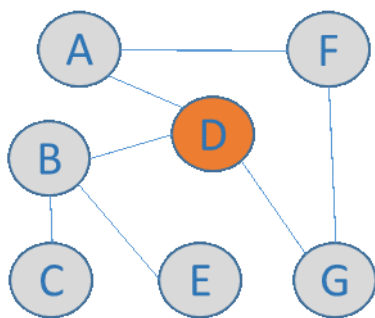
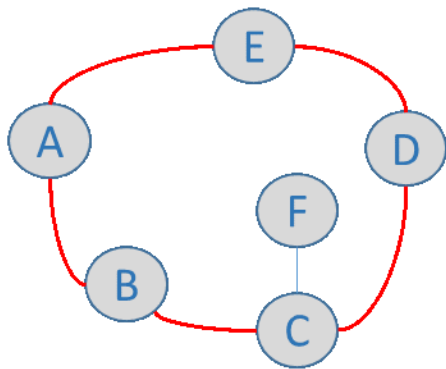
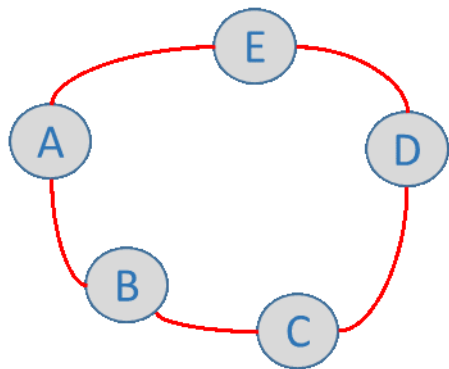
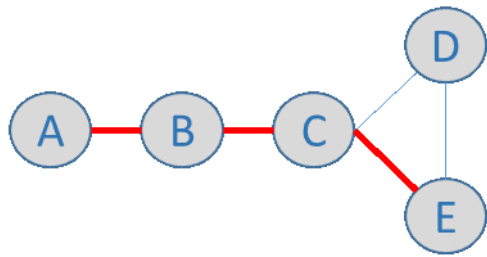
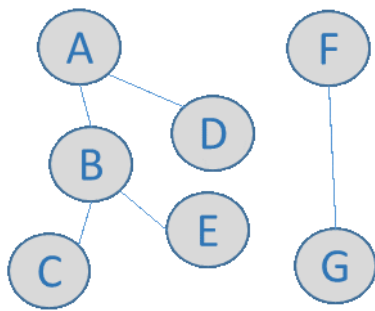
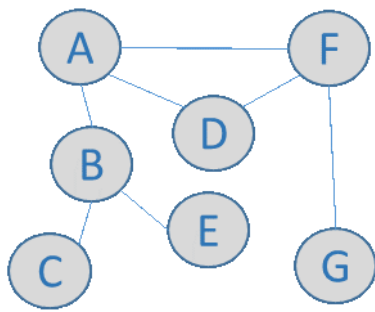
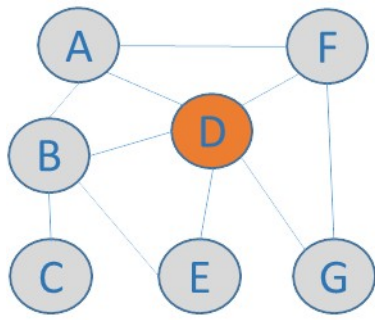
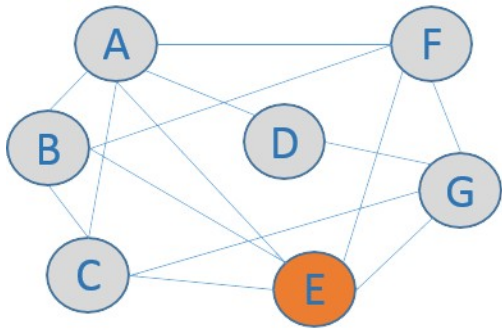
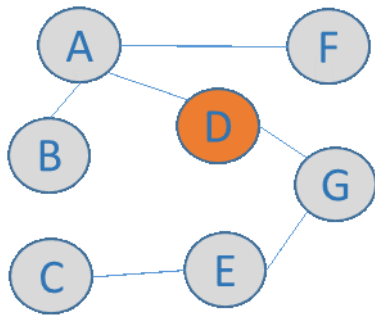
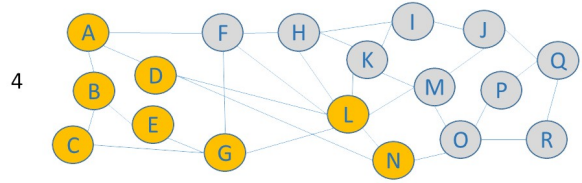
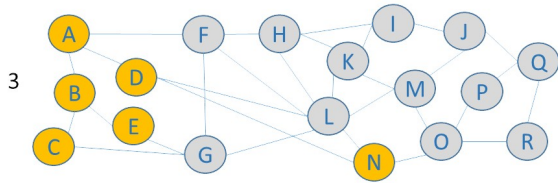
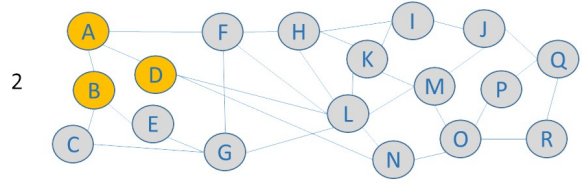
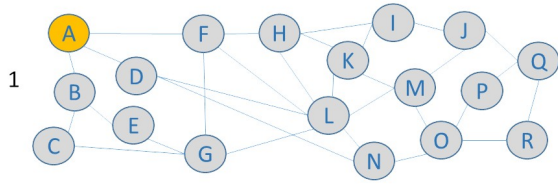
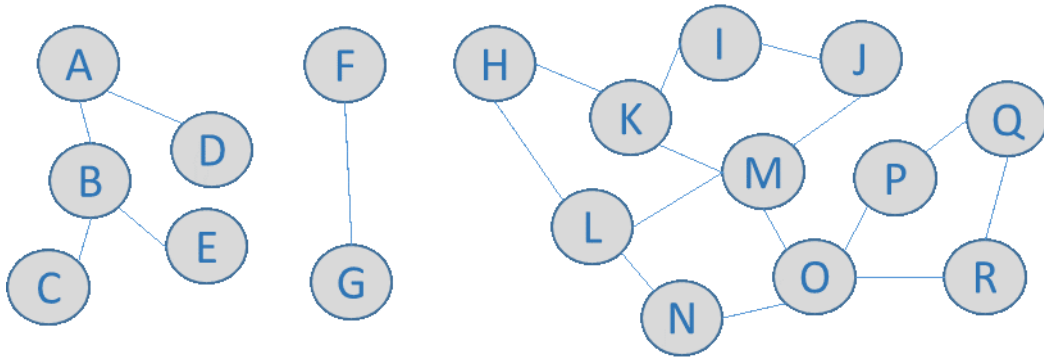


