## ORGANIZATION OF SAT RESULTS

**Overview**

The SAT datasets are student-exam-level files containing student SAT test data. The files are broken into school years. The data are stored in comma separated value files (.csv) with a separate file for each school year.

In the files, students have multiple records depending on how many SAT tests they took during each school year. Each student has a unique, nine-digit, non-identifiable student identification number. Although the student id numbers are non-identifiable, they are linked across years.

The College Board is responsible for producing, administering and scoring all SAT tests. Results on NYC students are then shared with the DOE on a student level. These files are then matched against DOE files and students are matched on Name and DOB.  **ONLY MATCHED STUDENTS WITH AN NYC ID ARE INCLUDED IN THE FILES – THEY WILL NOT MATCH PUBLICLY REPORTED AGGREGATES PROVIDED BY COLLEGE BOARD.**

**Pertinent information about the SATs**

SATs are administered by the College Board 7 times during the school year (October, November, December, January, March, May and June).  They assess content and skills in three areas: Critical reading, Mathematics and Writing and include three kinds of questions: multiple choice, student-produced responses (mathematics only) and an essay question. Please note that SATs are not required of NYC students. Data includes charter school students.

**Example File Name: "2006-07_SAT_Admin_Scrambled.csv"**

| FIELD | DATA TYPE | FIELD DESCRIPTION | VALID VALUES |
|---|---|---|---|
| student_id_scram | Numeric | Non-personally identifiable student tracking number.<br>• Note: To ensure that all student IDs are 9 digits, import the variable as test to keep leading zeroes. | Nine-digit integer. |
| test_year | Numeric | Calendar year in which the test was administered. | Four-digit numeric year value ranging from 2006-2021. |
| test_month | Numeric | Month in which the test was administered. | Numeric month value (1-12). |
| critical_reading | Numeric | Score on the Critical Reading section of the SAT. | Numeric value ranging from 200 (lowest) – 800 (highest). |
| math | Numeric | Score on the Mathematics section of the SAT. | Numeric value ranging from 200 (lowest) – 800 (highest). |
| writing | Numeric | Score on the Writing section of the SAT. | Numeric value ranging from 200 (lowest) – 800 (highest). |

**Example File Name: "2015-16_SAT_Admin_New.csv"**

| FIELD | DATA TYPE | FIELD DESCRIPTION | VALID VALUES | |
|---|---|---|---|---|
| student_id | Numeric | The student's unique identification number. | Nine-digit integer. | |
| test_year | Numeric | Calendar year in which the test was administered. | Four-digit numeric year value ranging from 2006-2021. | |
| test_month | Numeric | Month in which the test was administered. | Numeric month value (1-12). | |
| sat_ebrw | Numeric | Score on the Critical Reading or Evidence-Based Reading & Writing. | Numeric value ranging from 200 (lowest) – 800 (highest). | |
| sat_math_section | Numeric | Score on the Mathematics section of the SAT. | Numeric value ranging from 200 (lowest) – 800 (highest). | |
| school_day | Numeric | Indicates test was taken on SAT School Day<br>• Note: Available 2015-16 (pilot year) to the present. SAT officially launched in 2016-17 citywide. | 0 | Test was not taken as part of SAT School Day |
| | | | 1 | Test was taken as part of SAT School Day |
| sat_total | Numeric | The Total score of both the Mathematics and Critical Reading or Evidence-Based Reading & Writing sections of the SAT. | | Numeric value ranging from 400 (lowest) – 1600 (highest). |