Final Project: Milestone #4

CIS 9440 - Data Warehousing for Analytics
Final Project Milestone 4
Group Number: Group 5
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For Project Milestone #4, you/your project group will design and develop a Business Intelligence Application(s) to display your Project KPIs. To accomplish this, you/your project group will complete the following:

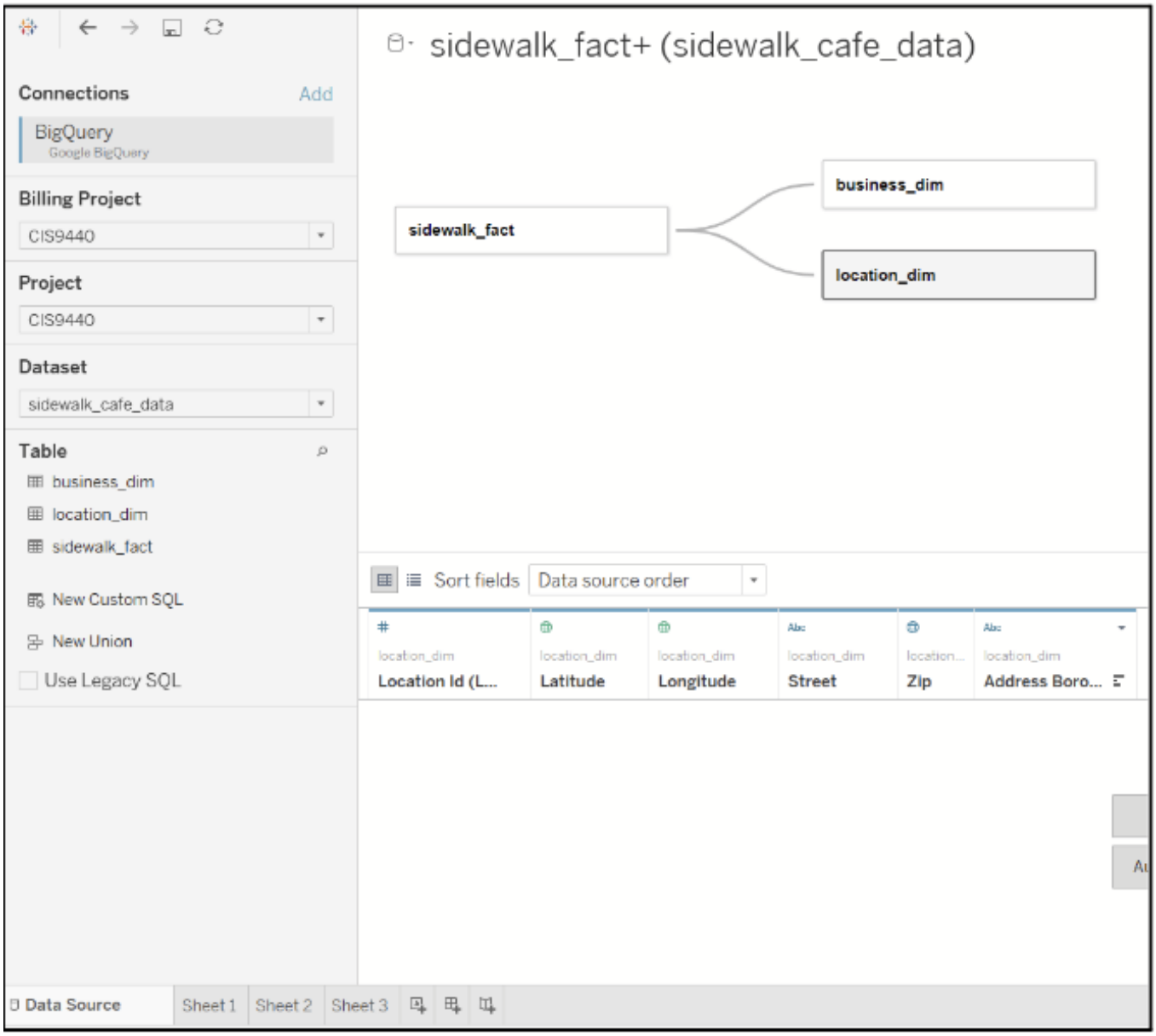
1. From your current KPI's, choose and list the most important 5 KPI's from you will deliver with a BI Application(s). (You may have more than 5, but a maximum of 8)

2. Choose the best type of Visualization for each of your selected KPI's. (example: bar chart, histogram, map, bubble chart, etc.)