# Chapter 1

## Fundamentals of Complex Networks and Gephi

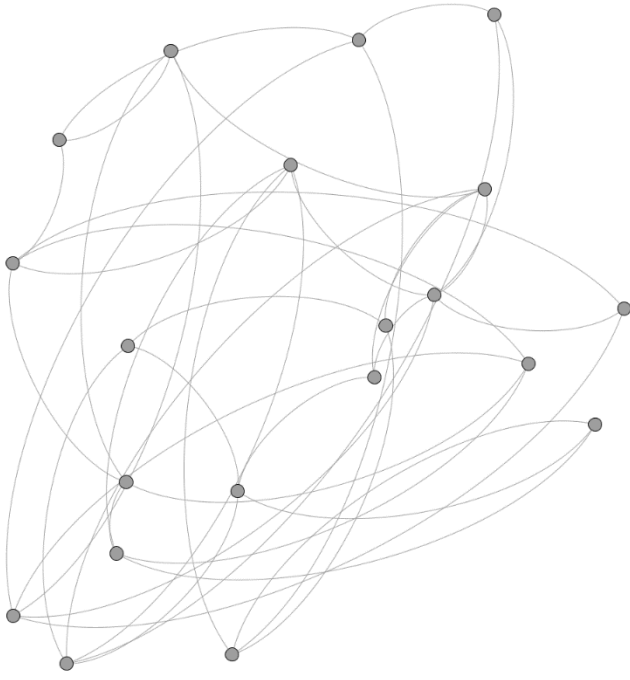




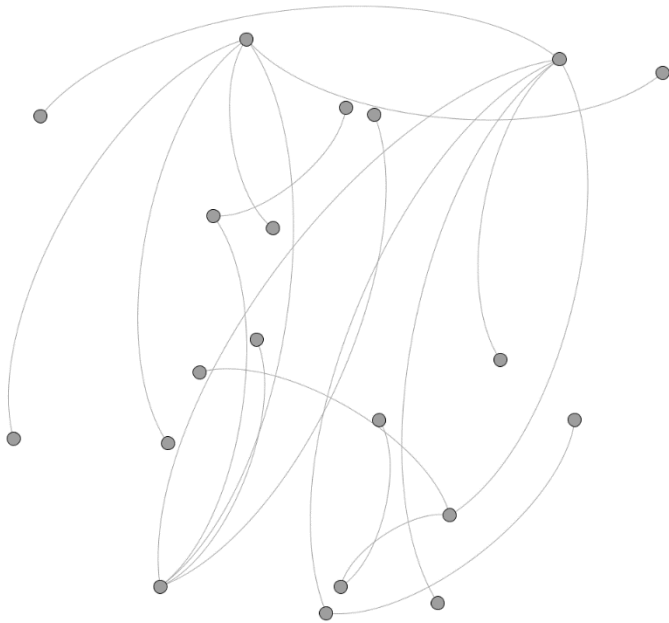








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## Chapter 2

