Project

ON

Social Network Analysis

Submitted in Partial Fulfillment for the Course

Of

Fundamentals of Database Management Systems

In Term-3

For

Academic Session 2022

Submitted by:

Group 04: BDA-02

Sonansh Gaur(025025)

Gitika Jain(025044)

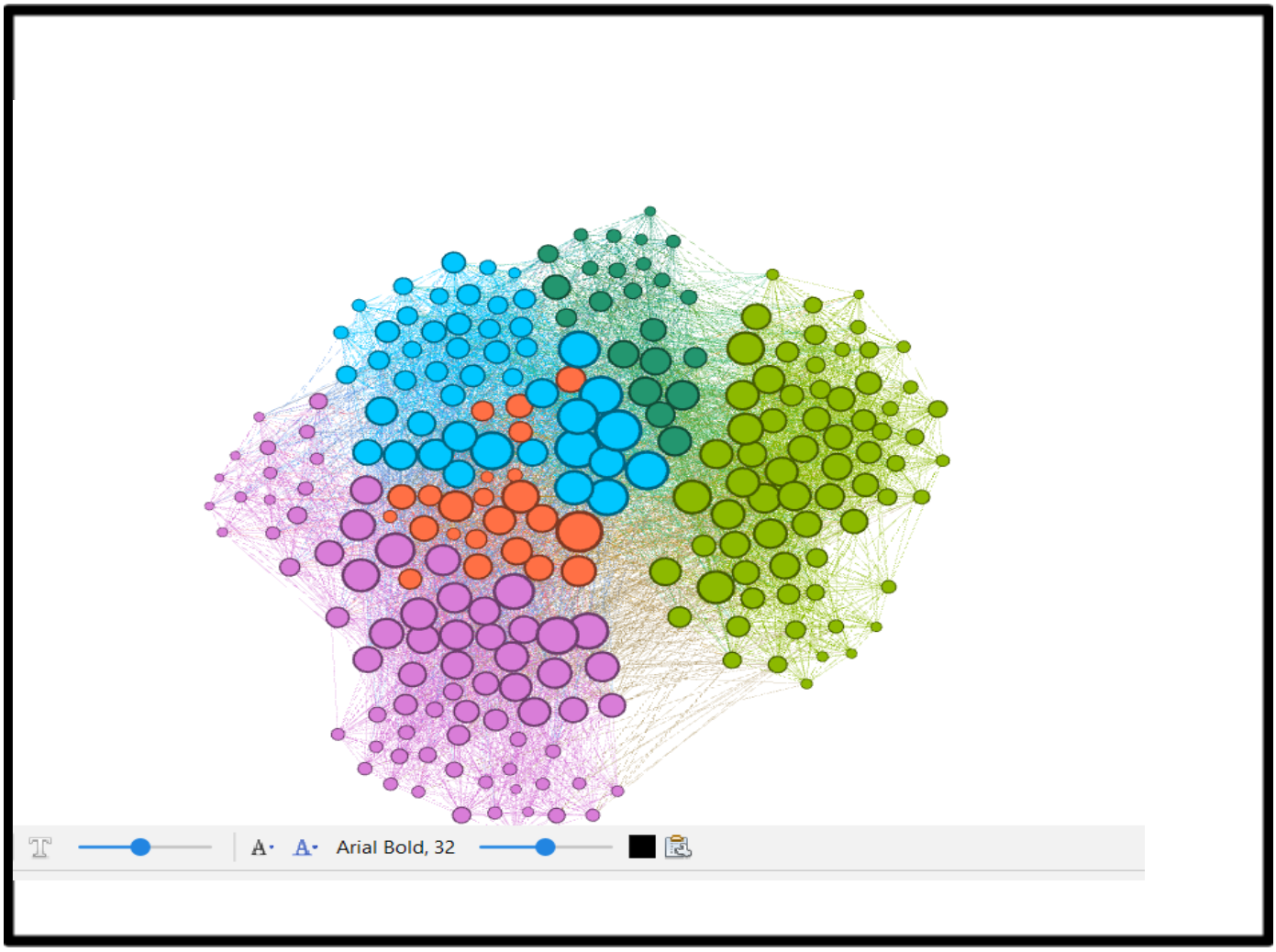
Mebal Chaudary(025050)

Submitted to:

