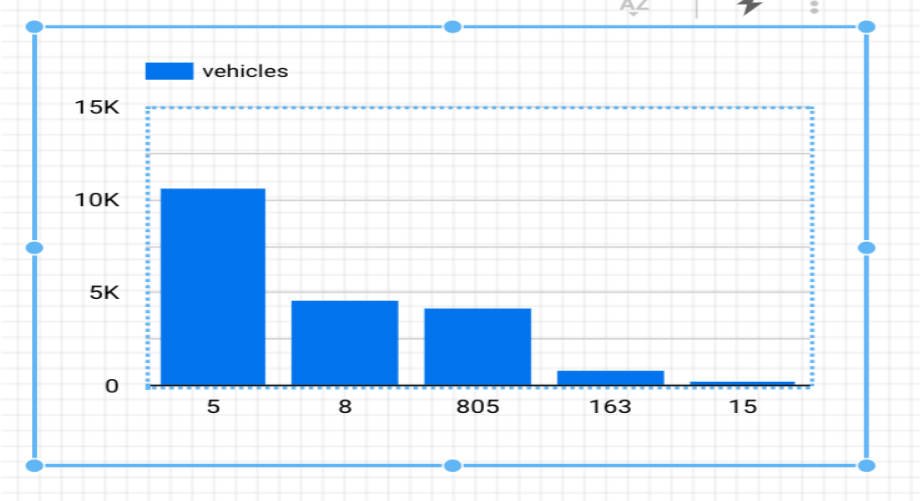


# Lab Streaming Data Processing: Streaming Analytics and Dashboards

# 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**

**Chart** > Bar

**DATA** | **STYLE**

**Data source**: current\_conditions

**BLEND DATA**

**Date Range Dimension**: timestamp (Date)

**Dimension**: highway

**Drill down**: ☐

**Breakdown Dimension**:

**Metric**: SUM latitude

**Add metric**:

**Optional metrics**: ☐

**Metric sliders**: ☐

**Available Fields**

Type to search

- direction
- highway
- lane
- latitude
- longitude
- sensorId
- speed
- timestamp
- Record Count

**Metric**

CTD sensorId

SUM latitude

**Optional metrics**: ☐

## 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.

