**Purpose:**

For a study we want to survey teachers who teach grades 3-5.  We want to look at schools in districts with more than 30,000 students.

**Inputs:**

Download the 2009/2010 CCD for schools and districts

District data: <http://nces.ed.gov/ccd/pubagency.asp>

School data: <http://nces.ed.gov/ccd/pubschuniv.asp>

There is both a SAS file and a flat file.  Please save the flat file, which is saved as a .txt file.

There will be two outputs:

**Output 1:**

Filename: schools.dta

**Level:** One record per school

**Variables:**

|  |  |  |
| --- | --- | --- |
| Variable | Type | Description |
| leaid | Numeric | District ID |
| lea\_name | Character | District Name |
| state | Numeric | State name |
| schid | Numeric | School ID |
| schoolname | Character | School Name |
| avgstud\_3to5 | Numeric | Average number of students in grades 3-5 (within a district) |
| totalstud | Numeric | Total number of students in grades 3-5 |
| more\_300 | Numeric | 1= School has more than 300 students in grades 3-5, 0=otherwise |
| per\_hispanic | Numeric | Percent of students in grades 3-5 that are Hispanic |
| per\_white | Numeric | Percent of students in grades 3-5 that are White, non-Hispanic |
| per\_black | Numeric | Percent of students in grades 3-5 that are  Black, non-Hispanic |

**Output 2:**

Filename: districts.dta

**Level:** One record per district

**Variables:**

| **Variable** | **Type** | **Description** |
| --- | --- | --- |
| leaid | Numeric | District ID |
| lea\_name | Character | District Name |
| state | Numeric | State name |
| avg\_hispanic\_all | Numeric | Average percent of students in grades 3-5 that are Hispanic (all schools) |
| avg\_white\_all | Numeric | Average percent of students in grades 3-5 that are White, non-Hispanic (all schools) |
| avg\_black\_all | Numeric | Percent of students in grades 3-5 that are  Black, non-Hispanic (all schools) |
| avg\_hispanic\_300p | Numeric | Average percent of students in grades 3-5 that are Hispanic (schools with 300 or more students) |
| avg\_white\_300p | Numeric | Average percent of students in grades 3-5 that are White, non-Hispanic (schools with 300 or more students) |
| avg\_black\_300p | Numeric | Percent of students in grades 3-5 that are  Black, non-Hispanic (schools with 300 or more students) |

**Steps:**

1.       Using the district level data, find districts with at least 30,000 students.

2.       Subset the school data to only these districts.  Limit the data to schools with students in grades 3-5 (students are in all 3 grades).

3.       Find the average number of students per school in grades 3- 5.  Save this number as *avgstud\_3to5.*

4.       Find the total number of students in grades 3-5 for each school.  Save this number as *totalstud*.   Flag if totalstud is more than 300 (*more\_300*)

5.       Find the percent of students in grades 3-5 that are Hispanic, White and Black.

6.       Save the school level file.

7.       Create a district level file with the following information:

1.       average per\_hispanic, per\_white, per\_black

2.       average per\_hispanic, per\_white, per\_black for schools with more than 300 students.