Prof. Ashok K Harnal

DATASET: Primary school – cumulative networks

This dataset is from our research on contact networks in primary schools, which was published in the paper High-Resolution Measurements of Face-to-Face Contact Patterns in a Primary School. Two weighted networks of face-to-face closeness between students and teachers make up the dataset. A daily contact network is supplied for each day of the research, with nodes representing persons and edges representing face-to-face contacts. Nodes contain two attributes: classname, which identifies the relevant individual's school class and grade, and gender. The "Teachers" class contains all of the teachers.Edges between A and B have two weights: duration and count. Duration is the amount of time A and B spent in face-to-face proximity over the course of one day, measured in seconds (multiples of 20 seconds); count is the number of times A and B made contact throughout the school day. The networks are given as two GEXF files, one for each day of the research, that may be put into Gephi directly.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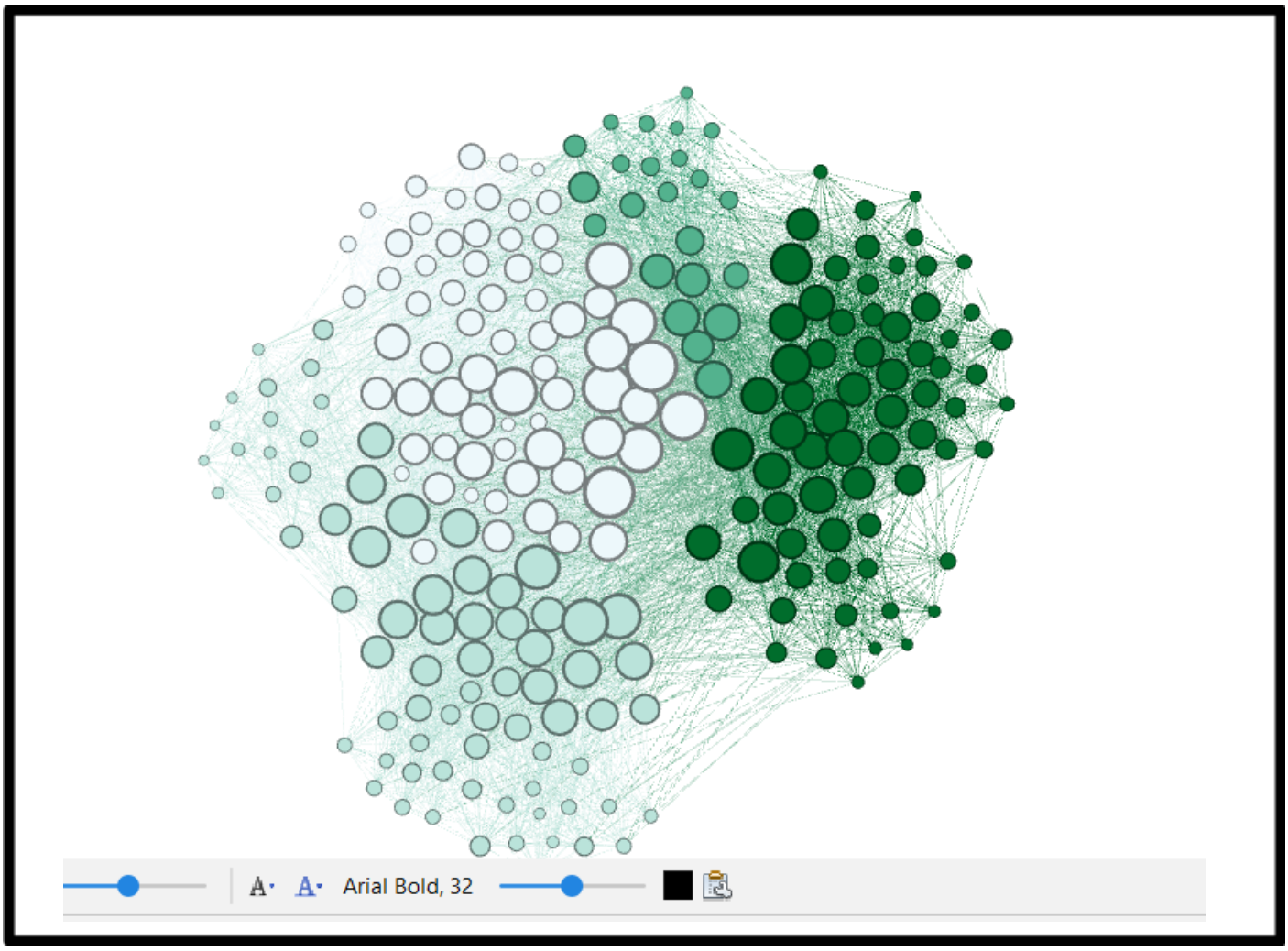
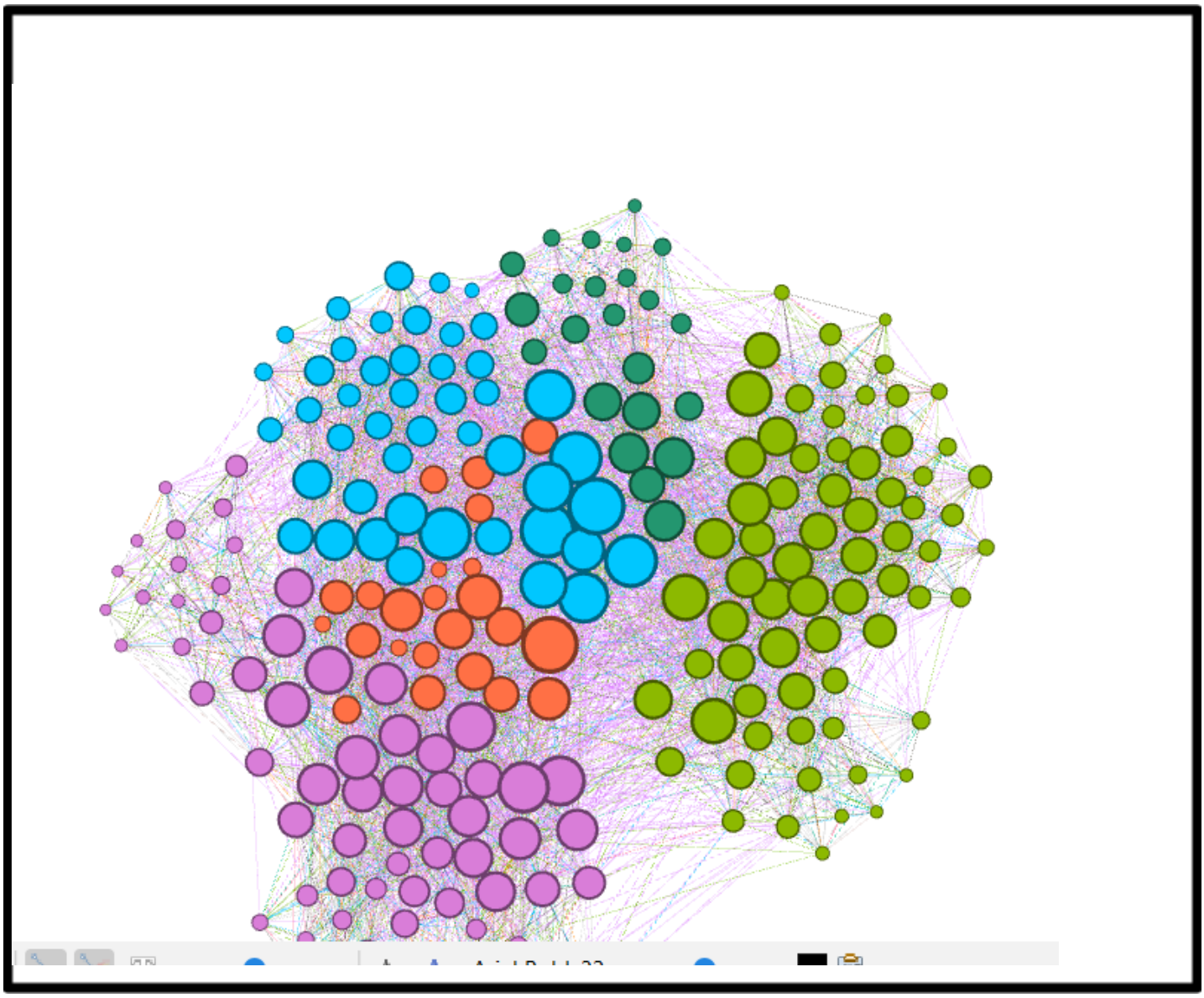
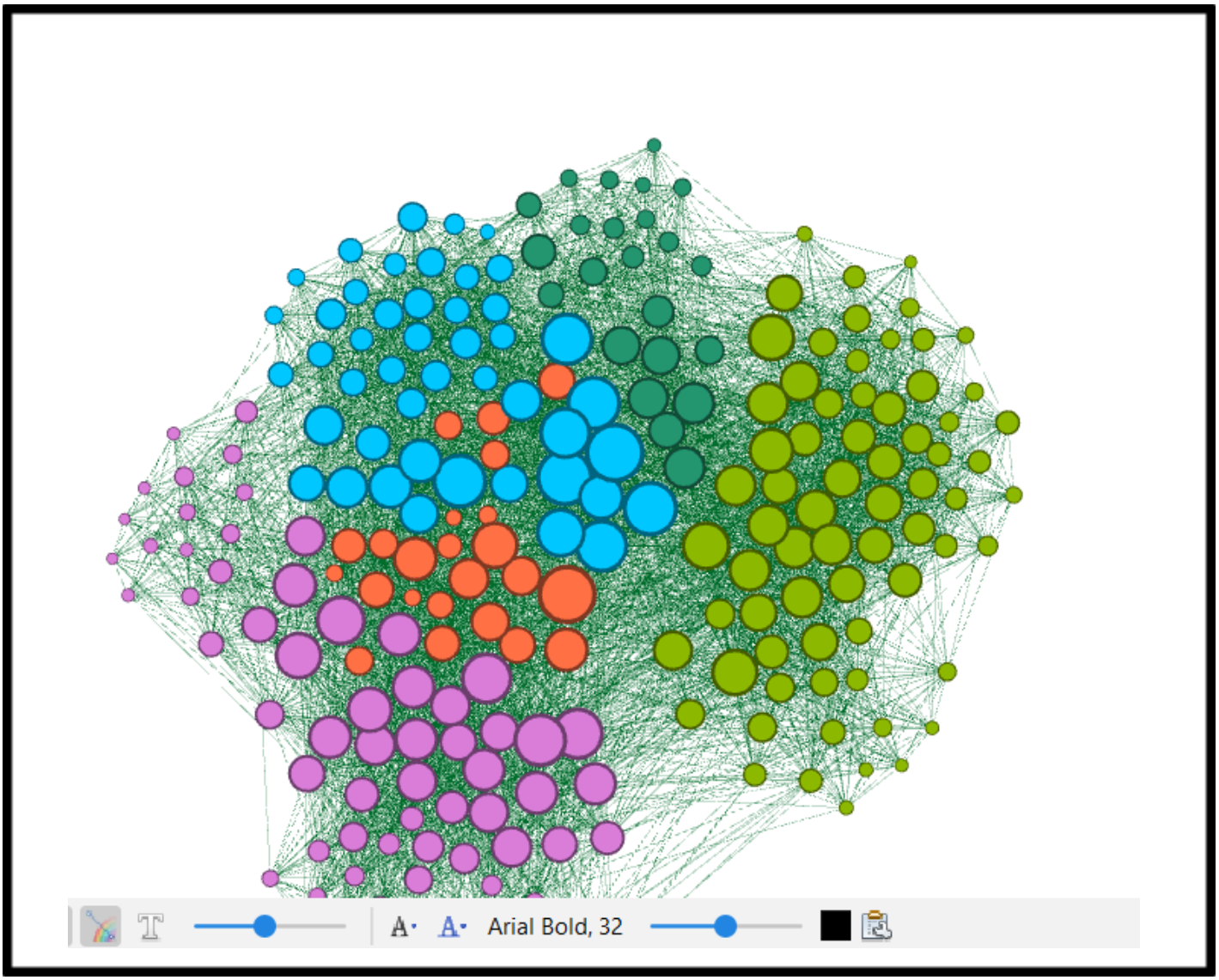