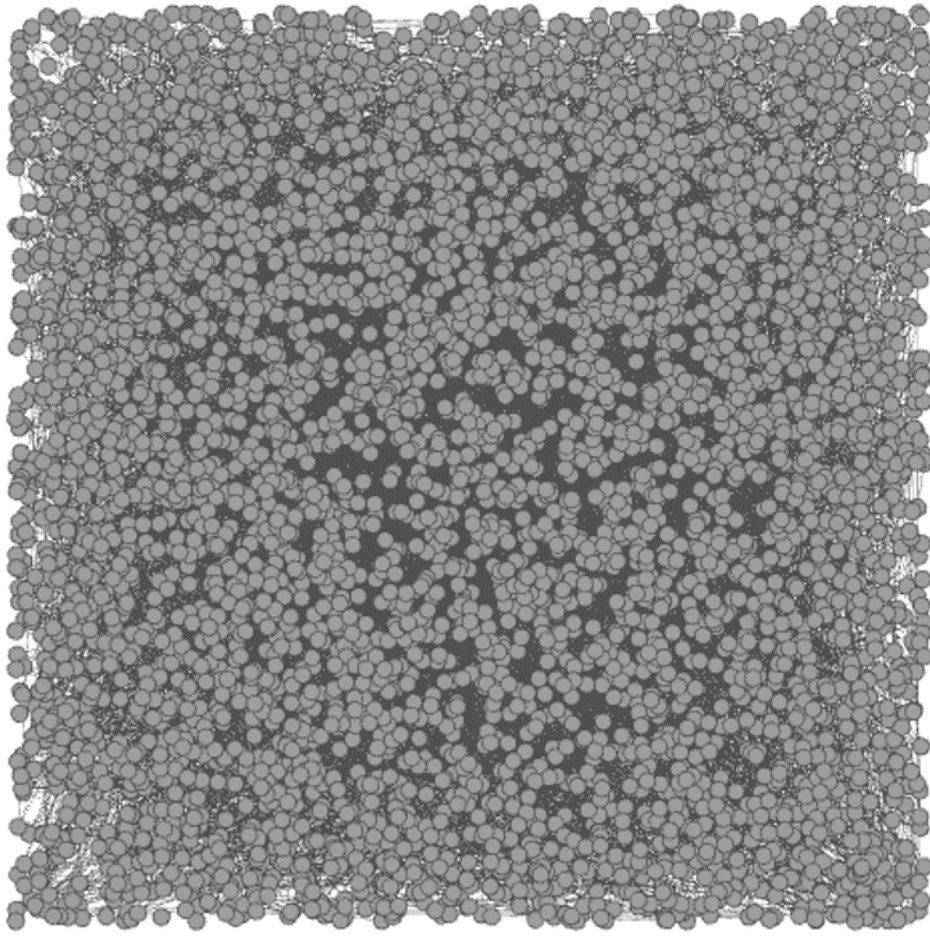
### A Network Graph Framework

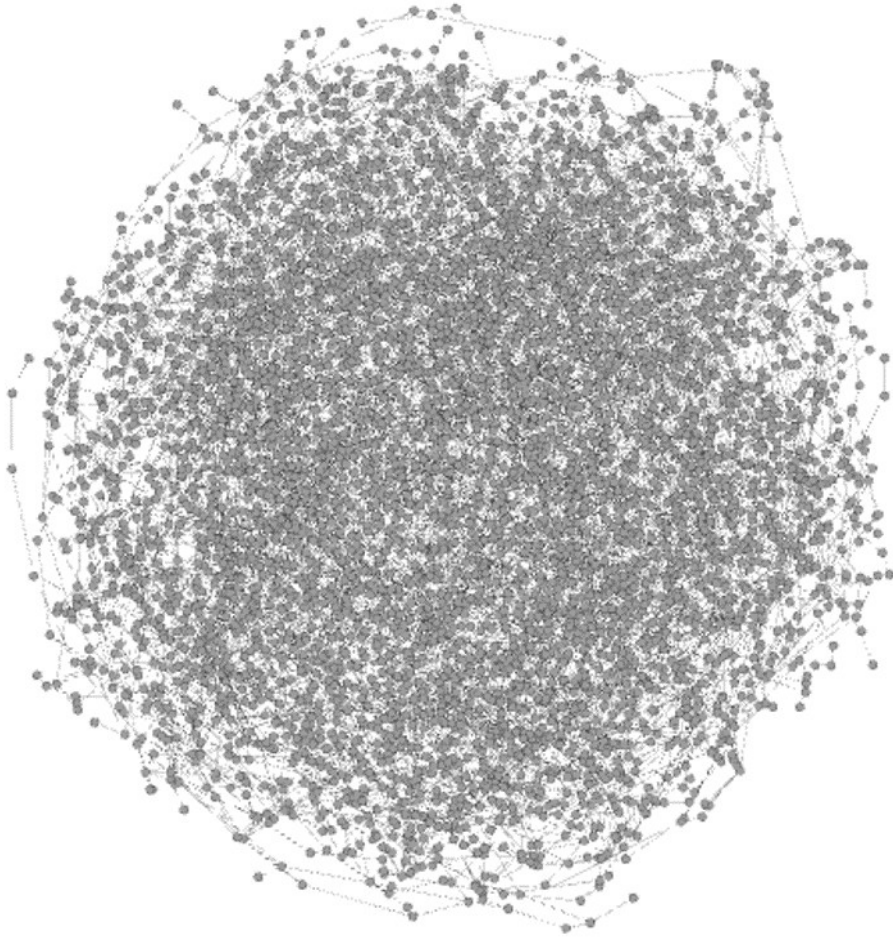
Creator "Mark Newman on Thu Aug 31 13:33:32 2006"

