

CS 327E Milestone 8 due Sunday, 04/05.

1. Practice writing SQL queries with subqueries:

- Open your Jupyter notebook named `<source>_analysis.ipynb` where `<source>` is the source of your `dataset1`.
- Write **4** queries with at least 1 subquery per query.
- At least 1 query must use an aggregate function.
- At least 2 queries must use a `JOIN` clause.
- At least 2 queries must use a `WHERE` clause.
- At least 2 queries must use an `ORDER BY` clause.
- Add a short Markdown comment above each SQL statement to describe the function of the query.

3. Create data visualizations:

- Choose **1** of your most interesting subquery queries.
- Create a database view for it from your `<source>_analysis.ipynb` notebook. The view must have a descriptive name and a prefix of `v_` (e.g. `v_Highest_Nominated_Movies`).
- Open [Data Studio](#)
- Create a Data Source that accesses this view.
- Create a chart in Data Studio that visualizes the data in a compelling way.
- Add this chart to your existing Data Studio report (aka dashboard).
- Download your report as a PDF file and save it as `dashboard-v2.pdf`.

CS 327E Milestone 8 Rubric

Due Date: 04/05/20

<p>Create a Jupyter notebook containing 4 queries involving subqueries. Two should include the use of a JOIN and WHERE clause. Each SQL query should be preceded by a Markdown comment describing its function.</p> <ul style="list-style-type: none"> -60 <code>./<source>_analysis.ipynb</code> not found in repository -15 each missing subquery statement, up to -60 -10 missing aggregate function -10 each missing JOIN clause of the 2, up to -20 -10 each missing WHERE clause of the 2, up to -20 -10 each missing ORDER BY clause of the 2, up to -20 -5 each missing or incorrect comment, up to -20 	60
<p>Create one data visualization and add it to your existing Data Studio report. The visualization should represent the results from a BQ view.</p> <p>The Data Studio report should contain a total of 3 charts, 2 from Milestone 7 and 1 from the current milestone, with a relevant title for each one describing the dataset.</p> <ul style="list-style-type: none"> -40 <code>./dashboard-v2.pdf</code> not found in repository -10 each missing chart, up to -30 -10 each chart created from a BQ table instead of a BQ view, up to -30 -5 each missing title, up to -15 	40
<p><code>submission.json</code> submitted into Canvas. Your project will not 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>	Required
<p>Total Credit:</p>	100