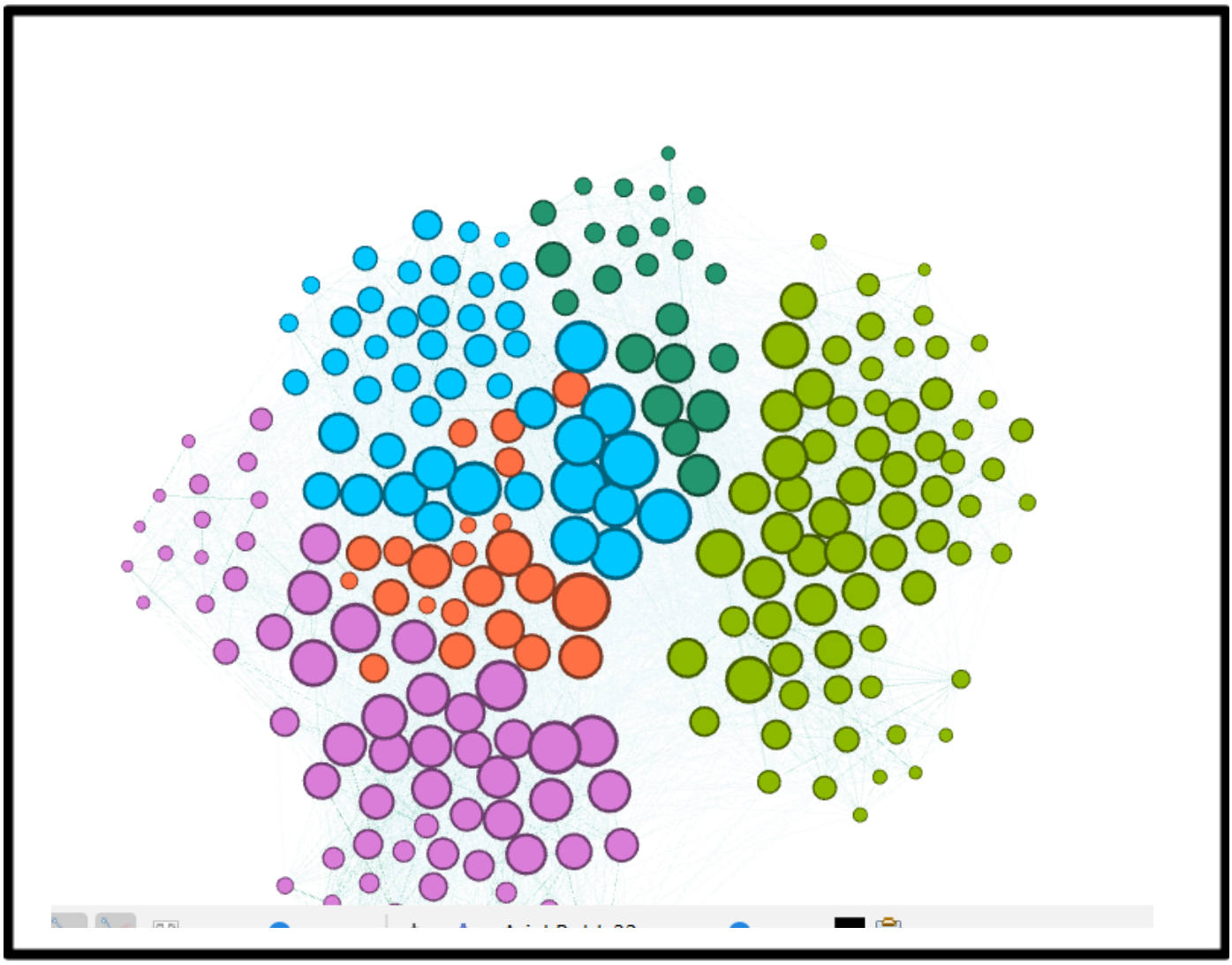
Modularity Class in Ranking



