

## Scenario: Exploring the Data

Suppose you are a data analyst working for a school district. You want to assess the progress in reading skills of students in the district during their first year of formal schooling. Specifically, you are interested in predicting the spring reading scores based on tests that students took in the fall. The school data set contains data for a simple random sample of students that was selected from all students in the district. The data includes scores on tests taken by students in the fall, winter, and spring; and student characteristics such as gender, age, and school. Before you build a regression model, you want to explore the relationship between the response variable **Reading3** (which contains the student score on the spring reading test) and the predictor variables **Letters**, **Phonics1**, and **Words1** (which contain the student scores on the fall tests of letter identification, letter sounds, and word identification, respectively). To see details about the school data set, click the Information button.

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