

Task 7. Algorithms on graphs. Tools for network analysis

Goal

The use of the network analysis software Gephi

Problems and methods

1. Download and install Gephi from <https://gephi.org/>.
2. Choose a network dataset from <https://snap.stanford.edu/data/> with number of nodes at most 10,000. You are free to choose the network nature and type (un/weighted, un/directed).
3. Change the format of the dataset for that accepted by Gephi (.csv, .xls, .edges, etc.), if necessary.
4. Upload and process the dataset in Gephi. Check if the parameters of import and data are correct.
5. Obtain a graph layout of at least two different types.
6. Calculate available network measures in Statistics provided by Gephi.
7. Analyze the results for the network chosen.

While performing the work, screenshot the main steps you are doing and insert in the report.