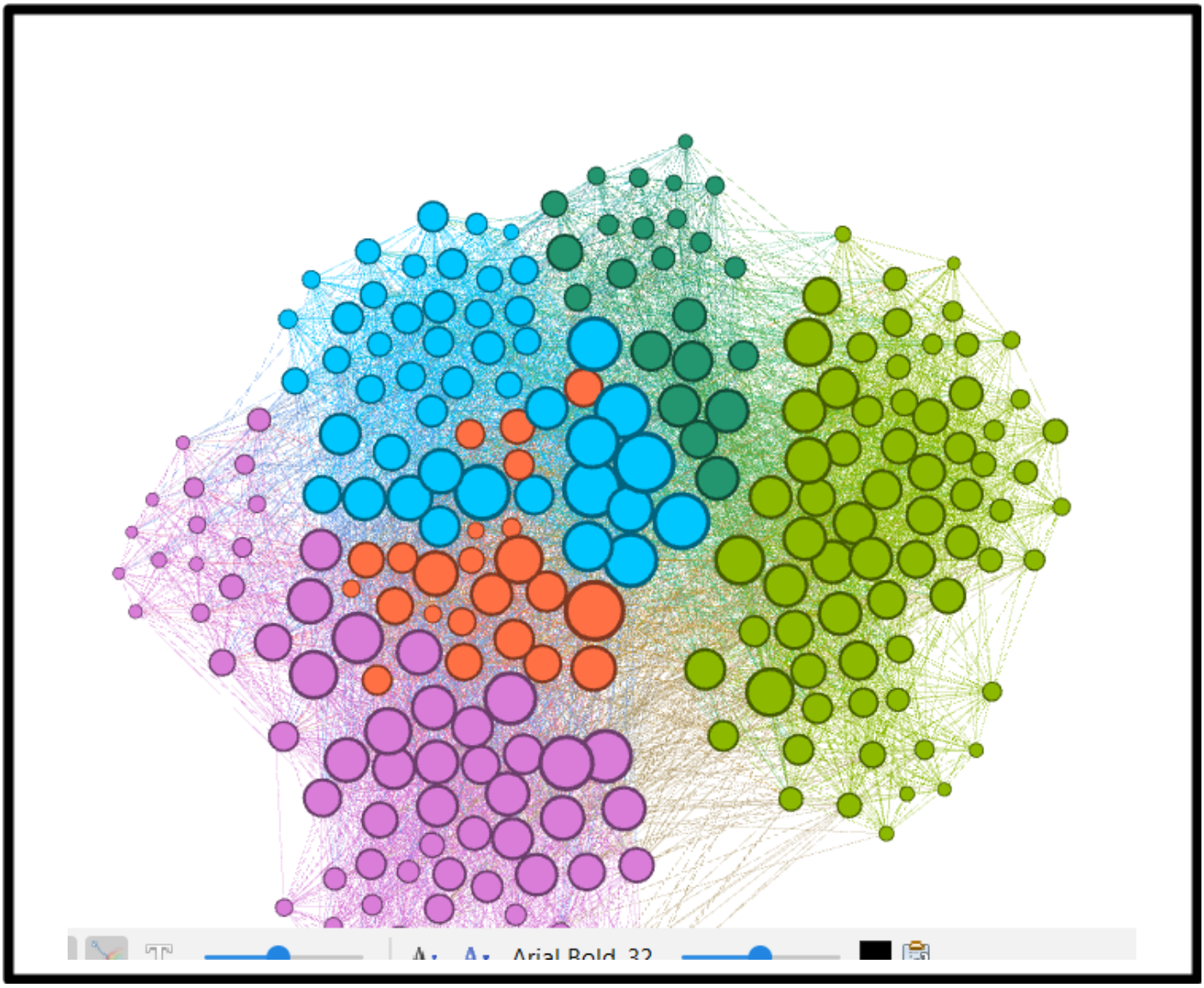
Edges Partition Count



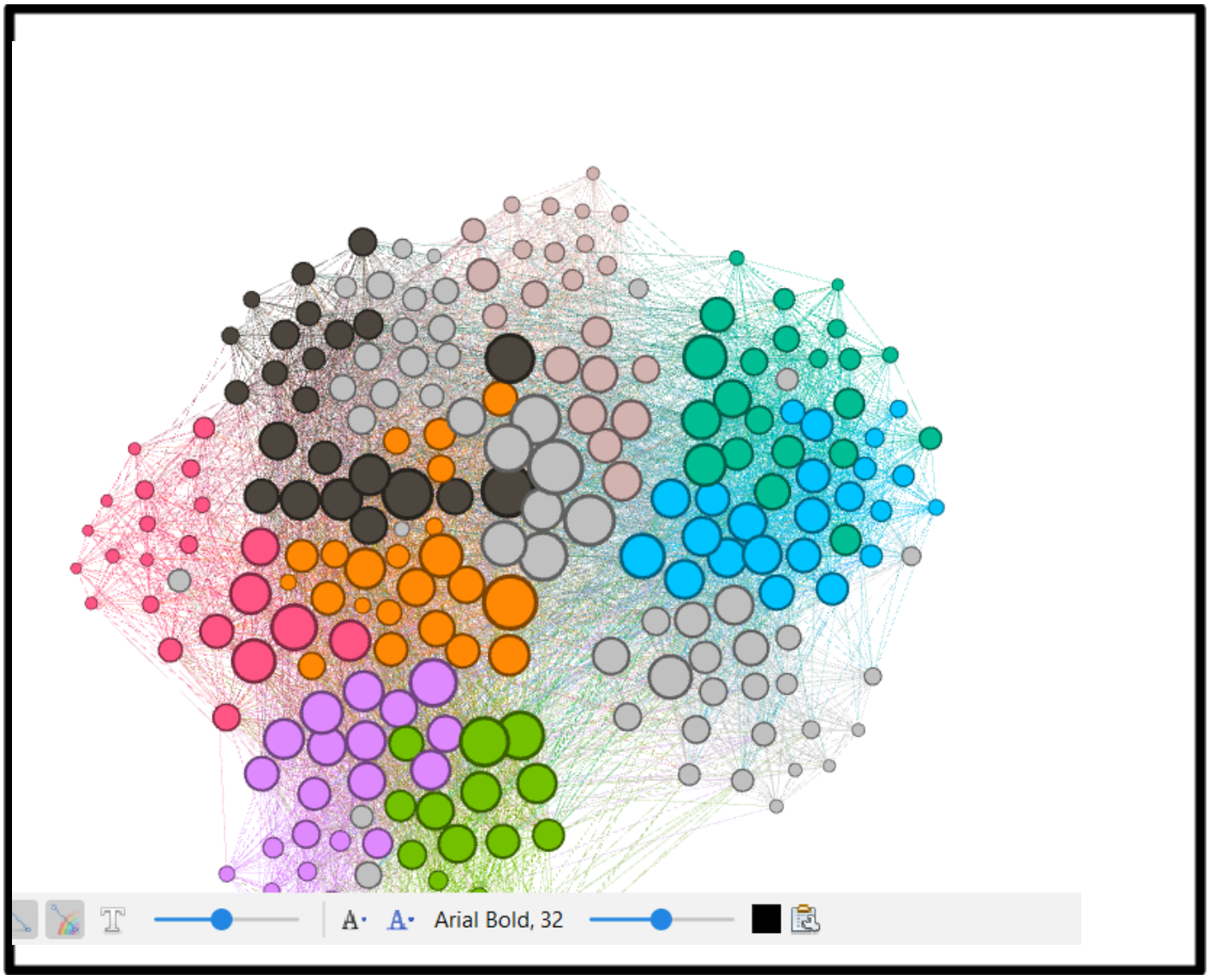
