

OVERVIEW

Our world census report is the foundation for the dashboard we're building. We utilized Looker to develop the dashboard to create a census report, which required multiple processes. Looker is a business intelligence and data visualization tool that lets you design dashboards to show the data, connect to other data sources, and create data models. This is a summary of the procedure:

1. **Data Connection and Modeling:**

- Using Bigquery to access datasets and connecting Looker to your data source.
- To construct a cohesive data model, define associations between various tables using LookML, Looker's modeling language.

2. **Explore and Build Queries:**

- Writing queries and examining the data using Looker's Explore function.
- To produce insightful data, choosing the relevant fields, applying filters, and compiling the information.

3. **Creating Visualizations:**

- Using Looker's drag-and-drop interface, creating visualizations (charts, graphs, and tables) once the necessary data has been extracted.
- Selecting the right kinds of visualizations depending on the information you wish to convey and the data.

4. **Building the Dashboard:**

- Consolidating several visualizations into a dashboard.
- Organizing the visuals logically to create a flow that facilitates a thorough understanding of the census data.

5. **Customizing and Formatting:**

- To make the dashboard aesthetically pleasing and simple to read, personalizing its appearance by choosing color schemes, typefaces, and other visual components.
- To give context and an explanation of the data, including titles, descriptions, and labels.

6. **Implementing Filters and Interactivity:**

- Adding parameters and filters to the dashboard so that users can dynamically interact with the data.
- Enabling drill-down features so that users can click on visualizations to examine particular details.

7. **Sharing and Collaboration:**

- When the dashboard is prepared, distributing it to the appropriate teams or stakeholders in your company. You can also share content from Looker using scheduled email reports, embedded dashboards, or direct links.

8. **Monitoring and Iteration:**

- Keeping an eye on the dashboard's usage and feedback to gauge its efficacy.
- Refining and iterating in response to user input or modifications to the data specifications.

Looker's user-friendly interface and adaptable data visualization capabilities can assist you in developing an extensive and perceptive dashboard for your census report during this process. The data will be heavily influenced by the familiarity with the data structure and the particular requirements of the census report.