); an Excel version is saved as “n=1000,stud & par shorter all miss blank.xls” (with blanks for missing values; there is also a comma separate value, csv, version).

There are two plain text files:

1. “n=1000,stud & par shorter all miss negative 999.dat” has all missing values coded as negative 999, and is set up to be read easily into Mplus. The first few lines of Mplus syntax (to read these data) are shown below, under the heading “Information about plain text files”, number 1.
2. n=1000,stud & par shorter all miss blank.dat” is a fixed ASCII file with all missing data as blanks. See #2 below for the data formats.

**Information about plain text files**

1. **Mplus syntax:** Copy and paste the syntax below into Mplus to use the “n=1000,stud & par shorter all miss negative 999.dat” data file:

DATA:

FILE IS C:\Users\tzkeith\Documents\Regression Book 2\Data\NELS\n=1000,stud & par shorter all miss negative 999.dat;

VARIABLE:

MISSING ARE ALL (-999);

NAMES ARE stu\_id sch\_id sstratid sex race ethnic bys42a bys42b

bys44a bys44b bys44c bys44d bys44e bys44f bys44g bys44h

bys44i bys44j bys44k bys44l bys44m bys48a bys48b bys79a

byfamsiz famcomp bygrads byses byfaminc parocc bytxrstd

bytxmstd bytxsstd bytxhstd bypared bytests par\_inv f1s36a1

f1s36a2 f1s36b1 f1s36b2 f1s36c1 f1s36c2 f1s36d1 f1s36d2

f1s36e1 f1s36e2 f1s36f1 f1s36f2 f1s39a f1s39b f1s39c

f1s39d f1s45a f1s45b f1s62a f1s62b f1s62c f1s62d f1s62e

f1s62f f1s62g f1s62h f1s62i f1s62j f1s62k f1s62l f1s62m

f1s64a f1s64b f1s64c f1s64d f1s64e f1s64f f1s64g f1s64h

f1s64i f1s64j f1s64k f1s77 f1s78a f1s80aa f1s82 f1s83

ffugrad f1cncpt1 f1cncpt2 f1locus1 f1locus2 f1txrstd f1txmstd

f1txsstd f1txhstd;

1. **Fixed ASCII file, all missing data blank**

WRITE OUTFILE='C:…\n=1000,stud & par shorter '+

'all miss blank.dat'

ENCODING='Locale'

TABLE /ALL.

**Write will generate the following**

**Note here that all missing data are blank. Also note that this is a fixed ASCII file**

Variable Rec Start End Format

stu\_id 1 1 7 F7.0

sch\_id 1 8 12 F5.0

sstratid 1 13 14 F2.0

sex 1 15 15 F1.0

race 1 16 16 F1.0

ethnic 1 17 24 F8.2

bys42a 1 25 26 F2.0

bys42b 1 27 28 F2.0

bys44a 1 29 29 F1.0

bys44b 1 30 30 F1.0

bys44c 1 31 31 F1.0

bys44d 1 32 32 F1.0

bys44e 1 33 33 F1.0

bys44f 1 34 34 F1.0

bys44g 1 35 35 F1.0

bys44h 1 36 36 F1.0

bys44i 1 37 37 F1.0

bys44j 1 38 38 F1.0

bys44k 1 39 39 F1.0

bys44l 1 40 40 F1.0

bys44m 1 41 41 F1.0

bys48a 1 42 43 F2.0

bys48b 1 44 45 F2.0

bys79a 1 46 47 F2.0

byfamsiz 1 48 49 F2.0

famcomp 1 50 51 F2.0

bygrads 1 52 54 F3.1

byses 1 55 60 F6.3

byfaminc 1 61 62 F2.0

parocc 1 63 70 F8.2

bytxrstd 1 71 77 F7.3

bytxmstd 1 78 84 F7.3

bytxsstd 1 85 91 F7.3

bytxhstd 1 92 98 F7.3

bypared 1 99 99 F1.0

bytests 1 100 107 F8.2

par\_inv 1 108 115 F8.2

f1s36a1 1 116 117 F2.0

f1s36a2 1 118 119 F2.0

f1s36b1 1 120 121 F2.0

f1s36b2 1 122 123 F2.0

f1s36c1 1 124 125 F2.0

f1s36c2 1 126 127 F2.0

f1s36d1 1 128 129 F2.0

f1s36d2 1 130 131 F2.0

f1s36e1 1 132 133 F2.0

f1s36e2 1 134 135 F2.0

f1s36f1 1 136 137 F2.0

f1s36f2 1 138 139 F2.0

f1s39a 1 140 141 F2.0

f1s39b 1 142 143 F2.0

f1s39c 1 144 145 F2.0

f1s39d 1 146 147 F2.0

f1s45a 1 148 149 F2.0

f1s45b 1 150 151 F2.0

f1s62a 1 152 152 F1.0

f1s62b 1 153 153 F1.0

f1s62c 1 154 154 F1.0

f1s62d 1 155 155 F1.0

f1s62e 1 156 156 F1.0

f1s62f 1 157 157 F1.0

f1s62g 1 158 158 F1.0

f1s62h 1 159 159 F1.0

f1s62i 1 160 160 F1.0

f1s62j 1 161 161 F1.0

f1s62k 1 162 162 F1.0

f1s62l 1 163 163 F1.0

f1s62m 1 164 164 F1.0

f1s64a 1 165 165 F1.0

f1s64b 1 166 166 F1.0

f1s64c 1 167 167 F1.0

f1s64d 1 168 168 F1.0

f1s64e 1 169 169 F1.0

f1s64f 1 170 170 F1.0

f1s64g 1 171 171 F1.0

f1s64h 1 172 172 F1.0

f1s64i 1 173 173 F1.0

f1s64j 1 174 174 F1.0

f1s64k 1 175 175 F1.0

f1s77 1 176 177 F2.0

f1s78a 1 178 178 F1.0

f1s80aa 1 179 179 F1.0

f1s82 1 180 181 F2.0

f1s83 1 182 182 F1.0

ffugrad 1 183 190 F8.2

f1cncpt1 1 191 195 F5.2

f1cncpt2 1 196 200 F5.2

f1locus1 1 201 205 F5.2

f1locus2 1 206 210 F5.2

f1txrstd 1 211 215 F5.2

f1txmstd 1 216 220 F5.2

f1txsstd 1 221 225 F5.2

f1txhstd 1 226 230 F5.2

EXECUTE.