**Explanation of Dataset to Accompany this Book**

The Teacher Survey Data used in many of the SPSS exercises for the Study Guide for Education is simulated data. It is not real data collected from teachers. It is simulated data meant for educational purposes only. The data set contains simulated data to represent a random elementary school in the US. This fictitious elementary school consists of grade K-5 and has traditional classes taught in English as well as Spanish immersion classes. The simulated data represents a set of 70 teachers in this school. The variables in the data set are detailed below:

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| --- | --- | --- | --- |
| **Variable** | **Label** | **Values** | **Level of Measurement** |
| Teacher Type | Category of teacher | 1=Traditional (teaches in English)2= Spanish Immersion3= Special Education4= Art or Music 5= Health or Physical 6= English Language Teacher (teaching ELL students)7= Specialists (e.g. Speech or Reading)8= Gifted or High Potential  | Nominal |
| Years of Experience | Years of teaching experience |  | Ratio |
| Grade Level | Current grade level taught  | 0 = Kindergarten, 1= 1st, 2= 2nd, 3= 3rd, 4= 4th, 5= 5th 6= multiple grade levels  | Nominal (because value 6 is not equal to 6th grade) |
| Location | Number of teaching locations |  | Ratio |
| Degree | Highest degree obtained | 1= Bachelor’s, 2= Masters, 3 = PhD | Ordinal  |
| License | Type of teaching license | 1= traditional, 2 = alternative, 3 = no license | Nominal |
| Professional Development | Hours of professional development over the last 12 months | 1 = 8 or less hours2 = 9-16 hours3 = 17-24 hours4 = more than 24 hours | Interval |
| Full Time | Full time status | 1 = full time, 2 = part time | Nominal |
| Per Week Hours | Estimated hours worked per week |  | Ratio |
| Work Another Job | Do you work another job to supplement your salary? | 1= no2= yes, but only during the summer months3= yes, all year long | Nominal |

The next items in the data set are from a survey of teacher satisfaction. The survey is on a five point scale with 1 = Strongly Disagree, 2 = Disagree, 3 = Neutral, 4= Agree and 5 = Strongly Agree (this would be an interval scale). The following are the survey items:

1. The school administrations behavior towards the staff is supportive and encouraging.
2. My principal communicates with me often.
3. At this school teachers have a lot of influence over school policy
4. Routine duties and paperwork interfere with my teaching.
5. There is a great deal of cooperation among staff members at this school.
6. I am given the support I need to teach students with special needs.
7. I have a lot of control over the teaching techniques I use in my class.
8. I receive a great deal of support from parents.
9. Poverty is a major issue at this school
10. I am very stressed at work.
11. I am satisfied with my salary
12. I am generally satisfied with being a teacher at this school

The above 12 item survey was given at the midpoint of the school year (listed as SurveyItem A + the survey number in the data set). At the last week of the school year two of the survey questions were given again (listed as SurveyItemB in the data set). These items are

B10) I am very stressed at work

B12) I am generally satisfied with being a teacher at this school

The remaining three variables are combinations created by adding together similar survey items. The variable “School Administration” is a combination of survey items A1 and A2 which both refer to administrations interactions with teachers. The variable “Overall Stress” is a combination of the “I am very stressed at work” item from midyear and the last week of school. The variable “Overall Satisfaction” is a combination of the “I am generally satisfied with being a teacher at this school” item from midyear and the last week of school.

Note: The teaching categories used in this data set by no means represent all teachers or staff in a school. Paraprofessional and other support staff have been left out only to simplify the data set.