

SAID in Graphics, Contest Data Description

First Look: Characteristics of Public Elementary and Secondary School Principals in the United States (NCES 2017-070)

This First Look report is available at: <https://nces.ed.gov/pubs2017/2017070.pdf>

The data used in constructing this First Look is restricted. However, the data set in your team DropBox is derived from the similar 1999-2000 Public School Principal Questionnaire from the Schools and Staffing Survey data. This data set contains some imputed values and drops some observations with missing variables (typically because they did not have a corresponding school level survey). The full operational dataset for 1999-2000 contains a large number of weight variables. This set contains only one, called here WEIGHT.

This data set is not to be used for any research projects as it is missing some information to be used correctly in those circumstances. It is provided here for demonstration purposes.

Table 1 in the First Look has column variable similar to RACETH_P (Race/Ethnicity) and row variables related to PGMTYPE (program type), URBANIC (Urbanicity of the school), SCHLEVEL (School Level), ENRK12UG (Total Ungraded and K-12 Enrollment), and FRED (Percent of K-12 students approved for free or reduced priced lunches). Many of these variables has slightly different categories in the data set you are provided.

Table 2 in the First Look has column variable A0227 (Gender) and one similar to AGE_P (Principal's age by category). The data set does not include the raw ages to calculate the average or median as in the table. As per the FAQ, you may use a reasonable simulation to generate age values if it is an important part of your graphic. Please provide an explanation of what you did for doing so.

Table 3 in the First Look has column variable similar to A0225 (Principal's Highest Degree).

Table 6 in the First Look has columns derived from the continuous variable A0053 (Years the principal was at the current school), and for the first column A0053 and A0054 (Years the principal was at other schools).

Table 7 in the First Look has columns derived from variables A0079, A0087, A0095, A0104, A0111, A0118, and A0125 (the various influence variables for the principal, with 5 being "a great deal of influence").

The Variables

The dataset contains variables from the Public School Principal Questionnaire from the Schools and Staffing Survey for 1999-2000 (identified below with an A in front of a four digit number), as well as others derived from those questions or from the general school survey.

The Public School Principal Questionnaire from the Schools and Staffing Survey for 1999-2000 can be found at: <https://nces.ed.gov/surveys/sass/pdf/9900/sass2a.pdf> . It contains the details of questions

A0053 to A0230 that begin on page 4 of the questionnaire. (Note small numbers next to each question in the questionnaire). An * indicates an explanatory vote for the variable is included at the end of this document.

A0053	Yrs princpl this sch	A0092	Influence on prof dev prog state
A0054	Yrs princpl oth schls	A0093	Influence on prof dev prog sch board
A0055	Yrs tchnng before princpl	A0094	Influ prof dev prog district staff
A0056	Yrs tchnng since princpl	A0095	Influence on prof dev prog principal
A0057*	Currently teaching in this sch	A0096	Influence on prof dev prog curr spec
A0058	Dept head	A0097	Influence on prof dev prog tchrs
A0059	Curriculum spec/coordinator	A0098	Influence on prof dev prog college
A0060	Assistant principal	A0099	Influence on prof dev prog council
A0061	Counselor	A0100	Influence on prof dev prog parents
A0062	Library media specialist	A0101	Influence on eval tchrs state
A0063	Athletic coach	A0102	Influence on eval tchrs sch board
A0064	Sponsor	A0103	Influence on eval tchrs district staff
A0065	Prog for aspiring princpls	A0104	Influence on eval tchrs principal
A0066	Prog for Ind ed admin	A0105	Influence on eval tchrs tchrs
A0067	Most imp goal	A0106	Influence on eval tchrs council
A0068	Second most imp goal	A0107	Influence on eval tchrs parents
A0069	Third most imp goal	A0108	Influence on hiring tchrs state
A0070	How far along ed goals	A0109	Influence on hiring tchrs sch board
A0071	How far along organizational goals	A0110	Influence on hiring tchrs district staff
A0072	How far along financial	A0111	Influence on hiring tchrs principal
A0073	How far along attracting students	A0112	Influence on hiring tchrs tchrs
A0074	How far along assessment sys	A0113	Influence on hiring tchrs council
A0075	How far along parent involvement	A0114	Influence on hiring tchrs parents
A0076	Influence on standrds state	A0115	Influence on disc policy state
A0077	Influence on standrds sch board	A0116	Influence on disc policy sch board
A0078	Influence on standrds district staff	A0117	Influence on disc policy district staff
A0079	Influence on standrds principal	A0118	Influence on disc policy principal
A0080	Influence on standrds curr spec	A0119	Influence on disc policy tchrs
A0081	Influence on standrds tchrs	A0120	Influence on disc policy council
A0082	Influence on standrds council	A0121	Influence on disc policy parents
A0083	Influence on standrds parents	A0122	Influence on spending state
A0084	Influence on curriculum state	A0123	Influence on spending sch board
A0085	Influence on curriculum sch board	A0124	Influence on spending district staff
A0086	Influence on curriculum district staff	A0125	Influence on spending principal
A0087	Influence on curriculum principal	A0126	Influence on spending curr spec
A0088	Influence on curriculum curr spec	A0127	Influence on spending tchrs
A0089	Influence on curriculum tchrs	A0128	Influence on spending council
A0090	Influence on curriculum council	A0129	Influence on spending parents
A0091	Influence on curriculum parents	A0130	Problem student tardiness

