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## Chart and image gallery: 30+ free tools for data visualization and analysis

By Sharon Machlis

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The chart below originally accompanied our story [22 free tools for data visualization and analysis](#) (April 20, 2011). We're updating it as we cover additional tools, including [8 cool tools for data analysis, visualization and presentation](#) (March 27, 2012), [Startup offers 1-click data analysis](#) (Aug. 29, 2012), [Infogr.am offers quick Web charts](#) (Oct. 16, 2012) and [Create simple, free charts with Datawrapper](#) (Nov. 21, 2012). Click through to those articles for full tool reviews.

**Features:** You can sort the chart by clicking on any column header once to sort in ascending order and a second time to sort by descending (browser JavaScript required).

Skill levels are represented as numbers from easiest to most difficult to learn and use:

1. Users who are comfortable with basic spreadsheet tasks
2. Users who are technically proficient enough not to be frightened off by spending a couple of hours learning a new application
3. Power users
4. Users with coding experience or specialized knowledge in a field like GIS or network analysis. [Next page: Screenshots of several tools](#)

### Data visualization and analysis tools

Tool	Category	Multi-purpose visualization	Mapping	Platform	Skill level	Data stored or processed	Designed for Web publishing?
<a href="#">Data Wrangler</a>	Data cleaning	No	No	Browser	2	External server	No
<a href="#">Google Refine</a>	Data cleaning	No	No	Browser	2	Local	No
<a href="#">R Project</a>	Statistical analysis	Yes	With plugin	Linux, Mac OS X, Unix, Windows XP or later	4	Local	No
<a href="#">Google Fusion Tables</a>	Visualization app/service	Yes	Yes	Browser	1	External server	Yes
<a href="#">Impure</a>	Visualization app/service	Yes	No	Browser	3	Varies	Yes
<a href="#">Many Eyes</a>	Visualization app/service	Yes	Limited	Browser	1	Public external server	Yes
<a href="#">Tableau Public</a>	Visualization app/service	Yes	Yes	Windows	3	Public external server	Yes
<a href="#">VIDI</a>	Visualization app/service	Yes	Yes	Browser	1	External server	Yes
<a href="#">Zoho Reports</a>	Visualization app/service	Yes	No	Browser	2	External server	Yes
<a href="#">Choose!</a>	Framework	Yes	Yes	Chrome, Firefox, Safari	4	Local or external server	Not yet

Tool	Category	Multi-purpose visualization	Mapping	Platform	Skill level	Data stored or processed	Designed for Web publishing?
<a href="#">Exhibit</a>	Library	Yes	Yes	Code editor and browser	4	Local or external server	Yes
<a href="#">Google Chart Tools</a>	Library and Visualization app/service	Yes	Yes	Code editor and browser	2	Local or external server	Yes
<a href="#">JavaScript InfoVis Toolkit</a>	Library	Yes	No	Code editor and browser	4	Local or external server	Yes
<a href="#">Protovis</a>	Library	Yes	Yes	Code editor and browser	4	Local or external server	Yes
<a href="#">Quantum GIS (QGIS)</a>	GIS/mapping: Desktop	No	Yes	Linux, Unix, Mac OS X, Windows	4	Local	With plugin
<a href="#">OpenHeatMap</a>	GIS/mapping: Web	No	Yes	Browser	1	External server	Yes
<a href="#">OpenLayers</a>	GIS/mapping: Web, Library	No	Yes	Code editor and browser	4	local or external server	Yes
<a href="#">OpenStreetMap</a>	GIS/mapping: Web	No	Yes	Browser or desktops running Java	3	Local or external server	Yes
<a href="#">TimeFlow</a>	Temporal data analysis	No	No	Desktops running Java	1	Local	No
<a href="#">IBM Word-Cloud Generator</a>	Word clouds	No	No	Desktops running Java	2	Local	As image
<a href="#">Gephi</a>	Network analysis	No	No	Desktops running Java	4	Local	As image
<a href="#">NodeXL</a>	Network analysis	No	No	Excel 2007 and 2010 on Windows	4	Local	As image
<a href="#">CSVKit</a>	CSV file analysis	No	No	Linux, Mac OS X or Linux with Python installed	3	Local	No
<a href="#">DataTables</a>	Create sortable, searchable tables	No	No	Code editor and browser	3	Local or external server	Yes
<a href="#">FreeDive</a>	Create sortable, searchable tables	No	No	Browser	2	External server	Yes
<a href="#">Highcharts*</a>	Library	Yes	No	Code editor and browser	3	Local or external server	Yes
<a href="#">Mr. Data Converter</a>	Data reformatting	No	No	Browser	1	Local or external server	No
<a href="#">Panda Project</a>	Create searchable tables	No	No	Browser with Amazon EC2 or Ubuntu Linux	2	Local or external server	No
<a href="#">PowerPivot</a>	Analysis and charting	Yes	No	Excel 2010 on Windows	3	Local	No
<a href="#">Weave</a>	Visualization app/service	Yes	Yes	Flash-enabled browsers; Linux server on backend	4	Local or external server	Yes
<a href="#">Statwing</a>	Visualization app/service	Yes	No	Browser	1	External server	Not yet
<a href="#">Infogr.am</a>	Visualization app/service	Yes	Limited	Browser	1	External server	Yes
<a href="#">Datawrapper</a>	Visualization app/service	Yes	No	Browser	1	Local or external server	Yes

\*Highcharts is free for non-commercial use and \$80 for most single-site-wide licenses.

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