Edges Ranking Weight



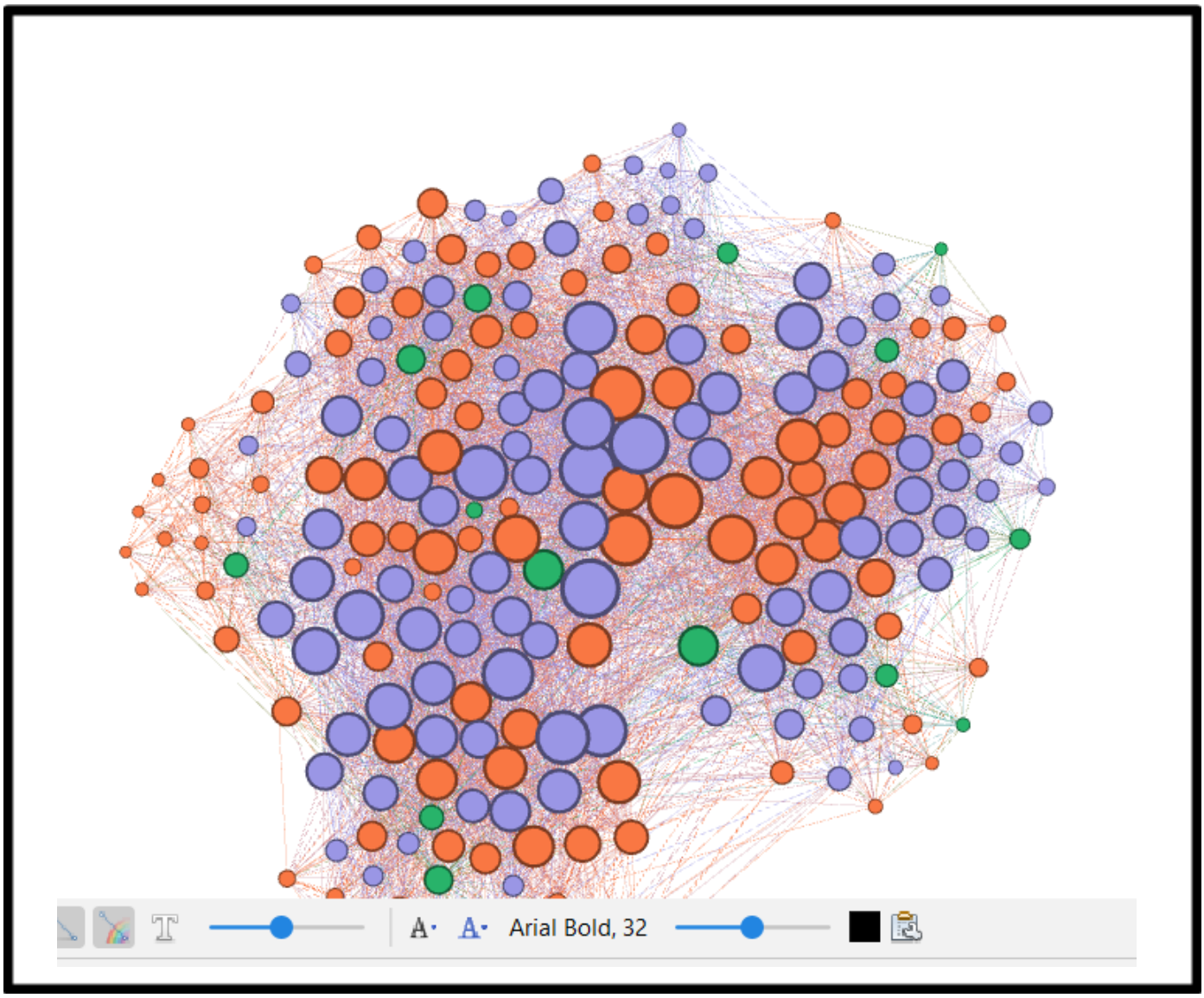
Edges Ranking Count



