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2016

### Data Network Visualization

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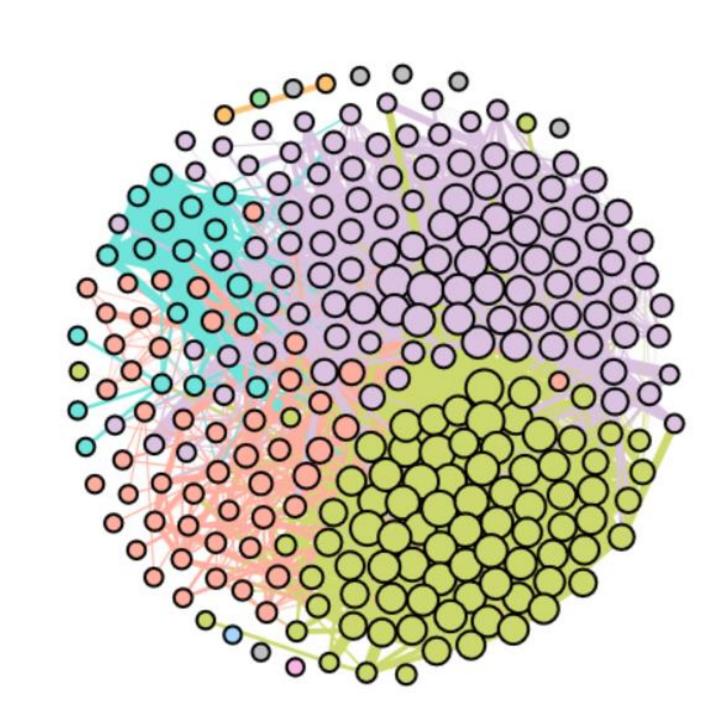
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# Data Network Visualization

CAPSTONE DESIGN **EXPO 2016** 

### What is it?



Inspired by the software

that is easier to use,

program Gephi, Visualize has

a much simpler user interface

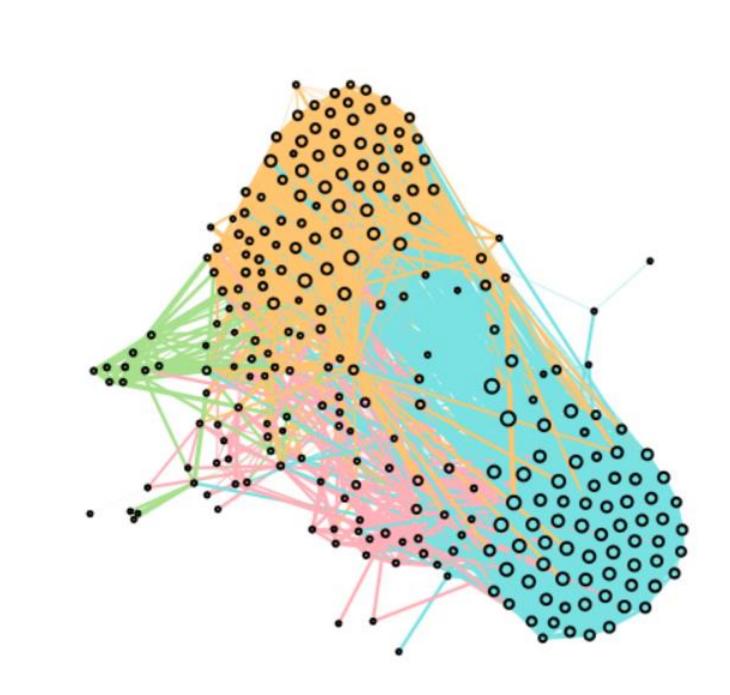
understand and learn. New

getting confused at the layout.

users can jump in without

Visualize is a web-based tool service that can be used to generate sophisticated graphs.

You can start off with a new graph or import your own graph data files and edit them on the go with easy to use web tools.



