**Phase 1 Instructions:**In Phase 2 you will conduct a descriptive analysis and create a dashboard. In this phase you will select an appropriate dataset. Your dataset must be approved by Dr. Hill.

Dataset requirements:

* You must be able to **develop three questions** for your dashboard (see Phase 2 description) from your dataset
* At least 100 rows **220 observations**
* At least 5 columns **16 variables**
* A mixture of quantitative and categorical data (at least one column of each type) **Municipality is character and the rest are numeric**
* If you use a dataset from your work, please make sure that the dataset does NOT contain any proprietary information **N/A**

Write a short description of your dataset in a Word document (including three possible questions that might be asked of the data and answered with a dashboard).

Questions:

1. How much money is being spent per student in different demographics?
2. How does the Student-to-teacher-ratio effect scores in 4th grade?
3. Which municipalities show the highest scores in 8th grade?

Description of Dataset:

The dataset is self-described as containing “data on test performance, school characteristics, and student demographic backgrounds for school districts in Massachusetts from 1998. It was obtained from Stock and Watson to accompany their *Introduction to Econometrics*, 2nd edition. There are multiple demographic stats including English-learners, Special Education Learners, as well as Low-income Free or Reduced Lunches. They have included two gateway testing scores from the Massachusetts Comprehensive Assessment System (MCAS) test which was mandatory for all MA public schools. The Data on the average district income came from the 1990 US Census.

This data was found using a Google Search which led me to a site at Githib.io located at <https://vincentarelbundock.github.io/Rdatasets/doc/AER/MASchools.html> .

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<https://vincentarelbundock.github.io/Rdatasets/doc/AER/MASchools.html>

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