4.4.2 Overview of the School Data Analysis Project

After you have downloaded and inspected the files, you meet with Maria to go over the tasks you'll need to complete for the analysis. There's a lot of coding that needs to be done, but she says that she'll help you if you need it. Also, after you complete each task, you'll need to add your code to a GitHub repository, which Maria will download and review to make sure you are on the right track.

Here is the list of deliverables for the analysis of the school district:

- A high-level snapshot of the district's key metrics, presented in a table format

- An overview of the key metrics for each school, presented in a table format

- Tables presenting each of the following metrics:

  - Top 5 and bottom 5 performing schools, based on the overall passing rate

  - The average math score received by students in each grade level at each school

- The average reading score received by students in each grade level at each school

- School performance based on the budget per student

- School performance based on the school size

- School performance based on the type of school

Before we can begin these tasks, we need to import the datasets into Jupyter Notebook using Python.