Project Technical Requirements:

For this project, we have model, design, and implemented an objectoriented
Charting Dashboard for data analytics and visualization fordatasets in a health industry.

This Object-Oriented Dashboard is modelled and designed using UML, and implemented using JavaScript and Java, use of Freeware Charting Libraries, tested on Firefox and Chrome platforms.

Dashboard GUI capabilities:
1. The ability to select a Dataset from a list of datasets in certaincategory; at least 5 datasets must be present for selection andtesting in your final submission
2. Datasets to be read from a data file in CSV or JSON format
3. The selected dataset must be displayed as a table in the browser(Firefox or Chrome)
4. The User must be able to graph/plot the data on the Dashboard inone/many of the following chart types: Line, Bar, Pie, Stacked, Pivot
5. The user must be able select/deselect Columns forinclusion/exclusion of data from the dataset for Charting theselected data
6. The user must be able select/deselect Columns forinclusion/exclusion of selected data from the dataset for charting
7. The user must be able to filter Rows for inclusion/exclusion of thedata from the dataset for charting
8. The user must be able to plot/chart basic stat data, for example,min, max, average, count, standard deviation, etc.
9. The user must be able to create and plot/chart complex analyticalqueries based on the column names and values for a given dataset.

Project Deliverables:

1. Requirements and Design document has the following
   - Brief project overview statement.
   - Requirements/Features List (All Requirements and Featuresmust be numbered)
   - Use Cases and Use Case Diagram
   - Activity Diagrams
   - Sequence Diagrams
   - Domain Model Class Diagram
   - Design Model Class Diagram
   - Documentation and class diagrams for Design Patterns used.

2. Source Code

3. Output report that has ALL captured screen-shots of your project run saved in OUTPUT.pdf

4. Video recording of 10 minutes as a demo for the run of your project using https://screencast-o-matic.com/Sdfs