Resource Summary Report

Generated by dkNET on Apr 23, 2025

Gephi

RRID:SCR_004293
Type: Tool

Proper Citation

Gephi (RRID:SCR_004293)

Resource Information

URL: http://gephi.org/

Proper Citation: Gephi (RRID:SCR_004293)

Description: Open-source software for network visualization and analysis helping data analysts to intuitively reveal patterns and trends, highlight outliers and tells stories with their data. It uses a 3D render engine to display large graphs in real-time and to speed up the exploration. Gephi combines built-in functionalities and flexible architecture to: explore, analyze, spatialize, filter, cluterize, manipulate and export all types of networks. Gephi runs on Windows, Linux and Mac OS X. Gephi is based on a visualize-and-manipulate paradigm which allow any user to discover networks and data properties. Moreover, it is designed to follow the chain of a case study, from data file to nice printable maps. It is open-source and free (GNU General Public License). Applications: * Exploratory Data Analysis: intuition-oriented analysis by networks manipulations in real time. * Link Analysis: revealing the underlying structures of associations between objects, in particular in scale-free networks. * Social Network Analysis: easy creation of social data connectors to map community organizations and small-world networks. * Biological Network analysis: representing patterns of biological data. * Poster creation: scientific work promotion with hi-quality printable maps. Gephi 0.7 architecture is modular and therefore allows developers to add and extend functionalities with ease. New features like Metrics, Layout, Filters, Data sources and more can be easily packaged in plugins and shared. The built-in Plugins Center automatically gets the list of plugins available from the Gephi Plugin portal and takes care of all software updates. Download, comment, and rate plugins provided by community members and third-party companies, or post your own contributions!

Abbreviations: Gephi

Resource Type: data processing software, software resource, software application

Keywords: network, visualization, visual analytics, exploratory data analysis, graph, analysis, open source, plugin, filter, cluter, manipulate, export

Funding:

Availability: GNU General Public License

Resource Name: Gephi

Resource ID: SCR_004293

Alternate IDs: nlx_31183

Record Creation Time: 20220129T080223+0000

Record Last Update: 20250423T060149+0000

Ratings and Alerts

No rating or validation information has been found for Gephi.

No alerts have been found for Gephi.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2496 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Zhang Y, et al. (2025) High-throughput single-cell sequencing of activated sludge microbiome. Environmental science and ecotechnology, 23, 100493.

Bai J, et al. (2025) Integrating ecological and recreational functions to optimize ecological security pattern in Fuzhou City. Scientific reports, 15(1), 778.

Liu S, et al. (2025) Impact of Polystyrene Microplastics on Soil Properties, Microbial Diversity and Solanum lycopersicum L. Growth in Meadow Soils. Plants (Basel, Switzerland), 14(2).

Xiang M, et al. (2025) Grazing Intensity Modifies Soil Microbial Diversity and Their Co-Occurrence Networks in an Alpine Steppe, Central Tibet. Microorganisms, 13(1).

Liu Z, et al. (2025) The sow vaginal and gut microbiota associated with longevity and

reproductive performance. Journal of animal science and biotechnology, 16(1), 6.

Guo X, et al. (2025) Adaptation of Archaeal Communities to Summer Hypoxia in the Sediment of Bohai Sea. Ecology and evolution, 15(1), e70768.

Tao J, et al. (2025) Bacterial wilt disease alters the structure and function of fungal communities around plant roots. BMC plant biology, 25(1), 39.

Rastegar H, et al. (2025) The dynamics of mental health policy in Iran over the last century. BMC psychology, 13(1), 51.

Sriram V, et al. (2025) The interplay of sex and genotype in disease associations: a comprehensive network analysis in the UK Biobank. Human genomics, 19(1), 4.

Wang Z, et al. (2025) Spatial Patterns of Microbial Communities in Intertidal Sediments of the Yellow River Estuary, China. Microbial ecology, 87(1), 173.

Li S, et al. (2025) Machine Learning and Multi-Omics Integration to Reveal Biomarkers and Microbial Community Assembly Differences in Abnormal Stacking Fermentation of Sauce-Flavor Baijiu. Foods (Basel, Switzerland), 14(2).

Liu PP, et al. (2025) Multi-Omics and Network-Based Drug Repurposing for Septic Cardiomyopathy. Pharmaceuticals (Basel, Switzerland), 18(1).

Zhang L, et al. (2025) Influence Mechanism of Vermicompost with Different Maturity on Atrazine Catabolism and Bacterial Community. Toxics, 13(1).

Zhang Z, et al. (2025) Forest Soil pH and Dissolved Organic Matter Aromaticity Are Distinct Drivers for Soil Microbial Community and Carbon Metabolism Potential. Microbial ecology, 87(1), 177.

Singh T, et al. (2025) Toward Personalized Digital Experiences to Promote Diabetes Self-Management: Mixed Methods Social Computing Approach. JMIR diabetes, 10, e60109.

Bechtold EK, et al. (2025) Metabolic interactions underpinning high methane fluxes across terrestrial freshwater wetlands. Nature communications, 16(1), 944.

Li S, et al. (2025) Distribution and environmental dissemination of antibiotic resistance genes in poultry farms and surrounding ecosystems. Poultry science, 104(1), 104665.

Jiao Z, et al. (2025) Two-layer homolog network approach for PFAS nontarget screening and retrospective data mining. Nature communications, 16(1), 688.

Cho H, et al. (2025) Artificial Intelligence (AI)-driven approach to climate action and sustainable development. Nature communications, 16(1), 1228.

Yu J, et al. (2025) Soil microbial carbon use efficiency differs between mycorrhizal trees: insights from substrate stoichiometry and microbial networks. ISME communications, 5(1), ycae173.