

Milestone 4 due Friday, 10/05.

1. Write aggregate queries that involve the tables in `dataset1`:
  - You should end up with 5 queries with at least one aggregation per query.
  - At least 2 of the queries must also use a `group by` clause.
  - Copy the SQL into a `aggregate-queries.sql` file.
  - Add a short comment above each SQL statement to describe the query. Comments should begin with a `--` (e.g. `--this is a legal comment in SQL`).
  
2. Create data visualizations:
  - Choose your 3 most interesting queries to-date (spanning Milestones 2 - 4).
  - Create a BQ view for each query.
  - Open [Data Studio](#)
  - Create a Data Source in Data Studio that accesses each view.
  - Create a chart in Data Studio that visualizes the data in a compelling way.
  - Add the 3 charts to a Data Studio report / dashboard.
  - Take a screenshot of your dashboard and save it as `dashboard-v1.png`.

CS 327E Milestone 4 Rubric

**Due Date: 10/05/18**

<p>Create data visualizations for your datasets and save them in <code>dashboard-v1.png</code></p> <p>The image should contain 3 charts made from Data Studio, with a relevant title for each one describing the dataset.</p> <p><b>-50</b> <code>./dashboard-v1.png</code> not found in repository  <b>-20</b> each missing chart, up to <b>-50</b>  <b>-10</b> each missing title, up to <b>-30</b></p>	<p>50</p>
<p>Create a file <code>aggregate-queries.sql</code> containing 5 queries involving aggregation. Two should involve the use of a <code>GROUP BY</code> clause. Each SQL query should be preceded by a comment describing its function.</p> <p><b>-50</b> <code>./aggregate-queries.sql</code> not found in repository  <b>-10</b> each missing aggregate statement, up to <b>-50</b>  <b>-5</b> each missing or incorrect comment, up to <b>-25</b>  <b>-10</b> each missing <code>GROUP BY</code> clause, up to <b>-20</b></p>	<p>50</p>
<p><code>submission.json</code> submitted into Canvas. Your project <b>will not</b> be graded without this submission. The file should have the following schema:</p> <pre>{   "commit-id": "your most recent commit ID from Github",   "project-id": "your project ID from GCP" }</pre> <p>Example:</p> <pre>{   "commit-id": "dab96492ac7d906368ac9c7a17cb0dbd670923d9",   "project-id": "some-project-id" }</pre>	<p>Required</p>
<p><b>Total Credit:</b></p>	<p><b>100</b></p>