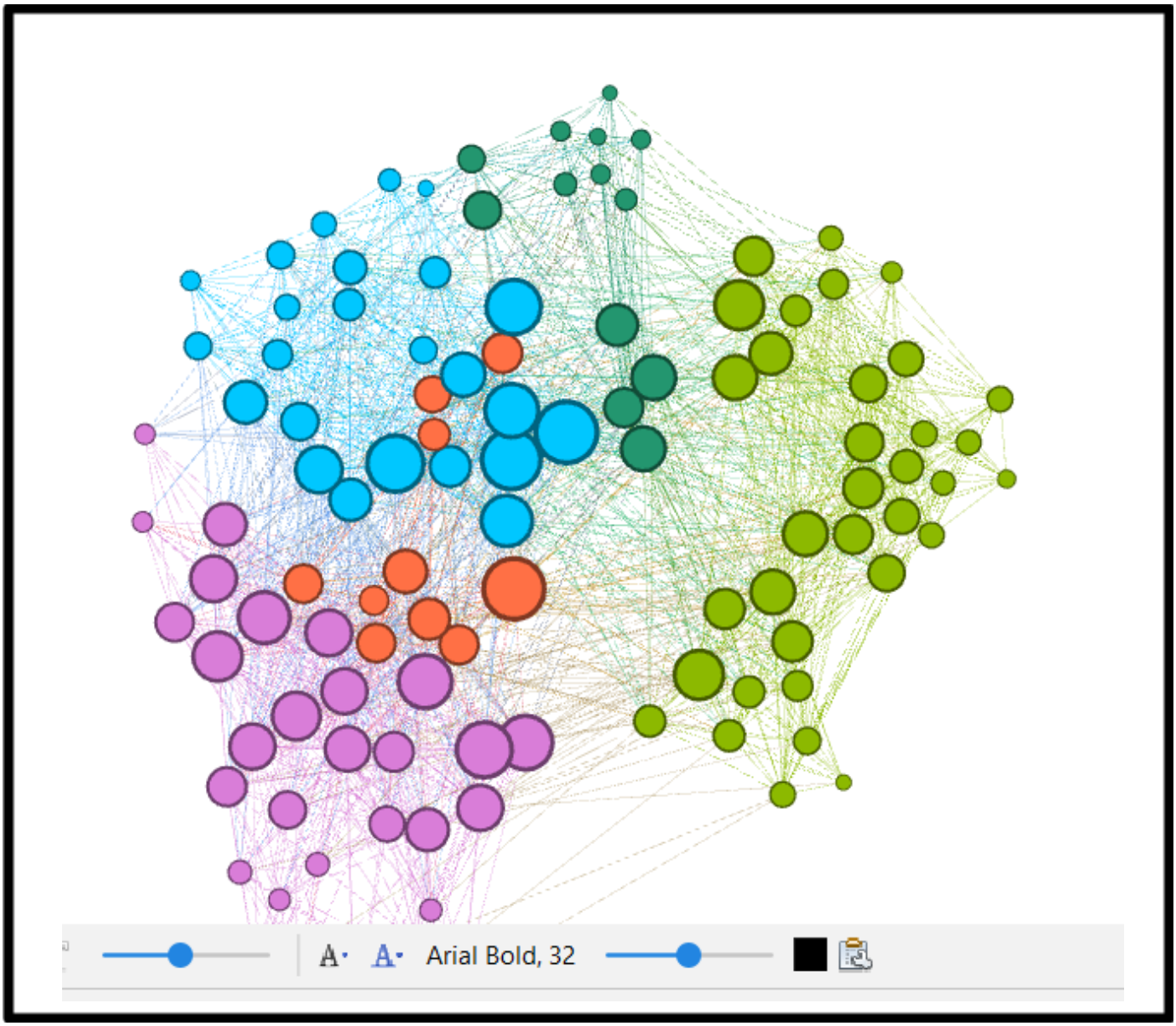
Very minor changes in edge through edge weight



