

Package ‘NAEPprimer’

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Title The NAEP Primer

Author

NAEP Primer data by Emmanuel Sikali. Creation of R package by Paul Bailey and Michael Lee.

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Description Contains a sample of the 2005 Grade 8 Mathematics data from the National Assessment of Educational Progress (NAEP). This data set is called the NAEP Primer.

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LazyData true

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

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NAEPprimer-package	<i>The NAEP Primer package contains a random mini-sample of real data from the 2005 grade 8 mathematics assessment that have been approved for public use. This includes two data files, as well as a system control file that corresponds to each data file to read in and format for further processing.</i>
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Description

Most of the data is in [M36NC2PM.dat](#) (including student, teacher, and most school variables) while [M36NT2PM.dat](#) with two school variables in it for demonstration. [M36NC2PM.fr2](#) and [M36NT2PM.fr2](#) are format files used to read in and format for further processing.

M36NT2PM.dat

M36NT2PM.dat - data file in the NAEP Primer data set

Description

The NAEP Primer is designed to simplify access to the NAEP database and make its technologies more user-friendly in NAEP data analysis. The Primer data contain a random mini-sample of real data from the 2005 grade 8 mathematics assessment that have been approved for public use. Only public schools are included in this subsample that contains selected variables for about 10 percent of the schools and students in this assessment. All students who participated in NAEP in the selected public schools are included. The mini-sample contains assessment data for students (assessed and excluded), as well as questionnaire data for teachers and schools. It has one combined data file with student data, teacher data, and school data at the student level. This mini-sample is not sufficient to make state comparisons. In addition, to ensure confidentiality, no state, school, or student identifiers are included (see The NAEP Primer (NCES 2011463) for further information).

Format

The .dat files are in a fixed width dat file. The format is described by the .fr2 files.

Details

Together M36NT2PM.dat and M36NC2PM.dat are the data for the NAEP Primer—for students and schools, respectively. The files M36NT2PM.fr2 M36NC2PM.fr2 are the layout files for the same data.

Traditionally the NAEP Primer would be a single file but for exposition purposes we have split it up into a M36NT2PM.dat contains 300 variables and 17606 rows, and has the majority of student, teacher, and school data. M36NC2PM.dat contains 2 variables and 4092 rows (one per school), and has two school variables. The two school variables on M36NC2PM are:

- "SSCRPSU" Scrambled PSU and school code (used for linking)
- "C052601" Percent enrolled in math for remediation

References

<https://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2011463>

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* datasets

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