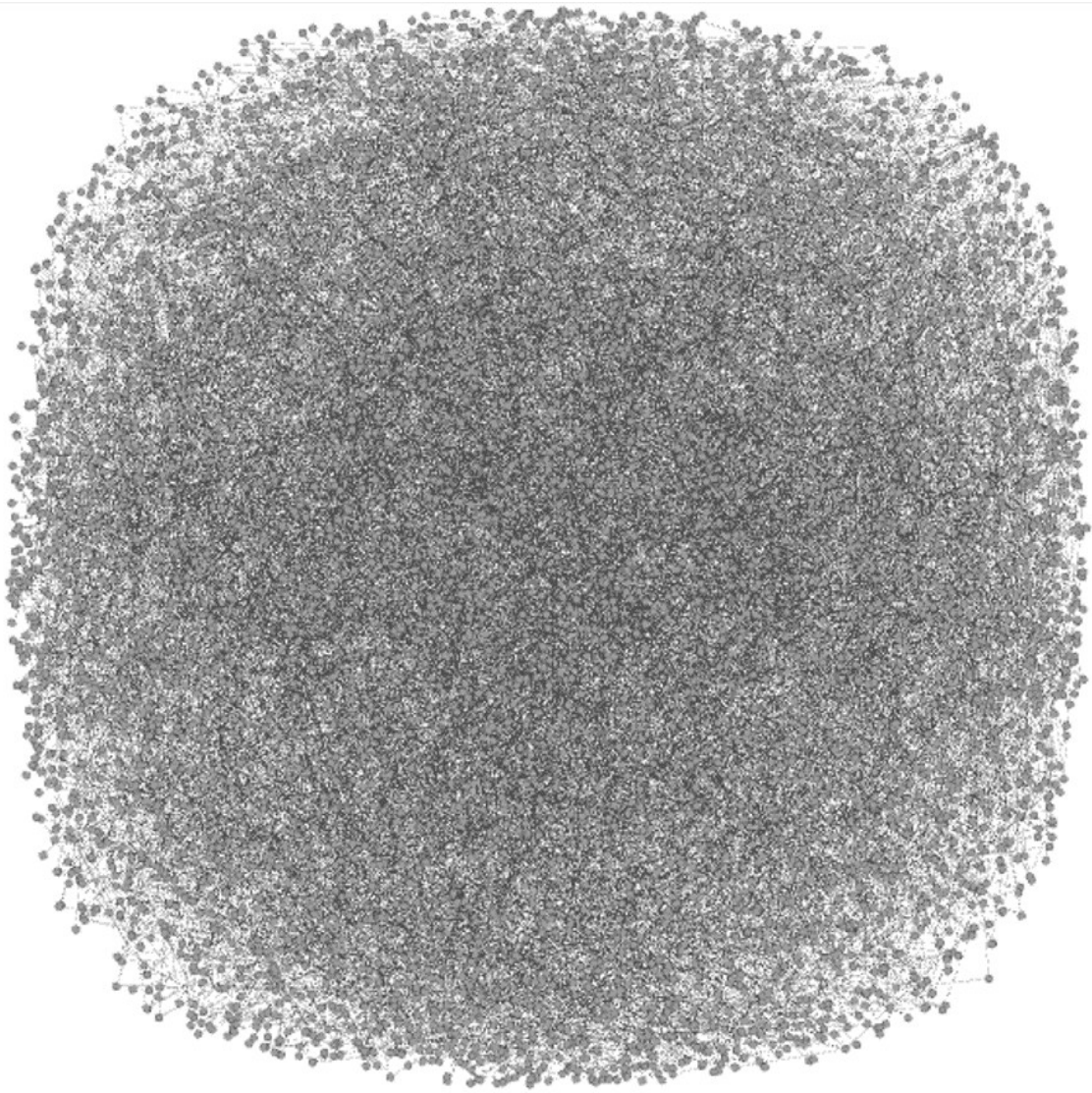
graph

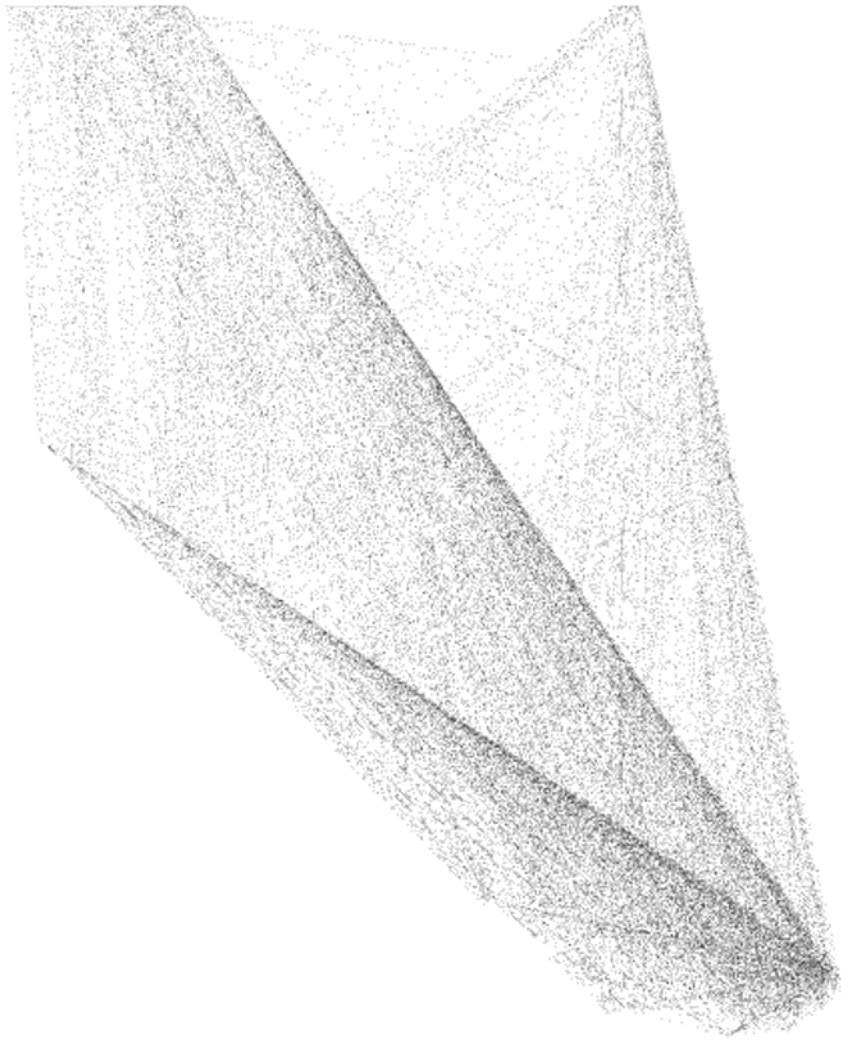
```
[
  directed 0
  node
  [
    id 0
  ]
  node
  [
    id 1
  ]
  node
  [
    id 2
  ]
  node
  [
    id 3
  ]
  node
  [
    id 4
  ]
]
```

