Project submission

Presentations

You are now on the portion of the project you will need to submit to a reviewer. To pass this project follow the below instructions to create a presentation.

Your presentation should include:

- Four slides
- One visualization per slide
- A 1-2 sentence explanation of each slide
- The SQL query used to create the data used in the visualization.

Note: you may choose to use queries that were motivated by the questions on the previous concepts, or you may choose four entirely new questions. However, if you use any of the previous queries, they must be those that had a JOIN as stated in the Rubric.

The submission template is a Google Slides file. Make a copy of the submission template to complete your project. We suggest you use the layout provided, though it is not a requirement.

Queries

Please include a text file that includes each of the queries used to create the visualizations. You should format your queries for readability, use this tool to help **http://www.sql-format.com/**. In a plain text file (use notepad, notepad++, or **atom**).

CRITERIA	MEETS SPECIFICATIONS
The student can write error-free SQL queries.	All SQL queries run without errors and produce the intended results.
The student can use joins correctly in SQL queries.	Each SQL query needs to include one or more explicit join.
The student can use aggregations correctly in SQL queries.	Each SQL query needs to include one or more aggregation. This could be a **COUNT**, **AVG**, **SUM**, or other aggregation.

```
FROM table t1
JOIN table2 t2
ON t1.col = t2.col
GROUP BY t1.col;

/* Query 2 - the query used for second insight*/
SELECT t1.col, COUNT(*) ct
FROM table t1
JOIN table2 t2
ON t1.col = t2.col
GROUP BY t1.col;
```

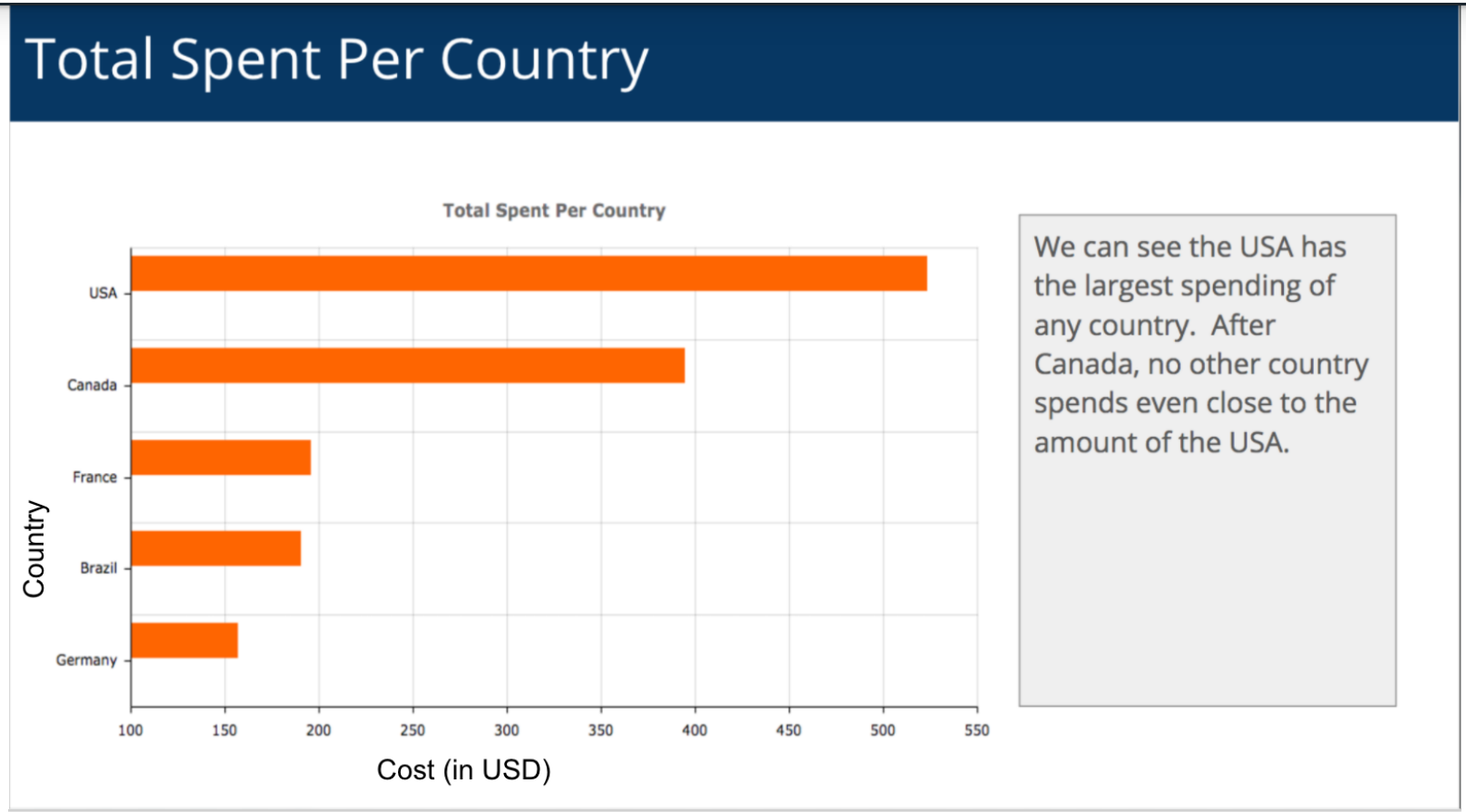
Put your text file and presentation in a folder and zip it. Then submit the zipped folder for your project. A slide template is provided here:

