Elucidata Data Analyst Assignment-1

Assignment based on Network integration of parallel metabolic and transcriptional data research paper

Please read the attached paper. Focus on the broad results rather than the details. There are many details and it would be easy to get lost.

Use this webapp to do the assignment. The webapp has example data set. Please use that for the assignment.

Assume that the data mentioned in the paper is the same as the example data present in the webapp.

Solve the following problems:

1. Identify what are the edges and nodes. Explain the color and size of nodes and edges.
2. Create maps showing the modules that have been mentioned in the paper.
3. Play around with the parameters to create different maps. Try to interpret why the maps change in size and topology.

Bonus question: It would be good if you can solve it!

The algorithm tries to find areas in the maps which have changed the most between two states. Suggest another problem where this could be domain. The problem can be from any domain.