

## Gephi Instruction 4

Now you should already have Gephi installed in your computer. Otherwise, please refer to our "Gephi Instruction 1" [HERE](#).

Open Gephi and load the data set:

- go to the "File" tab at the top
- select "Open" in the dropdown
- find the directory where you have stored the data "YeastS.net" (or "NetScience.net"), and open it.
- while open, please choose graph type as "undirected", and unclick "create missing nodes"

Using Gephi examine the component size distribution:

- find the window "Statistics" in your screen (if you cannot find it, you can open it by clicking "Window" tab at the top, then select "Statistics")
- under "Network Overview", find "Connected Components" and click "Run"
- "undirected" will be your only choice
- it will generate a new window from which you can find the size distribution, as well as the number of weakly connected components.

To find the size of the giant component:

- find the window "Partition" and choose "Nodes"
- choose "Component ID" in "—Choose a partition parameter"
- get percentage for the largest component and the second largest component
- (calculate the ratio to answer the question)

Have fun!