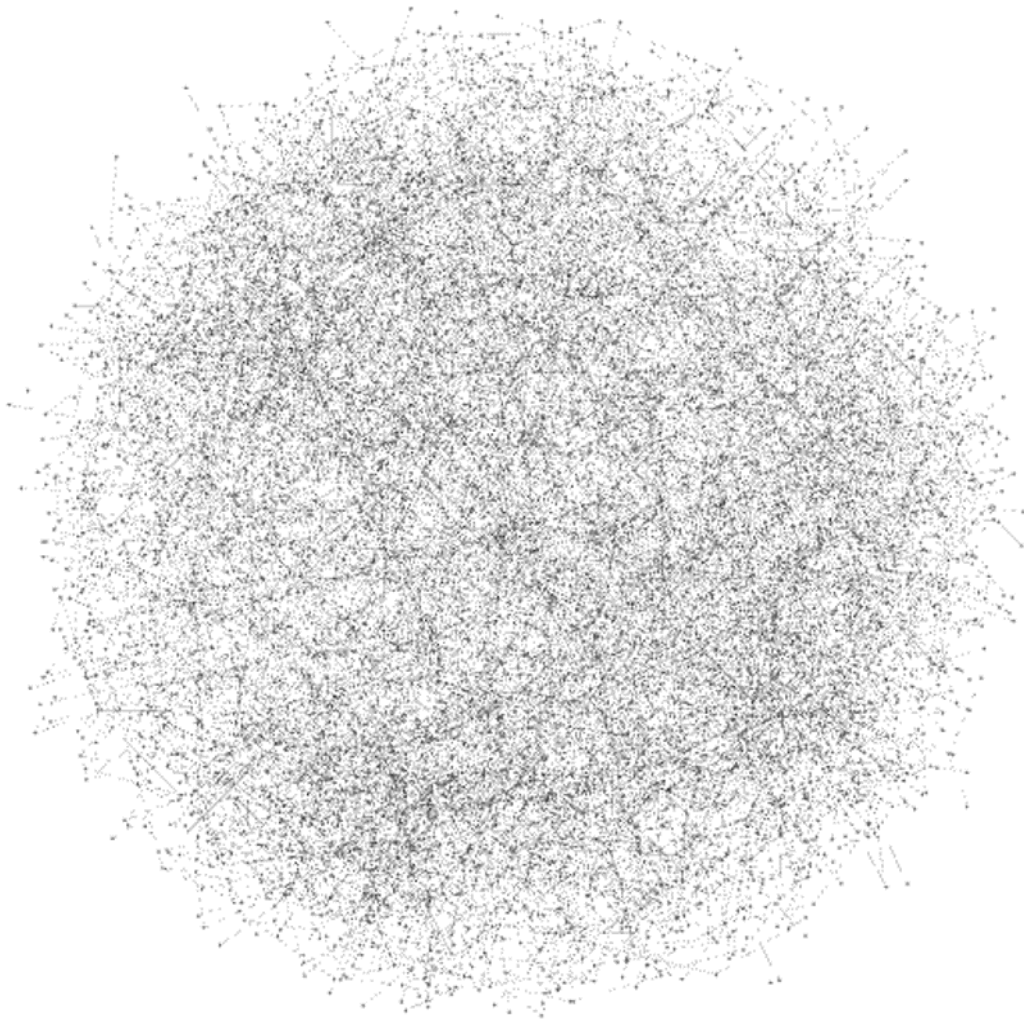
```
edge
[
  source 8
  target 6
]
edge
[
  source 8
  target 7
]
edge
[
  source 9
  target 8
]
edge
[
  source 10
  target 9
]
```