A0131	Problem student absenteeism	A0174	Dismissal barrier policies
A0132	Problem tchr absenteeism	A0175	Dismissal barrier decisions not
A0133	Problem class cutting	A0176	Dismissal barrier inadequate doc
A0134	Problem phys conflicts	A0177	Dismissal barrier tenure
A0135	Problem theft	A0178	Dismissal barrier tchr assn
A0136	Problem vandalism	A0179	Dismissal barrier too stressful
A0137	Problem student pregnancy	A0180	Partcpatd in university crses
A0138	Problem alcohol use	A0181	Visiting other schools
A0139	Problem drug abuse	A0182	Research
A0140	Problem weapons	A0183	Mentoring
A0141	Problem disrespect for tchrs	A0184	Principal network
A0142	Problem drop outs	A0185	Participated in princpls workshops
A0143	Problem student apathy	A0186	Presenter at workshops
A0144	Problem parental involvement	A0187	Attending assn meeting
A0145	Problem poverty	A0188	Decision making body
A0146	Problem unprepared students	A0189*	Council principal
A0147	Problem student health	A0190*	Council vice principal
A0148	Prof dev state initiatives	A0191*	Council teachers
A0149	Prof dev dist initiatives	A0192*	Council department heads
A0150	Prof dev sch improvmt plan	A0193*	Council students
A0151	Prof dev academic stndrds	A0194*	Council parents
A0152	Prof dev skills stndrds	A0195*	Council community reps
A0153	Prof dev tchr preferences	A0196*	Council Superintendent/dist rep
A0154	Prof dev support sch goals	A0197	Freq facilitate achvmnt sch mission
A0155	Prof dev support dist goals	A0198	Freq supervise staff
A0156	Prof dev support stndrds	A0199	Freq guide dev of curriclm
A0157	Prof dev eval imprvment	A0200	Freq facilitate stu learning
A0158	Prof dev eval stu achvmnt	A0201	Freq provide prof dev actvties
A0159	Prof dev part of tchrs work	A0202	Freq build prof community
A0160	Prof dev planned by tchrs	A0203	Freq dev public relations
A0161	Prof dev presented by tchrs	A0204	Freq maintain phys security
A0162	Prof dev with resources	A0205	Freq manage sch facilities
A0163	Prof dev w/ tchrs	A0206	Freq attend dist meetings
A0164	Tchrs givn time for prof dev	A0207	State/dist has sch perf goals
A0165*	Prof dev time use substitutes	A0208*	Sch req to meet dist/st goals
A0166*	Prof dev time early dismissal	A0209*	Sch met dist/st goals
A0167*	Prof days before sch yr	A0210*	Receivd cash/resrces for entire sch
A0168*	Prof days during sch yr	A0211*	Receivd cash/resrces for tchrs
A0169*	Prof days after sch yr	A0212*	Received other recognition
A0170*	Common planning time	A0213*	Yes in 22c
A0171*	Reduced work loads	A0214*	Req to write plan
A0172	Sch has own prof dev budget	A0215*	Put on evaluation cycle
A0173	Pcnt of fclty tchnng to hi standards	A0216*	Provided w/tech assistance

A0217*	Given additional resources	A0224*	Assessment portfolios
A0218*	Req to replace principal	A0225	Highest degree
A0219*	Reconst or taken over	A0226*	Salary
A0220*	Reduced funding	A0227	Gender
A0221	Sch improvement plan	A0228	Race
A0222*	Assessment tests	A0229*	Tribal affiliation
A0223*	Assessment surveys	A0230	Ethnicity

The remaining questions are derived from other information on the Principal Survey, or gained from the School Survey <https://nces.ed.gov/surveys/sass/pdf/9900/sass3a.pdf>.