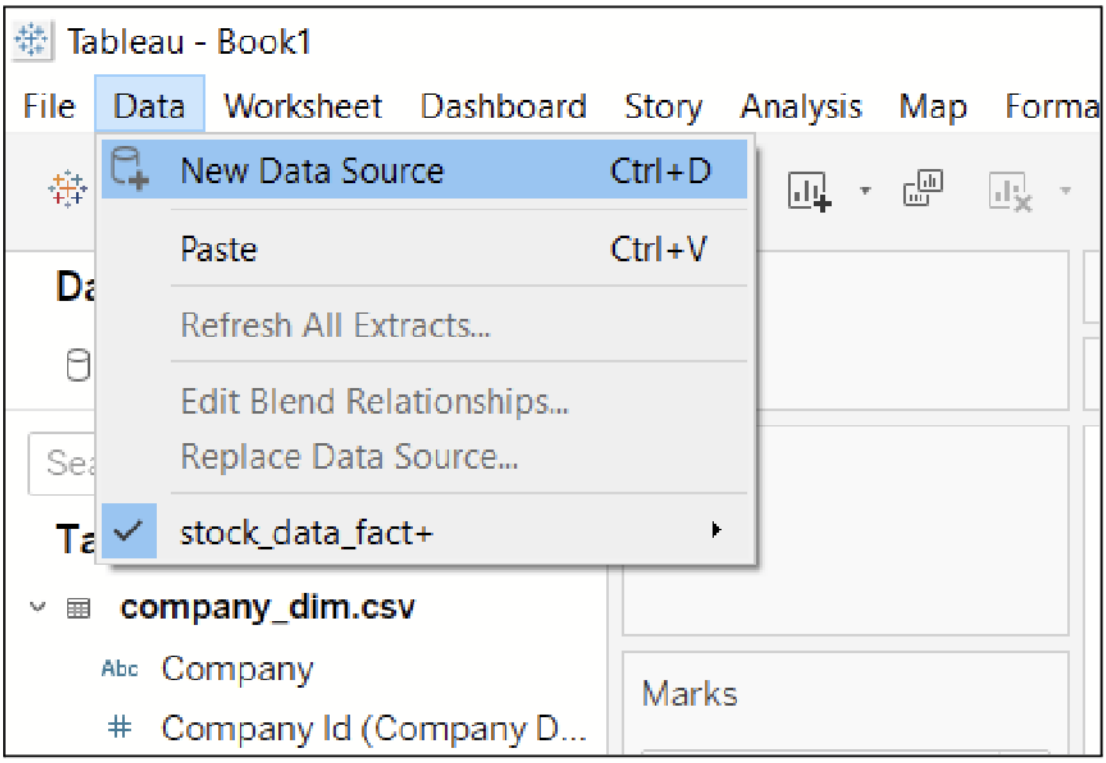
3. Create a BI Application Wireframe design (page 364 in Business Intelligence Guidebook) of a Dashboard(s) to display the chosen KPI's. Note, you may design and create multiple dashboards if needed. (example: you could have 3 KPI's on 1 Dashboard, 1 KPI on a Report, and 1 KPI on a scorecard. You choose the best way to display your KPI's)

4. Connect your Facts and Dimensions from **BigQuery to Tableau**, take a screenshot of your "Data Source" tab in Tableau after connecting.

Example:



a. Important note: If you have multiple Fact Tables that **do not have any Conformed Dimensions**, you will need to create a "Data Source" for each Fact table. To create a new Data Source, click "Data -> New Data Source" after connecting your first data source and while on a worksheet tab in Tableau. Each Fact Table without a Conformed Dimension (data source) will still have to connect to the associated DimensionsImage below:



5. Develop each visualization of your Dashboard in a Tableau Worksheet. Make sure to appropriately name each worksheet to easily identify its intended purpose.

6. Put all your worksheets together on a Tableau Dashboard(s). Save your work.

7. Create a "Data Extract" of your data. To do this, select "Data -> hover over data source -> Extract Data"

8. Publish your Dashboard(s) to Tableau Public. You will need to create a (free) Tableau Public account if you do not already have one.

9. **To submit this Milestone #4**, please complete and submit the following template: link