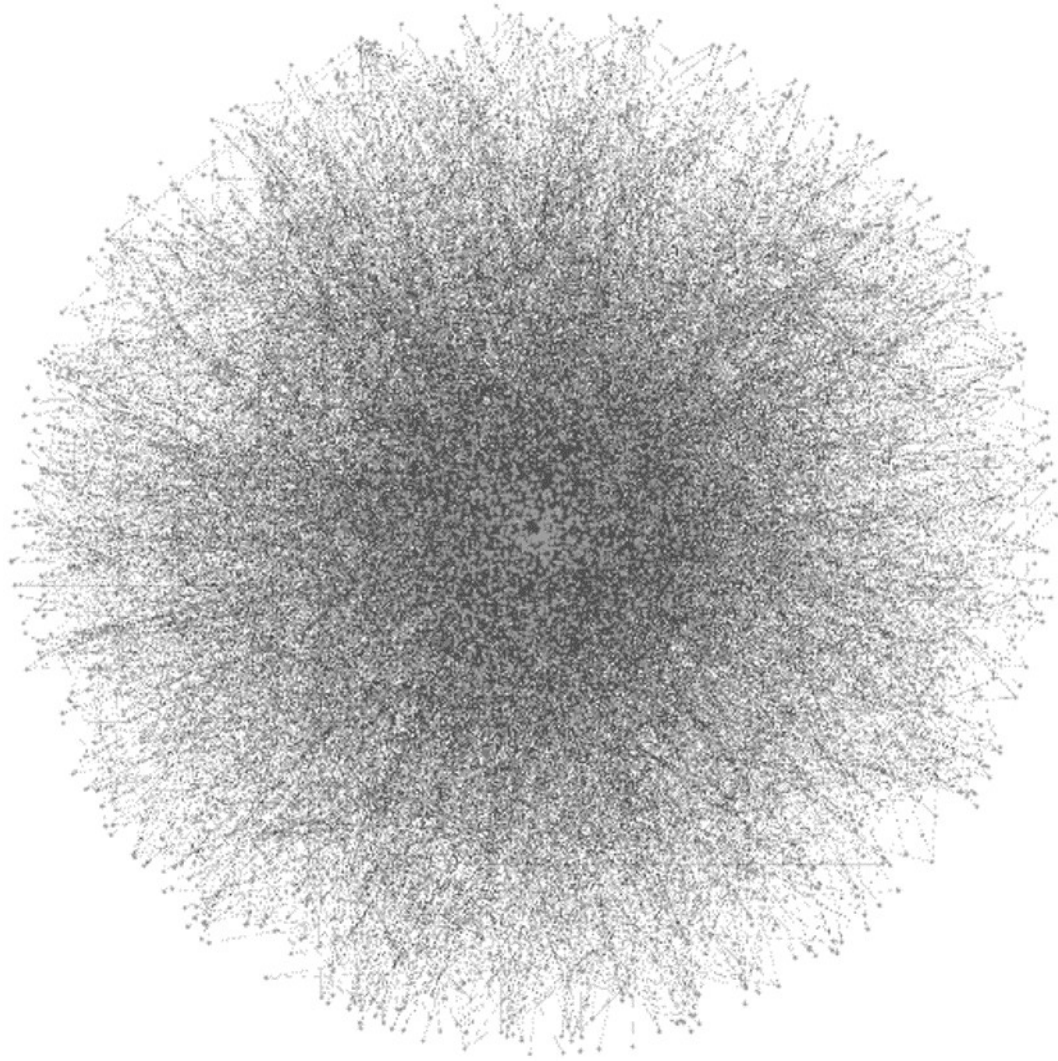


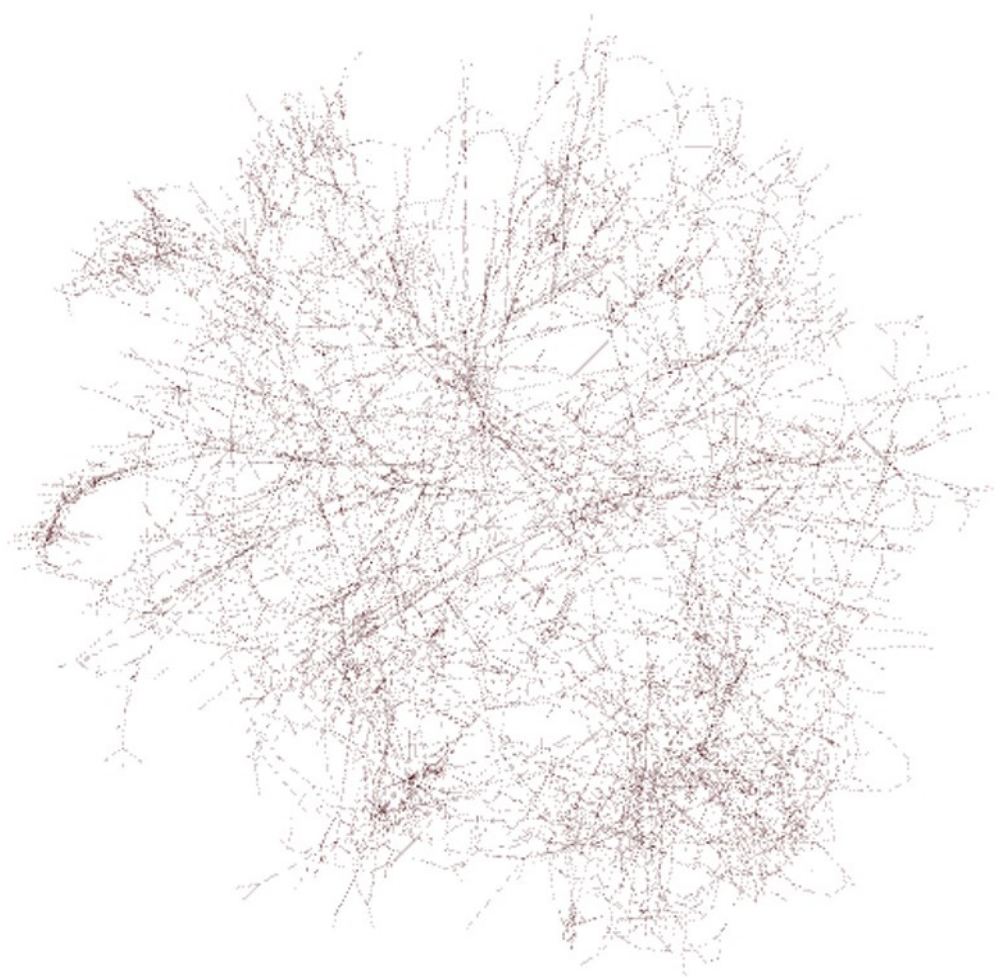


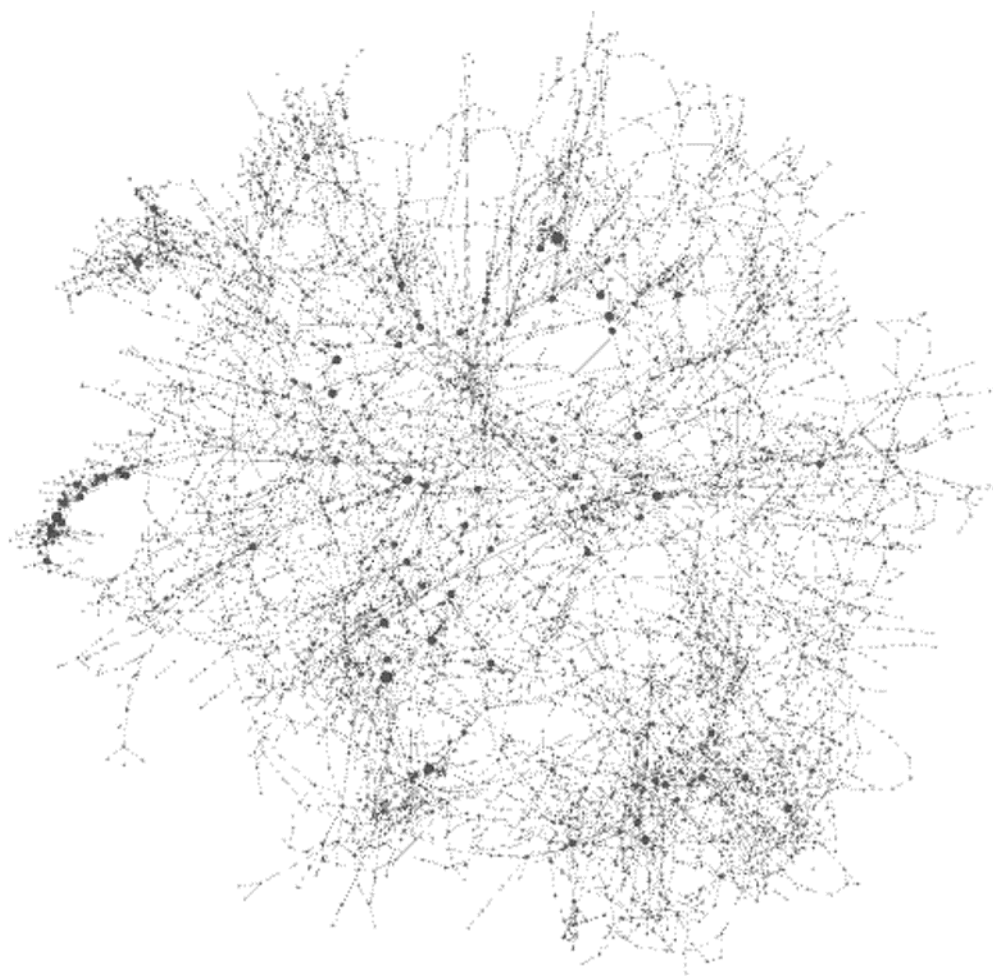


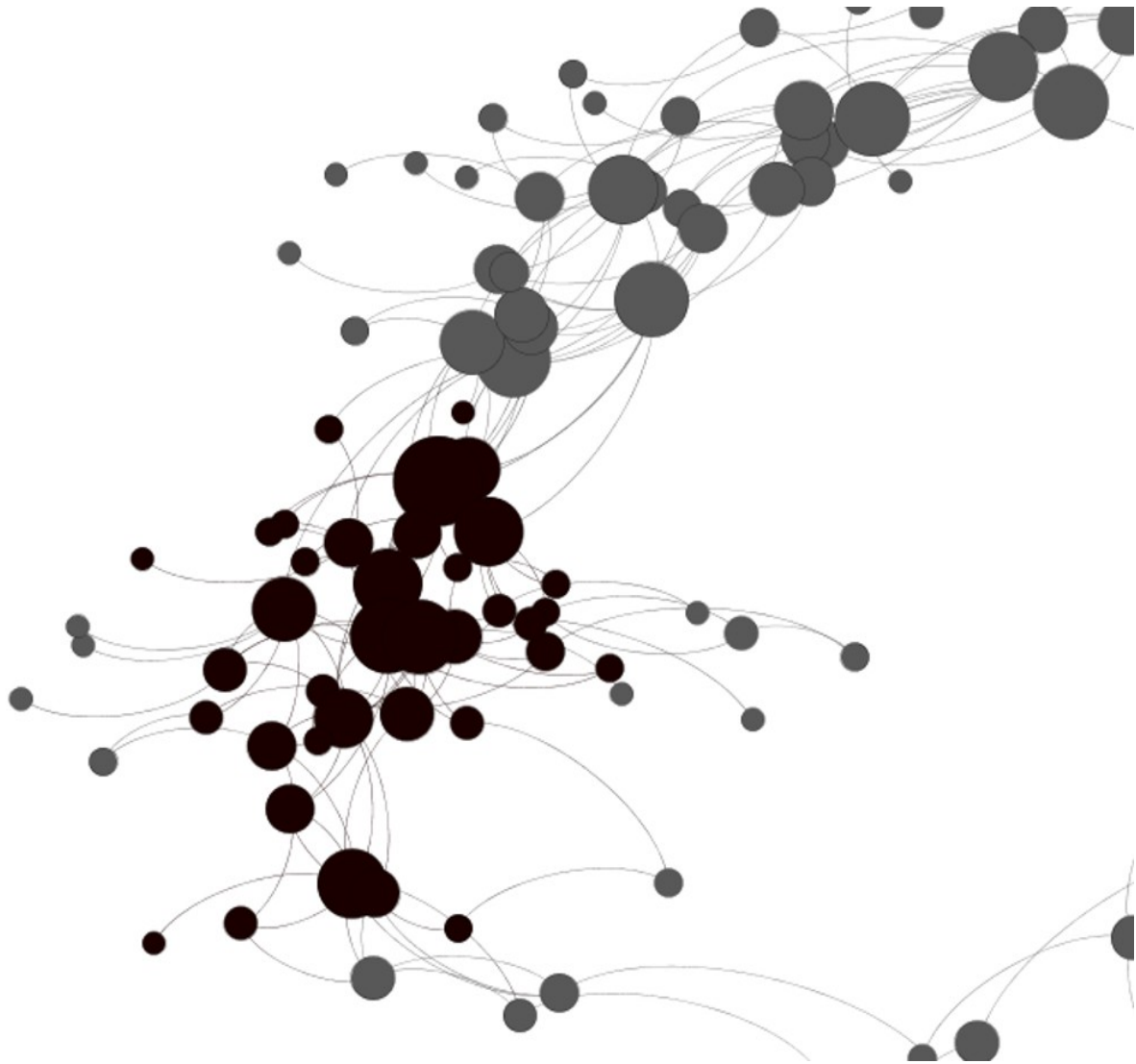












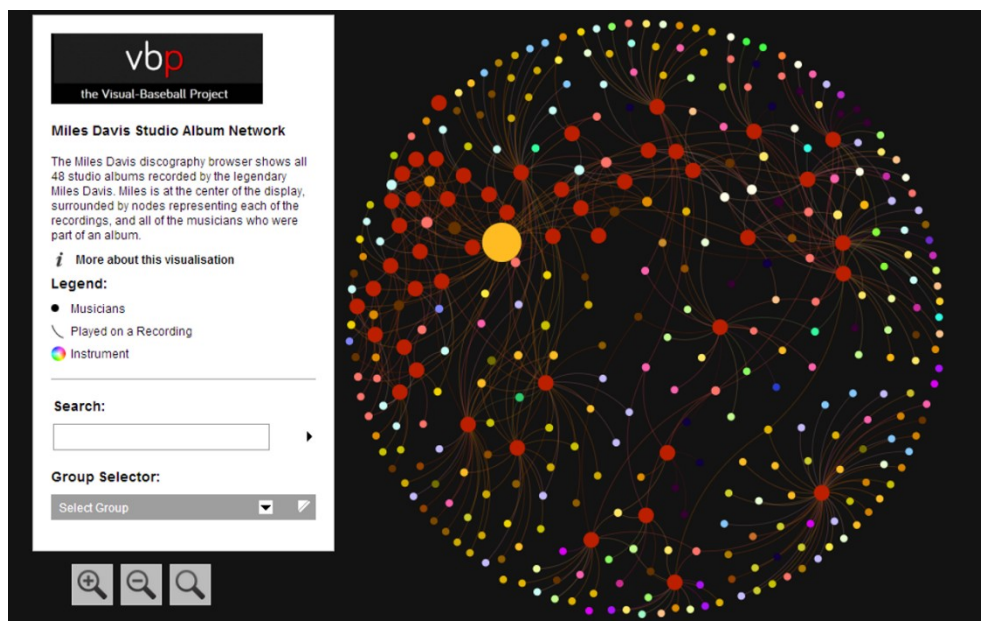
## Chapter 3

### Selecting the Layout

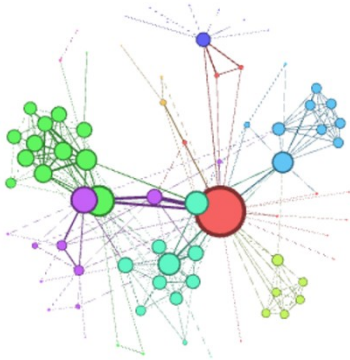
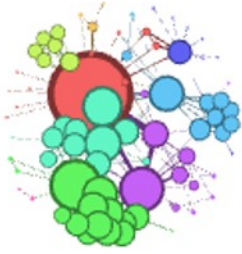
Nodes	Id	Label	Group	Nodes	Size	Released	Color
● Alto Flute - Dave Liebman	Alto Flute - Dave Liebman		Alto Flute		1		#d2d2d2