URBANIC is the Urbanicity of the School

1. Large or Mid-size central city
2. Urban fringe of large or mid-size city
3. Small town/rural

REGION is the Census Region

1. Northeast: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania
2. Midwest: Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas
3. South: Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas
4. West: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Ala

ENRK12UG is the categorized Total Ungraded and K-12 Enrollment

1. Less than 300 students
2. 300 to 499 students
3. 500 or more students.

SCHLEVEL is the School Level

1. Elementary if school has any of grades K–6 and none of grades 9–12
2. Secondary if school has any of grades 7–12 and none of grades K–6
3. Combined for all other cases.

NUMTCH is the categorized estimated number of FTE teachers

1. Fewer than 25 teachers
2. 25 - 34 teachers
3. 35 or more teachers

STU_TCH is the estimated student teacher ratio (Note that one observation seems to be in error).

MINENR is the categorized percent minority students

1. Fewer than 5 percent students
2. 5 - 19 percent students
3. 20 - 49 percent students
4. 50 or more percent students

MINTCH is the categorized percent of minority teachers

1. Less than 1%
2. 1 - 4%
3. 5 - 19%
4. 20 - 49%
5. 50% or more

PGMTYPE is the type of school

1. REGULAR elementary or secondary school
3. Elementary or secondary school with a SPECIAL PROGRAM EMPHASIS (such as a science/math school, performing arts school, talented/gifted school, foreign language immersion school, etc.)
4. SPECIAL EDUCATION school - primarily serves students with disabilities
5. VOCATIONAL/TECHNICAL school - primarily serves students being trained for occupations
- 6 ALTERNATIVE school- offers a curriculum designed to provide alternative or nontraditional education; does not specifically fall into the categories of regular, special program, special education, or vocational school

GL_ACDM, GL_GRW, GL_HMRL, GL_LITCY, GL-MRL, GL-SKL, and GL_WRK are derived from the choices for A0067, A0068, A0069 (question 8 was apparently left out because it can be calculated from the others). A value of 1 indicates the corresponding goal was ranked in the top 3, a 2 indicates it was not.

GL_ACDM = academic excellence; GL_GRW = personal growth, GL_HMRL = human relations skills, GL_ITCY= basic literacy, GL_SKL=occupational/vocational skills, GL_WRK=work habits

RACETH_P is the Principal's race/ethnicity

1. American Indian or Alaska Native, non-Hispanic
2. Asian or Pacific Islander, non-Hispanic
3. Black, non-Hispanic
4. White, non-Hispanic
5. Hispanic, regardless of race

AGE_P is the Principal's age

1. Under 40
2. 40 – 44
3. 45 – 49
4. 50 – 54
5. 55 and over

FRED is the categorized percent of K-12 students who were approved for free or reduced-priced lunch

1. Less than 5%
 2. 5 - 19%
 3. 20 - 49%
 4. 50% or more
- 8 School did not participate in the national school lunch program

WEIGHT is the relative weights to be applied to the principals. The sum of the weights is approximately the number of public schools estimated to exist in the United States while the survey was taken.

Notes on particular variables:

A0057: A response of -8 on A0057 (6c: Are you currently teaching in this school) indicates they answered 0 to A0056 (6b: Years teaching since becoming principal)

A00165 to A0171: A response of -8 on questions A0165 to A0171 (15b(1) to 15b(7)) indicates a response of 2 (No) on A0164 (15a: Does the school provide development time during regular hours).

A0189 to A0196: A response of -8 on questions A0189 to A0196 (20b(1) to 20b(8)) indicates a response of 2 (No) on A0188 (20a: Does the school have a decision making body).

A0208 to A0209: A response of -8 on questions A0208 to A0209 (22b to 22c) indicates a response of 2 (No) on A0207 (22a: Has either your district or your state established school performance goals).

A0210 to A0213: A response of -8 on questions A0210 to A0213 (22d(1) to 22d(3) and 22e) indicates a response of -8 (Skipped) or 2 (No) on A0209 (22c: Did your school meet the minimum district or state performance goals). An additional 2 subjects mistakenly skipped A0213 (22e).

A0214 to A0220: A response of -8 on questions A0214 to A0220 (22f(1) to 22f(7)) indicates a response of -8 (Omit) or 1 (Yes) on A0209 (22c), or a 1 (Yes) on A0213 (22e: Question designed for those not following instructions).

A0222 to A0224: A response of -8 on questions A0222 to A0224 (23b(1) to 23b(3)) indicates a response of 2 (No) on A0221 (23a: Does your school have a formal improvement plan?)

A0226: Salary is categorical with

1. Less than \$49,000
2. \$49,000 - \$59,999
3. \$60,000 - \$69,999
4. \$70,000 - \$79,999
5. \$80,000 - \$89,999
6. \$90,000 or more

A0229: A response of -8 on question A0229 (27b: Are you in a federally recognized tribe) indicates a response other than 1 (American Indian or Alaska Native) on A0228 (27a: Race).