**Integration Documentation**

To achieve the desired goals, the following steps are to be followed:

* Creating the data that will be required for the analysis.
* Writing the SQL code to create the schema, create the necessary tables with the desired characteristics, insert data into the tables, analyze the data and retrieve the desired data.
* Upon running the code, tables showing the retrieved data will appear.
* Export the results (tables) as CSV files.
* Open Microsoft Excel or Google Sheets and import the CSV files. These files contain the data that will be used for analysis.
* Using the data you imported, create pivot tables, charts and the dashboard for visualization.
* Analyze the key findings and give possible solutions.

**Key Findings**

* The schools’ performance is directly proportional to the amount of resources that are available in the region. School A has the highest performance, then School B, then School C and School D which has the least performance.
* The gender with the highest population is Male whereas Female have the least population.
* The gender which has the highest average score is Female whereas Male has the least performance despite the high population.

**Recommended Solutions**

* Implement a needs-based resource allocation model to provide more resources to schools with lower performance.
* Provide targeted academic interventions such as tutoring, mentorship, or specialized programs to help male students improve their academic performance.
* Address non-academic factors that may hinder male students' performance, such as socioeconomic challenges or engagement issues.
* Implement policies and initiatives to encourage higher female enrollment and retention in schools, particularly in regions or schools where gender imbalance is prevalent.
* Support female students with scholarships or financial aid to overcome barriers that prevent access to education.
* Invest in building or upgrading infrastructure like classrooms, laboratories, and libraries in these regions.
* Introduce digital learning tools and e-learning platforms to ensure students in remote or under-resourced areas can access quality educational materials.
* Partner with local government bodies and NGOs to address resource inequalities and ensure funding is available for disadvantaged schools. Establish policies that mandate equal access to educational opportunities regardless of gender or region.