# GraphVisual Survey Questions

Graph layouts

S1 The number of layouts provided by GraphVisual is sufficient for me to learn different graph layout algorithms.

S2 GraphVisual helped me better understand the differences among graph layout algorithms.

S3 The baseline randomized and circular layouts helped me compare and better understand the advantages of other layouts.

S4 GraphVisual helped me better distinguish force-directed and non force-directed graph layouts.

S5 For the D3-Force-Directed layout, “Attractive Force” and “Repulsive Force” sliders in the interface helped me better understand the roles of these two counterforces in the force-directed layout algorithm.

S6 The Spectral layout helped me understand the nature of the displayed data better.

S7 The special layouts (geographical or bipartite) helped me better understand data-specific layout requirements (e.g., for graph data having geographical information or disjoint node groups).

S8 GraphVisual helped me better analyze which graph layout works better for a given data set.

Data sets

S9 The data sets provided are representative which helped me better learn and differentiate different graph layout algorithms.

S10 The data sets provided in each category (small, medium, and large) are sufficient for me to learn graph visualization.

User interface

S11 The on-boarding feature helps me better get oriented with GraphVisual.

S12 The “about” page provides me with sufficient information to gain an overview of GraphVisual.

S13 The overall interface design of GraphVisual is intuitive and easy to follow.

S14 The default node size and edge thickness are appropriate.

S15 The use of colors in the visualization clearly distinguishes different items.

S16 The visual effects for user interface elements help me better distinguish disabled items or controls.

S17 The interactions are sufficient for serving the basic graph navigation need.

S18 The interactions along with the given tooltips are easy to understand and follow.

General

S19 The questions provided in the study guide help me learn GraphVisual.

S20 GraphVisual provided an enjoyable way to learn about graph visualization.

S21 Using GraphVisual helped me feel confident in my knowledge about graph visualization.

S22 What changes to the items above, or other parts of GraphVisual, would improve your learning of graph visualization?