

Review

- The difference between text files and other binary formatted files
- Using `loadStrings()` and `split()` to load and convert data from text files
- `selectInput()` to interactively select a file
- Removing spaces from a String

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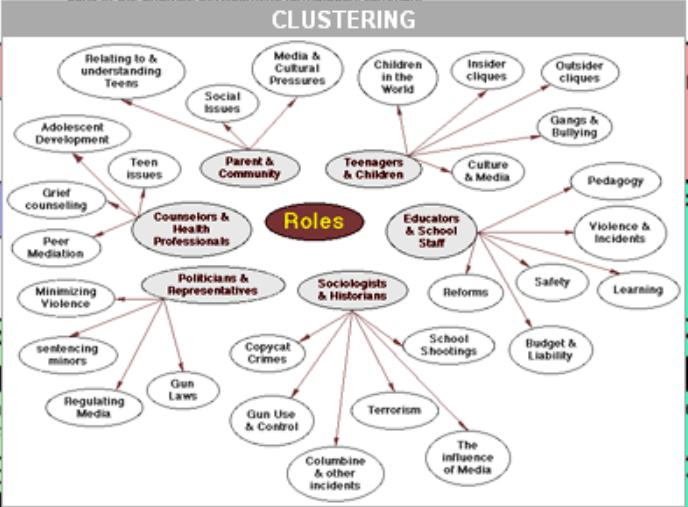
225 "random" numbers chosen and tweeted by 225 people

19	42	42	87	81	99	33	98	61	47	24	66
69	23	67	67	57	71	5	79	57	46	93	54
43	32	18	42	77	37	37	6	93	55	55	77
15	88	42	55	77	42	93	3	17	26	64	65
23	21	9	7	23	17	14	42	45	27	97	83
89	4	4	26	6	39	97	72	35	6	66	
19	2	72	81	37	47	66	17	12	52	74	
54	61	43	19	57	17	77	47	26	72	64	
69	99	64	88	67	1	36	2	60	27	73	
4	43	97	67	42	37	27	1	75	15	17	
13	59	32	78	40	15	64	77	11	1	17	
37	13	7	26	57	25	12	69	8	84	23	
66	42	14	33	17	97	25	57	1	81	97	
8	18	78	12	95	37	84	86	41	56	73	
78	60	21	39	28	17	83	69	12	74	37	
67	19	19	88	96	69	29	74	53	33	72	
32	81	72	72	73	39	52	97	77	77	41	
76	17	69	83	67	64	25	35	42	4	76	
13	36	2	37	52	47	43	25	66	7	6	
87	94	16	28	20	79	23	21	55	66	87	

Examples

- wordCount
- wordFreqVis
- BoxOffice
- BoxOffice2
- BoxOffice3
- PieSlice
- PieChart
- PieChart2
- PieChart3
- USMap
- USMap2
- RandomTweets1
- RandomTweets2
- BarTweets1
- BarTweets2
- BarTweets3
- GridTweets1
- GridTweets2
- numberVis

