

2023 Data Camp Using SQL Q&A

1. **Dashboard Editor and structured query language (SQL) Editor is not available yet - when will it be made available to users? Do we need to make a service request to get Databricks (DBX) SQL Editor functionality enabled?**

A - That SQL menu capability has not been enabled for all users yet. We are currently working on rolling that out. As part of that capability, not only are we going to enable users to get to that SQL menu to build the SQL queries, but it will also enable connecting your SAS workloads and jobs to the Databricks platform.

We are currently in testing, and we will reach out to users soon with a timeline as soon as we learn more.

2. **Where are the visualizations getting saved?**

A - The visualizations are saved alongside the queries in your Databricks Workspace. They can be accessed and edited the same way you access and edit your queries.

3. **Can you remove the values between the years on the bar chart? (example 2010.5)**

The parameter value will apply to all visualizations in the dashboard that are reusing that particular dashboard parameter.

4. **Can you add dashboard-wide filters?**

A - Yes. This is the default behavior for visualizations that are added to a dashboard. The parameter value will apply to all visualizations in the dashboard that are reusing that particular dashboard parameter. More information can be found on the [DBX website](#).

5. **For dashboards, can you automate portable document format (PDF) production with a set of parameter selections, e.g., PDF 1 has parameter setting 1, PDF 2 has parameter setting 2, etc.**

A - This could be done through leveraging some of our back-end Application Programming Interface (APIs). You can automatically set those parameters and then export the PDF based off the parameters. You can manually go into the user interface (UI), and you can set your parameter, export the PDF, and then set the parameters for setting two, and export the PDF.

6. **What are the pros and cons of using the SQL editor for versus SQL on Spark within the notebook for our current configuration?**

A - The main pro to highlight is the editor itself. Typically, we would point to the engine by default. The SQL editor uses the photon engine, but you can also leverage that same photon engine inside of a notebook.

Another benefit would be the cost. While you get everything if it is enabled, and it will be enabled for you shortly. The queries that are run inside the SQL warehouses, which is the backend, then compute for the SQL editor are charged at a slightly lower cost. If you are doing just pure ad hoc SQL development, you want to do that inside of the SQL editor. If you are doing interactive development that requires some SQL, some Python, some R, then you will do that inside of a notebook and if you are scheduling a job, whether that SQL query or Python you will probably just run that as a job.

7. **Can you build a dashboard from several separate queries, or is each dashboard only tied to one query.**

A - Yes, you can combine multiple queries, multiple visualizations, and add each of those to a dashboard.

8. **Is it possible to speak briefly to the data profiling capability of Databricks? I have found it to be an extremely powerful ability that I foresee many data scientists utilizing when performing exploratory data analysis.**

A - It is a useful tool to be able to look at how your data is distributed, and to see if there are any issues or gaps. Beyond that, it is also useful to have that data saved. Once you get to the data profile menu, you can also save it as well and it is exportable.

9. **Is it possible to add together visualizations based on different tables on one dashboard?**

A - Absolutely. You can add together different visualizations based on different tables.