SUBMISSION TEMPLATE

If you cannot access Google Slides please scroll to the bottom to download the power point file of the template.

Visualizations

We suggest you use a spreadsheet application, such as Excel or Google Sheets to create your visualizations. However, you're welcome to use whatever tool you'd like. Your visualizations could be any that you learned

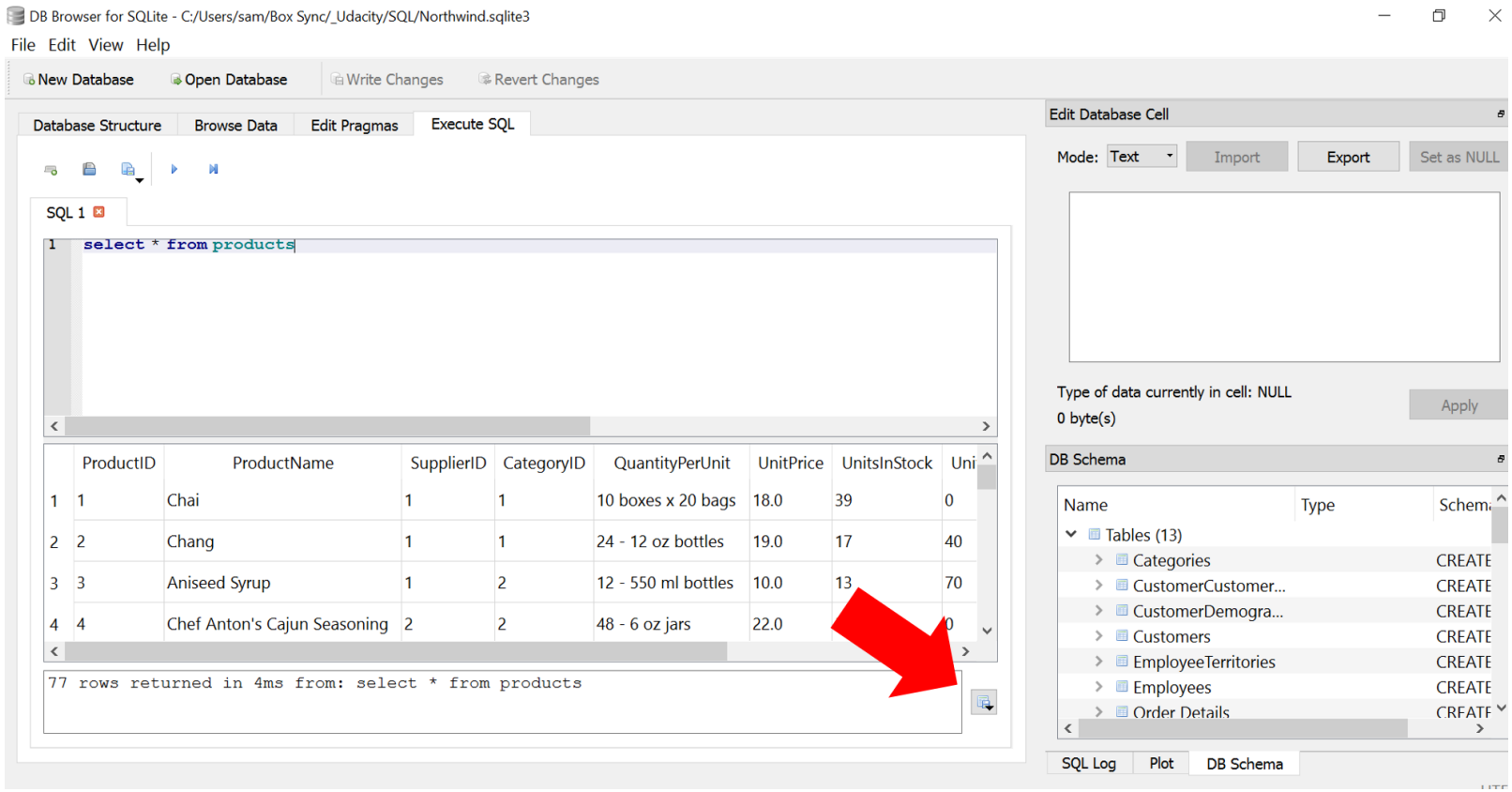


You should have four slides that are similar to the below submission, but the questions you ask are up to you, and all four of your final submitted queries should contain a **JOIN** and **AGGREGATION**. Look at the **Rubric** to verify you have met all of necessities for this submission.