Data taken from Marcangelo's Twitter handle

Visualize can display and edit multiple data sources

- Standard graph files like .gexf and .json

1.89778245E8 AyePak

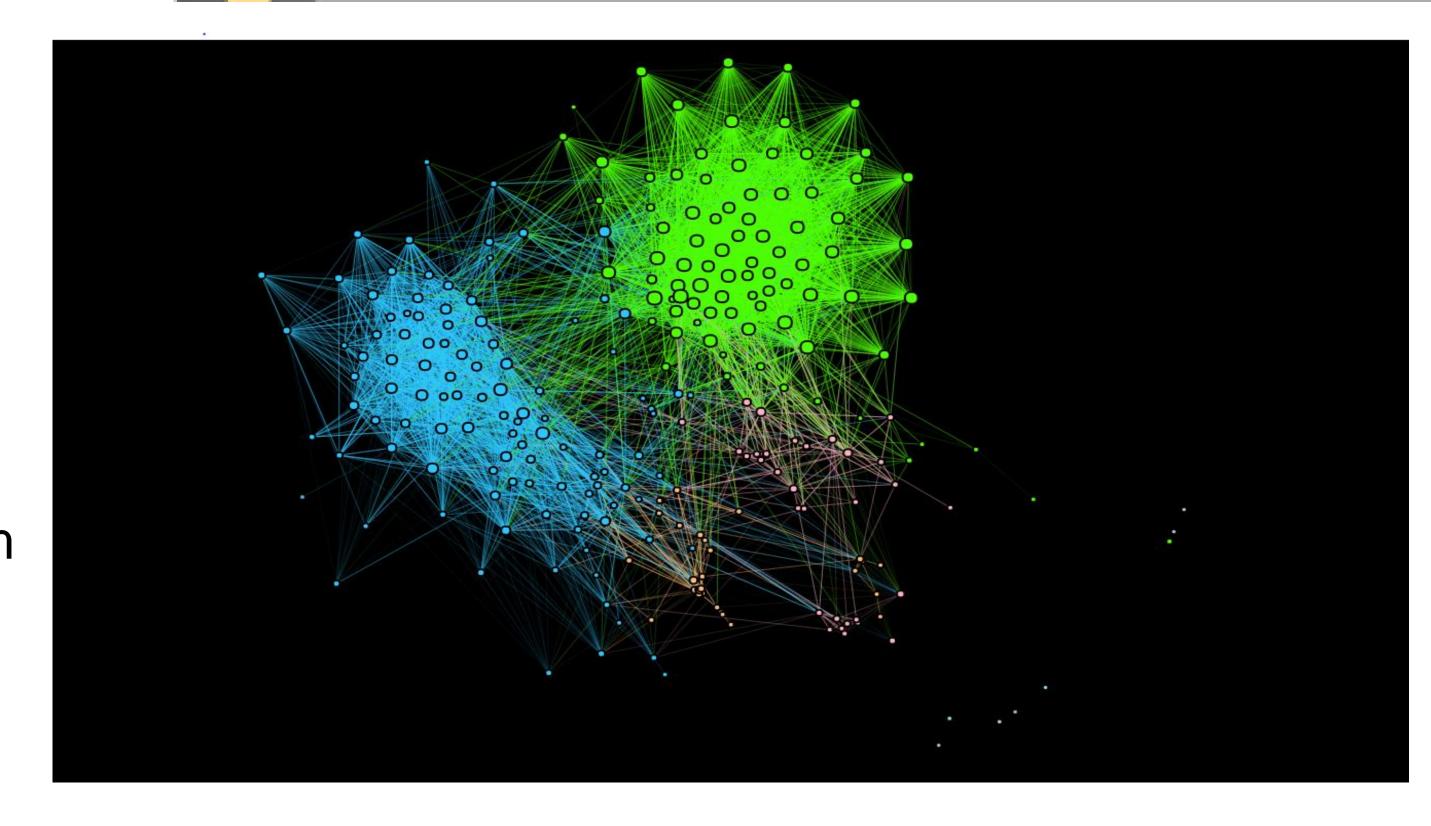
5.16197097E8 gotz\_rice

Ryanimay

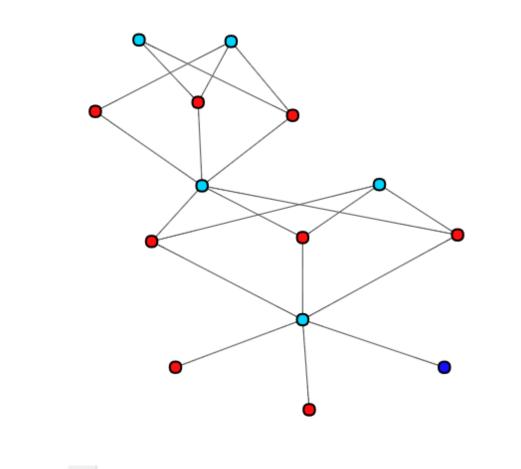
pottermore

From basic graphs to more complex and comprehensive graphs, Visualize can save your graph for later editting, allowing you to leave the website and come back later to edit it again.

