Learn Basics – Data Analytics Intern – Task 2 Guidelines

Dear Candidate,

Congratulations on completing the task 1. Task 2 is an extension of the Task 1, where you will be reusing some of the table like 'student_list'. The objective of Task 2 is to evaluate your skill on converting the data to actionable insights.

Task 2 Overview:

Create a dashboard using Metabase with detailed analysis
This is an open-ended task so we want you to put yourself in the school principal and teacher's shoes while creating insights from the data.

In the Task 2, You will

1. Organize teacher data into tables based on the classes they are handling.
2. Ability to interpret the data and create insights from the principal and teacher perspective (Data storytelling).

Table Creation:

We have given you the list of teachers who are handling the different classes for the Learn Basics Public School (Teachers Details.xlsx) analyse the given data and create required tables for the teachers with appropriate columns which can be related to other tables in the Postgres.

Chapter Test Data:

We have given you few chapters from the Science and Math NCERT Books (Link for reference) each chapter has 4 tests (chapter_test_data.csv use file -> save as -> download a copy) . Here you will be creating a **Dashboard for Principal** and the **Concern subject teacher** to showcase the performance of the students and interpreted insights from the tests.

1. Create separate dashboard for
    a. Principal – Overall school data need to be presented
    b. Teacher – Only for the classes which the teacher is handling.
2. Student details in 'student_list' are the master data and students are considered as **absentees** if no record in the given 'chapter_test_data'.
3. Hierarchy and the Clustering need to be followed is

    Student Level Data < **Test Level Data** < **Chapter Level Data** < **Section Level Data** < **Class Level Data**.

4. Follow proper naming conventions for all the tables and charts you create in metabase and also maintain it in proper excel sheet for quick reference.
5. You can use all the feature to process the data like creating new query tables or you can use Metabase built in editor.
6. You can create many filter in dashboard and link one with other filters.
7. Use different chart and other visualization available in metabase.

Submit the public URL.
Once the dashboard is created, share the public URL of the dashboard with us.