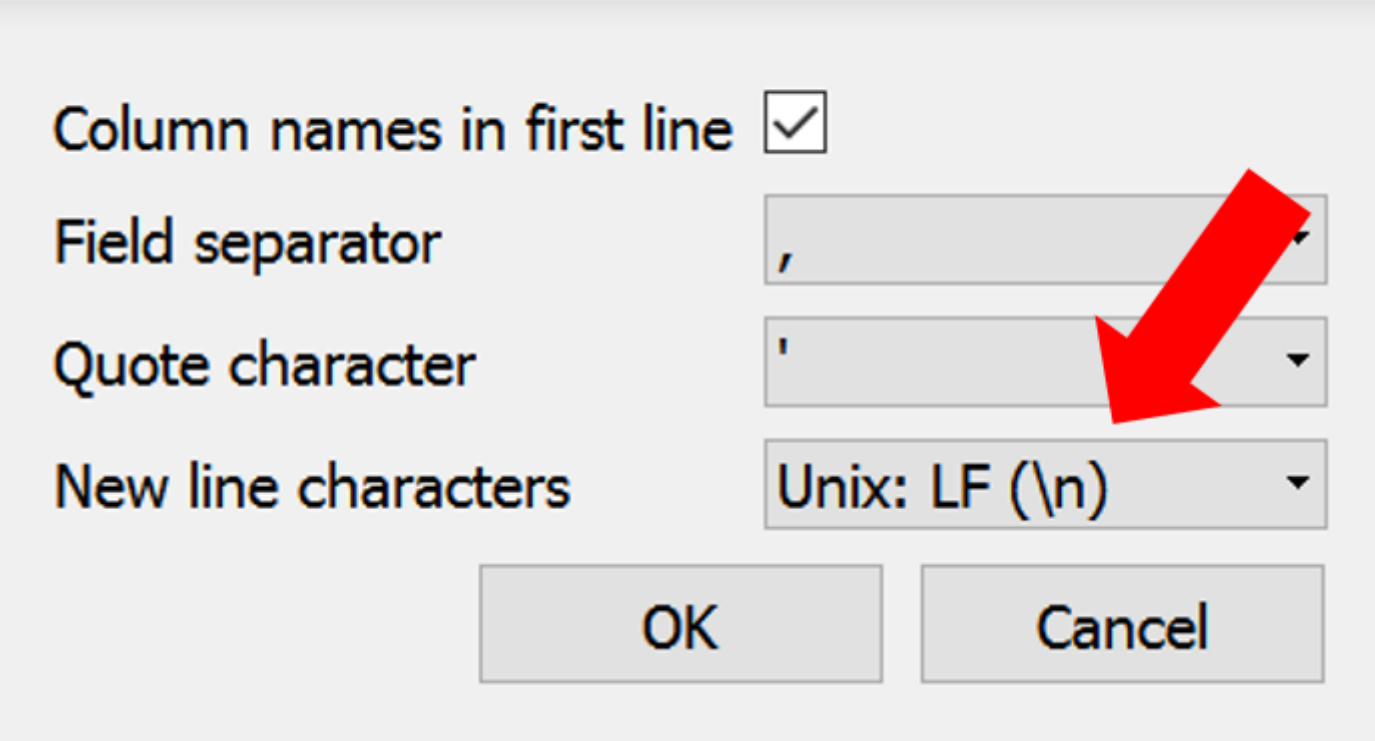
SUBMISSION SLIDE EXAMPLE

window. Below shows you how you can export your data to a spreadsheet software.

In order to create the visualizations like those shown in the link above, you will need to move your data out of SQL and into Excel (or another spreadsheet application).



Select Export to CSV, and then select the settings that match the ones below. Make sure your setting on **New line characters** is set to `Unix: LF(\n)` .



Additional Guidelines

- There shouldn't be any additional data prep (sorting, filtering, renaming, etc.) between the query output and the visualization.
- All your four queries must include at least one join and an aggregation.
- Review your project against the project **Rubric**. Reviewers will use this to evaluate your work.
- The first part of this project is aimed at helping you understand the database, so you can ask interesting questions in the second part. Feel free to use and expand upon the queries you wrote in the first part.
- Once you've finished your project, submit the presentation as a PDF and the queries as a .txt file.

In order to review your presentation, you will need to save your slides as a PDF. You can do this from within Google Slides by selecting **File > Download as > PDF Document**.

Supporting Materials

SQL Project Submission Template

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