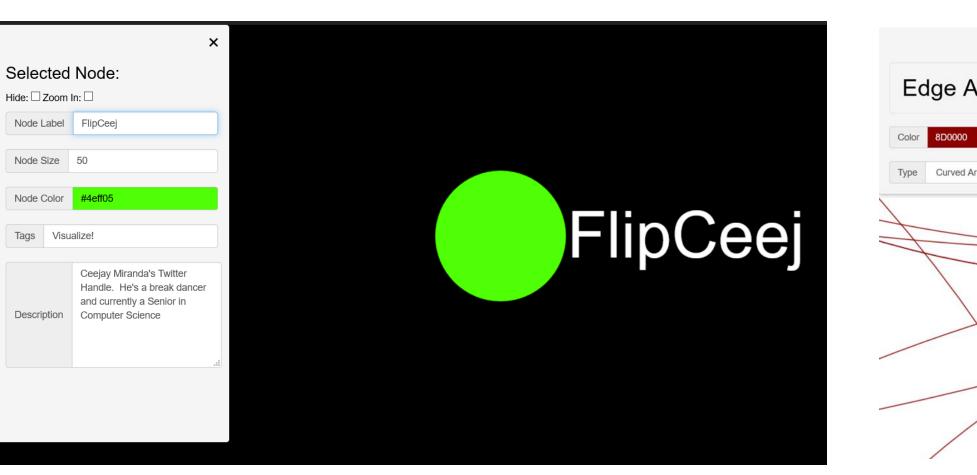
## Versatility

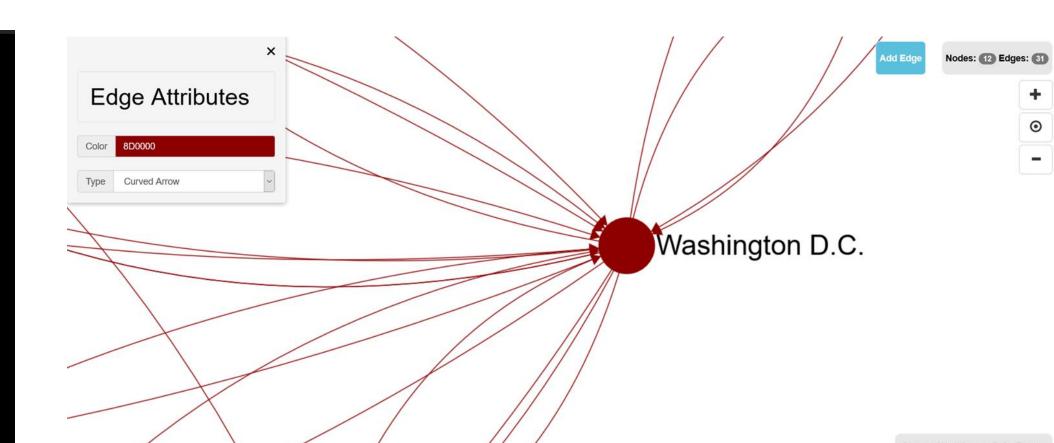


- Social Networks such as Twitter
- Directly from Database such as Neo4j, MySQL

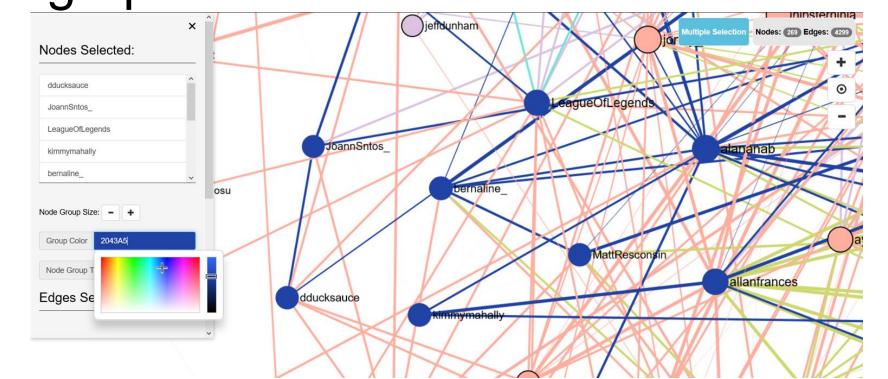


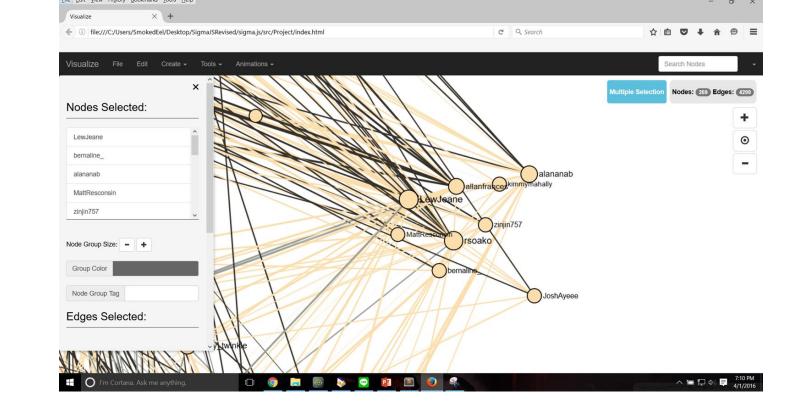
## Customizability



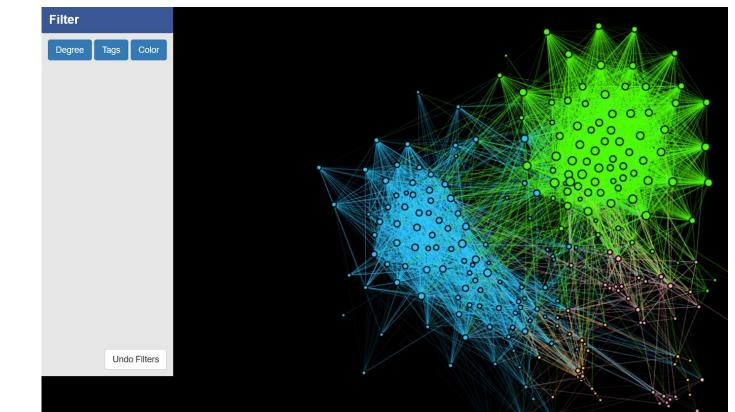


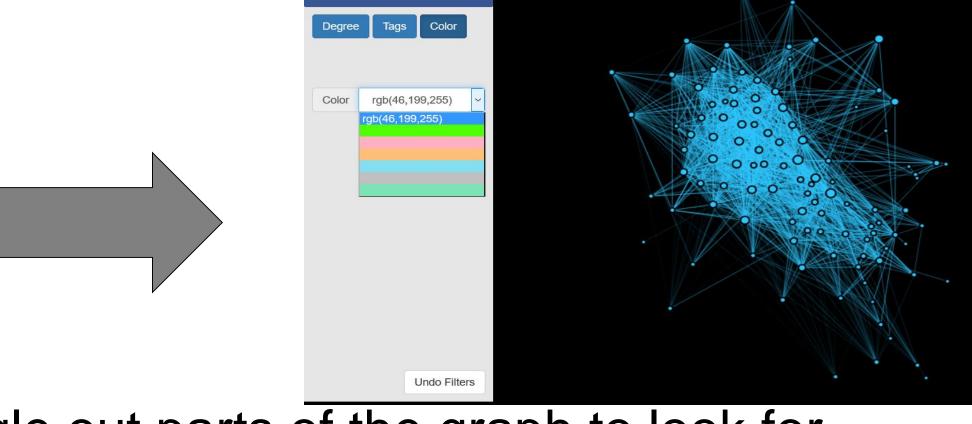
Nodes can have limitless attributes, you can specify various characteristecs of a node including their size, color and name. Connect nodes together with edges, signifying their relations to each other, and showing direction in a graph





With the multiple selection tool, both nodes and edges can be selected as a group to be edited together. You can also move these nodes as a group, dynamically changing the layout.





With the filter tool, you can single out parts of the graph to look for specific clusters. Here, the filter is used to single out all nodes on the graph by color, returning only those of a specific color attribute.



15.515789 rgb(219,195,225) unc

20.905262 rgb(219,195,225) unc

24.947369 rgb(206,218,112) und