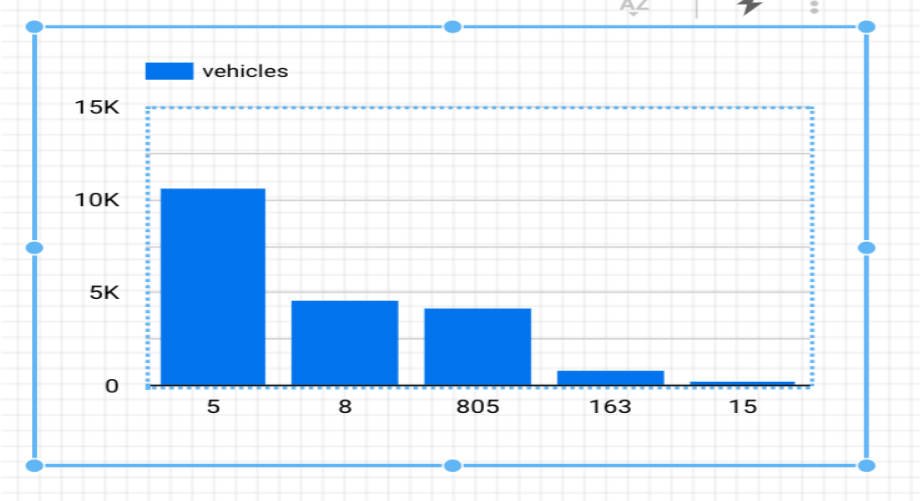# Lab Streaming Data Processing: Streaming Analytics and Dashboards

Add data to google data studio

➤ Open google data studio ([Google Data Studio](#))
➤ add report
➤ **Add data to report**
➤ **Google Connectors**
➤ **BigQuery** (**AUTHORIZE**)
➤ my projects
➤ project myproject
➤ dataset demo
➤ table current_conditions > **ADD TO REPORT**

Creating chart

➤ from the **Add a chart** menu select the first **Bar chart**.
➤ In the **Bar chart** properties window, on the **Data** tab, notice the value for **Data Source** (**current_conditions**) and the default values for **Dimension** and **Metric**.
➤ If **Dimension** is not set to **highway**, then change **Dimension** to **highway**. In the **Dimension** section, click the existing dimension and in the **Dimension picker**, select **highway**.
➤ In the **Metric** section, click **Add metric** and add **latitude**.
➤ In the **Metric** section, mouse over **Record Count** and click the **(x)** to remove it.
➤ In the **Metric** section, click **Add metric** and add **sensorId**.
➤ Click on sensorid and change properties name: vehicles and aggregation : count
➤ remove **latitude** from metric.
➤ **STYLE** tab
➤ **Bar chart** section **Show data labels**

Creating a chart using a custom query

1.From the **Add a chart** menu select the first **Bar chart**.
2.In the **Bar chart** properties window, on the **Data** tab, notice the value for **Data Source** (current_conditions) and the default values for Dimension and Metric are the same as the previous chart. In the **Data Source** section, click on the **current_conditions** data source. At the bottom of the pane choose **ADD DATA**.

3. Under **Google Connectors**, select **BigQuery**.
4.Select **CUSTOM QUERY** in the first grouping.
5.For **Billing Project**, select your project.
6.Type the following in the **Enter custom query** window and replace the <PROJECTID> with your Project ID.