

Student Assessment Scores Dataset - Codebook

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Student Assessment Scores Dataset - Messier Data in R

Description:

The Student Assessment Scores dataset is a collection of scores associated with individual student groups on the Partnership for Assessment of Readiness for College (PARCC) and Multi-State Alternate Assessment (MSAA) tests, for both English/Language Arts and Mathematics. This dataset serves as a good introduction to messier data, which requires some massaging and preprocessing before it can be fully analyzed. In particular, the concept of student groups needs careful attention - because student groups can encompass other student groups, filtering is necessary to ensure comparison of apples to apples.

Variables

- i..ObjectID - An index identifier, unique to each row.
- School_Year - The School Year measured in the row.
- School_Ward - The Ward of DC the school is located within.
- School_Code - The code associated with the school in this row.
- School_Name - The name of the school.
- LEA_Code - The code associated with the LEA.
- LEA_Name - The LEA associated with the school.
- Assessment_Type - The name of the assessment measured in this row (either PARCC or MSAA).
- Subject - The Subject of the scores for this row (either Math or ELA).
- Tested_Grade_Subject - The grade levels of the test administered to this row.
- Grade_Of_Enrollment - The grades within which students of this group are enrolled.
- Subgroup - The type of subgroup for this row (i.e. type of crosstab).
- Subgroup_Value - The value of that subgroup (i.e. actual groups of the crosstab).
- Percent_Meeting_or_Exceeding_Expectations - The percent of test-takers in this group that are meeting or exceeding the expected score.
- Percent_Level_[1,2,3,4,5] - The proportion of test takers which achieved the given level.
- Total_Number_Valid_Test_Takers - The number of test takers in this group. If less than 25, indicated by 'n<25'.

Code to Import

```
read.csv("DC_Public_Schools_Student_Assessment_Results.csv")
```

```
##      i..OBJECTID SCHOOL_YEAR SCHOOL_WARD SCHOOL_CODE
## 1            135    2014-15     Ward 8       217
## 2            136    2014-15     Ward 8       217
## 3            137    2014-15     Ward 8       217
## 4            138    2014-15     Ward 8       217
## 5            139    2014-15     Ward 8       217
## 6            140    2014-15     Ward 8       217
## 7            141    2014-15     Ward 8       217
## 8            142    2014-15     Ward 8       217
## 9            143    2014-15     Ward 8       217
## 10           144    2014-15     Ward 8       217
```