CSE 6331 Cloud Computing (1)
Summer 2019, © DL, UTA, 2019

Programming Assignment 4
Data Visualization

Cloud Assignment 4 – MicroSoft Azure

Description:
It is difficult to find meaning in large volumes of "textual" output, most users prefer pictures: graphs, pie charts, etc.
Various mechanisms for visualizing data within a browser, which are "light weight" and require no plugins, or additional (local) downloads support showing results which are easy to read and understand.
(Free) supporting tools and libraries include:

Javascript:
d3js.org
InfoVis: philogb.github.io/jit/demos.html
js.cytoscape.org
Other:
developers.google.com/chart/
www.highcharts.com (HTML5)

Your assignment is to visualize and display the results from your previous assignment within a browser, allow a user to select intervals or attributes in a data set, show results as a pie chart, a histogram, or a scatter or point chart (possibly connected: a line).

Using those SQL tables to do queries, rather than display the results as text, display as an image (a picture).

Users of this service will interact with your service through web page interfaces, all processing and web service hosting is (of course) cloud based.

Please, submit through Canvas.
All work must be your own, or from a group.

You must submit this lab, working (or partially) by the due date. Your submission subject should clearly state your name and the lab number.
You may (optionally) demonstrate this lab, working (or partially) to the GTA before the due date.
Your program should be well commented and documented, make sure the first few lines of your program contain your name, this course number, and the lab number.
Your comments should reflect your design and issues in your implementation.
Your design and implementation should address error conditions.