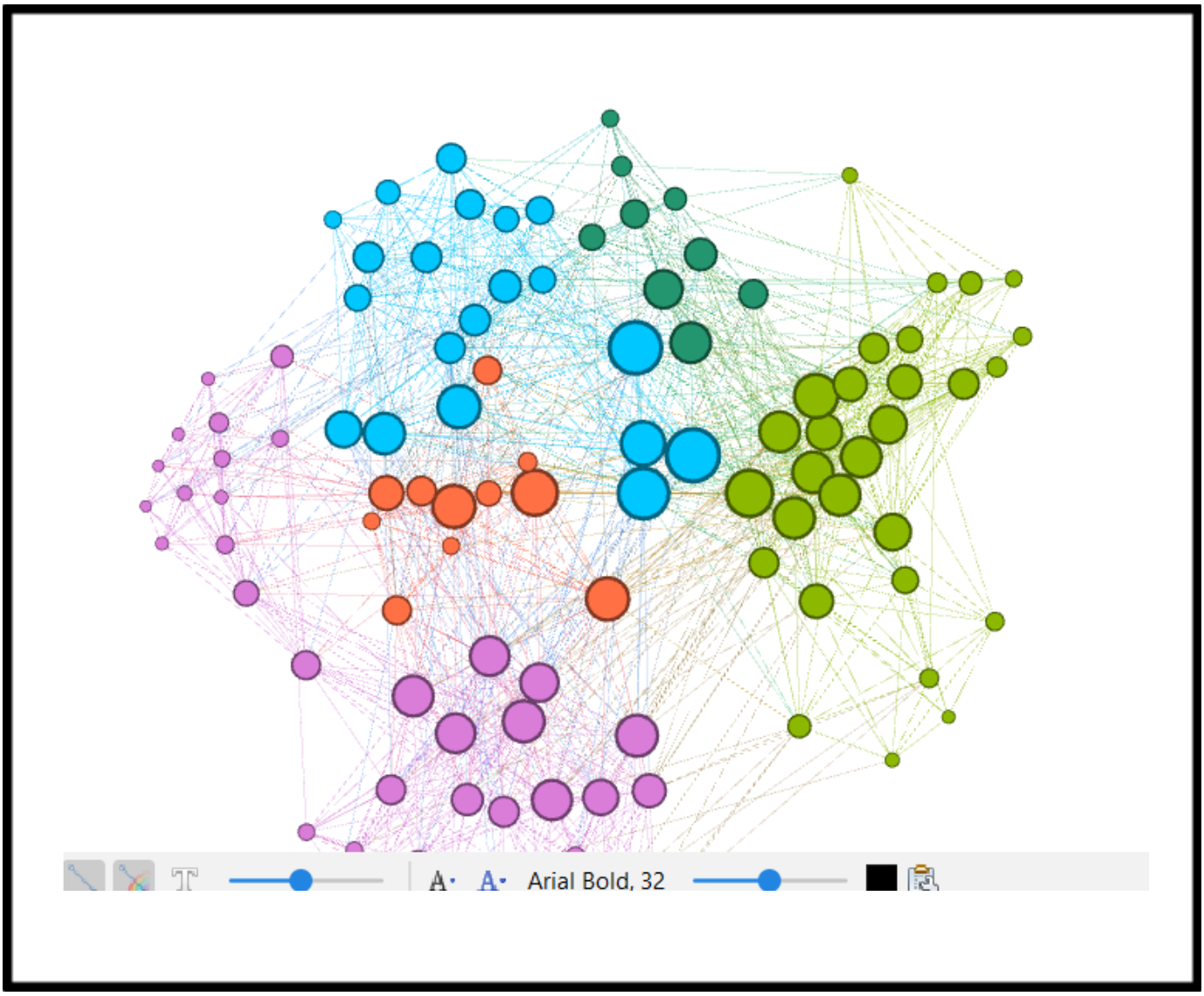
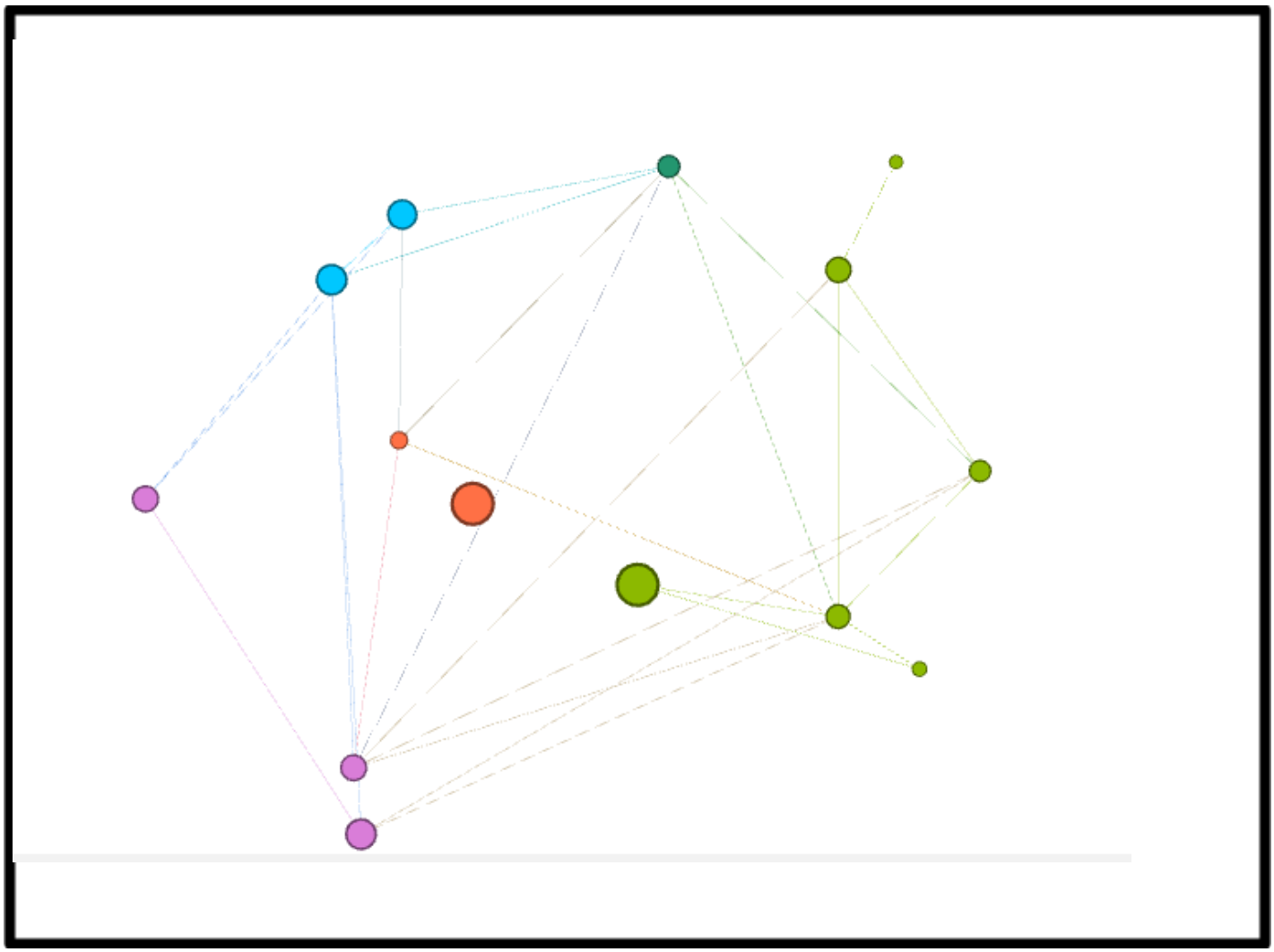
Nodes partition classname



Nodes Partition Gender



Filter partition gender male and female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