A PERIODIC TABLE OF VISUALIZATION METHODS

<div><div></div><div><div></div><div></div></div><div>C</div><div>continuum</div></div>	<div><div></div><div><div></div><div></div></div><div>Data Visualization</div><div>Visual representations of quantitative data in schematic form (either with or without axes)</div></div>							<div><div></div><div><div></div><div></div></div><div>G</div><div>graphic facilitation</div></div>									
<div><div></div><div><div></div><div></div></div><div>Tb</div><div>table</div></div>	<div><div></div><div><div></div><div></div></div><div>Ga</div><div>cartesian coordinates</div></div>	<div><div></div><div><div></div><div></div></div><div>Information Visualization</div><div>The use of interactive visual representations of data to amplify cognition. This means that the data is transformed into an image, it is mapped to screen space. The image can be changed by users as they proceed working with it</div></div>							<div><div></div><div><div></div><div></div></div><div>Tm</div><div>temple</div></div>	<div><div></div><div><div></div><div></div></div><div>St</div><div>story template</div></div>	<div><div></div><div><div></div><div></div></div><div>Tr</div><div>tree</div></div>	<div><div></div><div><div></div><div></div></div><div>Ct</div><div>cartoon</div></div>					
<div><div></div><div><div></div><div></div></div><div>Pi</div><div>pie chart</div></div>	<div><div></div><div><div></div><div></div></div><div>L</div><div>line chart</div></div>	<div><div></div><div><div></div><div></div></div><div>Concept Visualization</div><div>Methods to elaborate (mostly) qualitative concepts, ideas, plans, and analyses.</div></div>							<div><div></div><div><div></div><div></div></div><div>CLUSTERING</div><div></div></div>								
<div><div></div><div><div></div><div></div></div><div>B</div><div>bar chart</div></div>	<div><div></div><div><div></div><div></div></div><div>Ac</div><div>area chart</div></div>	<div><div></div><div><div></div><div></div></div><div>R</div><div>radar chart cobweb</div></div>	<div><div></div><div><div></div><div></div></div><div>Pa</div><div>parallel coordinates</div></div>	<div><div></div><div><div></div><div></div></div><div>Hy</div><div>hyperbolic tree</div></div>	<div><div></div><div><div></div><div></div></div><div>Cy</div><div>cycle diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>T</div><div>timeline</div></div>	<div><div></div><div><div></div><div></div></div><div>V</div><div>venn diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Pm</div><div>perspectives diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>D</div><div>dilemma diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Pr</div><div>parameter ruler</div></div>	<div><div></div><div><div></div><div></div></div><div>Kn</div><div>knowledge map</div></div>						
<div><div></div><div><div></div><div></div></div><div>Hi</div><div>histogram</div></div>	<div><div></div><div><div></div><div></div></div><div>Sc</div><div>scatterplot</div></div>	<div><div></div><div><div></div><div></div></div><div>Sa</div><div>sankey diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>In</div><div>information lense</div></div>	<div><div></div><div><div></div><div></div></div><div>E</div><div>entity relationship diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Pt</div><div>petri net</div></div>	<div><div></div><div><div></div><div></div></div><div>Fl</div><div>flow chart</div></div>	<div><div></div><div><div></div><div></div></div><div>Cl</div><div>clustering</div></div>	<div><div></div><div><div></div><div></div></div><div>Lc</div><div>layer chart</div></div>	<div><div></div><div><div></div><div></div></div><div>Py</div><div>minto pyramid technique</div></div>	<div><div></div><div><div></div><div></div></div><div>Ce</div><div>cause-effect chains</div></div>	<div><div></div><div><div></div><div></div></div><div>Tl</div><div>toulmin map</div></div>	<div><div></div><div><div></div><div></div></div><div>Dt</div><div>decision tree</div></div>	<div><div></div><div><div></div><div></div></div><div>Cp</div><div>cpm critical path method</div></div>	<div><div></div><div><div></div><div></div></div><div>Cf</div><div>concept fan</div></div>	<div><div></div><div><div></div><div></div></div><div>Co</div><div>concept map</div></div>	<div><div></div><div><div></div><div></div></div><div>Ic</div><div>iceberg</div></div>	<div><div></div><div><div></div><div></div></div><div>Lm</div><div>learning map</div></div>
<div><div></div><div><div></div><div></div></div><div>Tk</div><div>tukey box plot</div></div>	<div><div></div><div><div></div><div></div></div><div>Sp</div><div>spectrogram</div></div>	<div><div></div><div><div></div><div></div></div><div>Da</div><div>data map</div></div>	<div><div></div><div><div></div><div></div></div><div>Tp</div><div>treemap</div></div>	<div><div></div><div><div></div><div></div></div><div>Cn</div><div>cone tree</div></div>	<div><div></div><div><div></div><div></div></div><div>Sy</div><div>system dyn./ simulation</div></div>	<div><div></div><div><div></div><div></div></div><div>Df</div><div>data flow diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Se</div><div>semantic network</div></div>	<div><div></div><div><div></div><div></div></div><div>So</div><div>soft system modeling</div></div>	<div><div></div><div><div></div><div></div></div><div>Sn</div><div>synergy map</div></div>	<div><div></div><div><div></div><div></div></div><div>Fo</div><div>force field diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Ib</div><div>ibis argumentation map</div></div>	<div><div></div><div><div></div><div></div></div><div>Pr</div><div>process event chains</div></div>	<div><div></div><div><div></div><div></div></div><div>Pe</div><div>pert chart</div></div>	<div><div></div><div><div></div><div></div></div><div>Ev</div><div>evocative knowledge map</div></div>	<div><div></div><div><div></div><div></div></div><div>V</div><div>Vee diagram</div></div>	<div><div></div><div><div></div><div></div></div><div>Hh</div><div>heaven 'n' hell chart</div></div>	<div><div></div><div><div></div><div></div></div><div>I</div><div>informal</div></div>

Cy Process Visualization

Note: Depending on your location and connection speed it can take some time to load a pop-up picture.

version 1.5

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Data Sources

<http://www.data.gov/>

<http://archive.ics.uci.edu/ml/>

<http://opendata.socrata.com/>

<http://www.reddit.com/r/datasets>

Data Source Lists

<http://www.quora.com/Data/Where-can-I-get-large-datasets-open-to-the-public>

[http://www.readwriteweb.com/archives/where to find open data on the.php](http://www.readwriteweb.com/archives/where_to_find_open_data_on_the.php)

Ideas for Visualizations

[http://www.visual-literacy.org/periodic table/periodic table.html](http://www.visual-literacy.org/periodic_table/periodic_table.html)

GapMinder

<http://www.gapminder.org>

<http://www.gapminder.org/videos/hans-rosling-on-cnn-us-in-a-converging-world/>

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