PROJECT SPECIFICATION

Deforestation Exploration

Building A View

CRITERIA	MEETS SPECIFICATIONS
Write a `CREATE` statement that results in creation of a View	The create a **forestation** view query that the student writes prior to answering the questions joins all three tables on the columns indicated, and creates a new column by performing a calculation that compares two columns.

Basic SQL Queries

CRITERIA	MEETS SPECIFICATIONS
Write SQL queries that execute properly.	Each query is included in the Appendix and executes properly. A reviewer should be able to execute this same query and get the correct output.
Write SQL queries that make use of the `SELECT` keyword to return information from provided tables	`SELECT` queries return results consistent with the question being asked.
Write queries that filter resulting tables using the `WHERE` keyword.	`WHERE` clauses used in `SELECT` statements filter tables according to the questions being asked
Write queries that sort resulting tables using `ORDER BY` keyword	`ORDER BY` clauses used in `SELECT` statements sort query results according to the questions being asked, and specify ASC for ascending or DESC for descending where appropriate
Write queries that aggregate data	`GROUP BY` clauses aggregate results by chosen

CRITERIA	MEETS SPECIFICATIONS
using the `GROUP BY` keyword	categorical variables
Write queries that contain `BOOLEAN OPERATORS` to compare values in the tables	Queries make use of operators such as =, < and/or > to qualify `WHERE` clauses and `JOIN` statements, as well as conditions AND and OR to link conditional clauses.

Windows Functions

CRITERIA	MEETS SPECIFICATIONS
Write SQL queries that makes use of Windows functions	Queries make use of Windows Functions such as SUM, COUNT, ROUND and/or ABS as needed to perform the appropriate calculation in order to answer the questions posed.

Join Command

CRITERIA	MEETS SPECIFICATIONS
The project contains properly formatted SQL Joins	Queries include the appropriate form of Join (Inner, Left, Right, Outer) clause to ensure that no necessary rows are left out.
The project uses a `JOIN` to perform row-level calculations on a single table like difference and percent difference.	The student creates a query that joins a table to itself in order to compare values in two different rows.
The project contains a `JOIN` that combines disparate tables together on one or multiple columns	Queries include Join clauses that match appropriate columns together using the ON command and the appropriate Boolean operator.

Case Command

CRITERIA	MEETS SPECIFICATIONS
Write a `CASE` statement to return values based on specific conditions	The query the student writes for question 3(c) includes a `CASE` statement that addresses the question.

Report Formatting

CRITERIA	MEETS SPECIFICATIONS
Report has all the five elements specified in the rubric.	All five elements of the rubric are present in the report. 1. GLOBAL SITUATION 2. REGIONAL OUTLOOK 3. COUNTRY-LEVEL DETAIL 4. RECOMMENDATIONS 5. APPENDIX: SQL queries used
SQL formatting should follow SQL formatting guidelines.	All queries captured in the Appendix follow SQL formatting guidelines, including those for indentation, capitalization.

Suggestions to Make Your Project Stand Out!

1. (Include at least two suggestions for how students can go above and beyond, personalize their project submission to make it stand out.)

   Write SQL statements that are structured to be highly readable, eg. by placing clauses on their own lines and adding comments.

2. Write the report in highly articulate and convincing verbiage, that’s easy to read, and shows thoughtful evaluation and presentation.