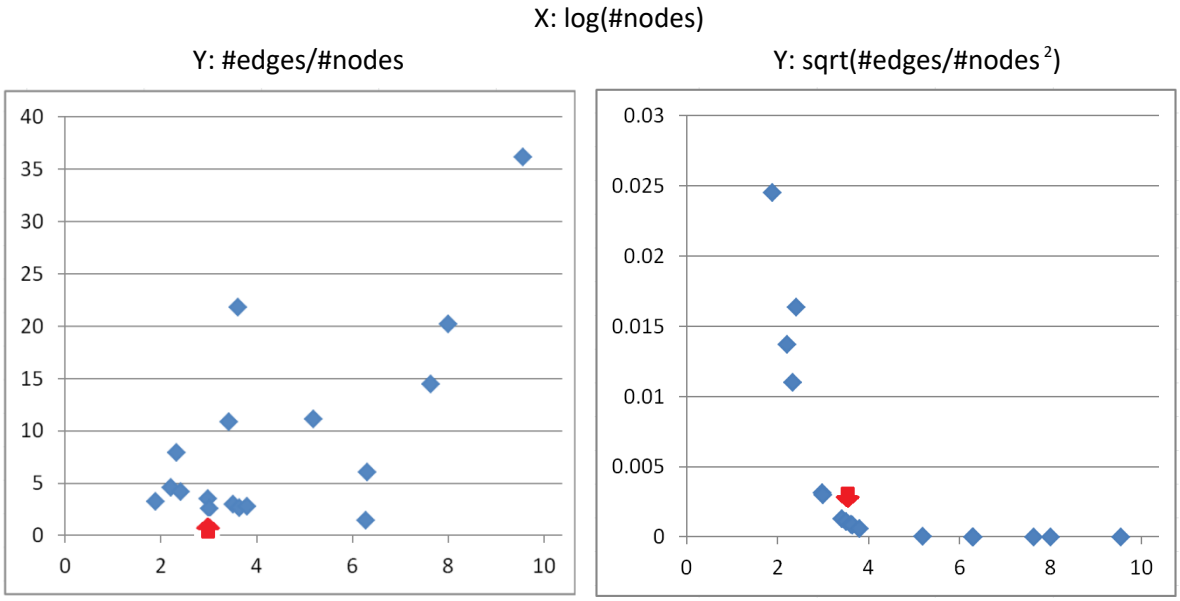
We chose a network to use in our experiment by reviewing 17 real-world datasets. Names, sources, and details of these networks are listed below. The network we chose, recipe ingredients, is larger than networks previously evaluated but small enough to be visualized smoothly in a browser, has a ratio of edges-to-nodes close to the median, and has a node-degree distribution similar to most networks.

Dataset name and source	*N*	*E*	*E/N*	$\sqrt{(E/N^2)}$	Description
Les Miserables http://networkdata.ics.uci.edu/data/lesmis/lesmis.gml	77	254	3.2	0.04	Co-appearances of characters in Victor Hugo's novel "Les Miserables".
Universities http://gmap.cs.arizona.edu/static/media/univ.gv	161	745	4.6	0.02	US universities and their average SAT scores. Edges are constructed based on their similarities of admission data.
World-trade http://gmap.cs.arizona.edu/static/media/trade.gv	211	1671	7.9	0.03	Trade relationships between countries. Links are imports /exports between countries.
Recipe-ingredients http://gmap.cs.arizona.edu/static/media/recipes.gv	**258**	**1090**	**4.2**	**0.016**	**Unique cooking ingredients extracted from 56498 cooking recipes. Links are co-occurrence in recipes.**
Colors http://gmap.cs.arizona.edu/static/media/colors.gv	949	3378	3.5	0.003	949 uniquely named colors with links defined by the distance in RGB space between corresponding pairs.
GD collaboration http://gmap.cs.arizona.edu/static/media/gd.gv	1001	2627	2.6	0.002	Co-authorship for the international symposiums on Graph Drawing, 1994 - 2015.
Music-Land (last.fm) http://gmap.cs.arizona.edu/static/media/lastfm.gv	2588	28221	10.9	0.004	Data crawled from the last.fm website. A graph containing 2588 musicians, edge weight corresponds to the similarity of musicians.
Book-Land (Amazon book titles) http://gmap.cs.arizona.edu/static/media/books.gv	3204	9639	3.0	0.9m	3204 books and 9639 edges based on Amazon's "Customers Who Bought This Item Also Bought" links.
Facebook	4039	88234	21.8	0.005	Facebook friendship data.
TVCG colloaboration http://gmap.cs.arizona.edu/static/media/tvcg.gv	4345	11732	2.7	0.6m	Co-authorship network from the IEEE TVCG 1995-2015.

Protein_Graph_Sparser http://vizlab.cs.fiu.edu/graphtasks/protein_graph_sparser.gv	6313	17865	2.8	0.4m	Proteins and interactions between them (from hprd.org)
Knowledge Repo https://github.com/graphbig/graphBIG/wiki/GraphBIG-Dataset	154K	1.72M	11.1	0.07m	
CA RoadNet https://github.com/graphbig/graphBIG/wiki/GraphBIG-Dataset	1.9M	2.8M	1.4	0.7μ	
Watson Gene graph https://github.com/graphbig/graphBIG/wiki/GraphBIG-Dataset	2M	12.2M	6.1	0.003m	
Web crawling pay-level-domain http://webdatacommons.org/hyperlinkgraph/	43M	623M	14.4	0.3μ	
Web crawling Host http://webdatacommons.org/hyperlinkgraph/	101M	2043M	20.2	0.02μ	Web pages and hyperlinks
Web crawling Page http://webdatacommons.org/hyperlinkgraph/	3563M	128T	36.1	0.01μ	Web pages and hyperlinks



Red arrows points to the evaluated network. The chart on the right shows that large networks rarely come with large densities.

Node degree distributions for a subset of the networks. Red marks the evaluated network.