Course Project for Data Visualization, Spring 2020

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Submission deadline: 11:59 PM, June 20, 2020 (a hard deadline; will not be extended)

(second option for the course project)

Problem Statement: Assume that we want to propose a 3D-RadViz visualization method, in fact, we want to map the data points from dimension N to the dimension 3 using a similar method like the RadViz. So, you need to connect the N springs to surface of a sphere to map points to inside of that sphere, in order to do so first you need to somehow distribute uniformly the N points on surface of the sphere (a deterministic method is more desirable), then you can obtain formulas for x, y, and z mappings similar to what has been done for RadViz method. Case Studies: Use your proposed method on 24 datasets given in the following link: http://archive.ics.uci.edu/ml/index.php

Deliverables:

1) Detailed explanation of proposed visualization scheme(s) as a .pdf file. Analyzing advantages, disadvantages, and limitations of the proposed schemes.
2) Developed code with results of mentioned 24 test cases.
3) Readme.txt file to explain how to run the code.