● Electric Violin - Michal Urbaniak	Electric Violin - Michal Urbaniak		Electric Violin		1		#a52a2a
● Shaker - Juma Santos	Shaker - Juma Santos		Shaker		1		#f6f6df
● Handcuffs - James Prindiville	Handcuffs - James Prindiville		Handcuffs		1		#ecec
● Synthesizer Bass - Robert Irving III	Synthesizer Bass - Robert Irving III		Synthesizer Bass		1		#626258
● African Percussion - James Mtume Foreman	African Percussion - James Mtume Foreman		African Percussion		1		#f5f5dc
● Cello - Paul Buckmaster	Cello - Paul Buckmaster		Cello		1		#731d1d
● Synclavier - George Duke	Synclavier - George Duke		Synclavier		1		#cfcfcf
● Triangle - Billy Cobham	Triangle - Billy Cobham		Triangle		1		#c4c4b0
● Conductor - Gil Evans	Conductor - Gil Evans		Conductor		4		#101010
● Baritone Sax - Gerry Mulligan	Baritone Sax - Gerry Mulligan		Baritone Sax		1		#998100
● Whistling - Hermeto Pascoal	Whistling - Hermeto Pascoal		Whistling		1		#e5ac6
● Berimbau - Airto Moreira	Berimbau - Airto Moreira		Berimbau		1		#7a7a6e

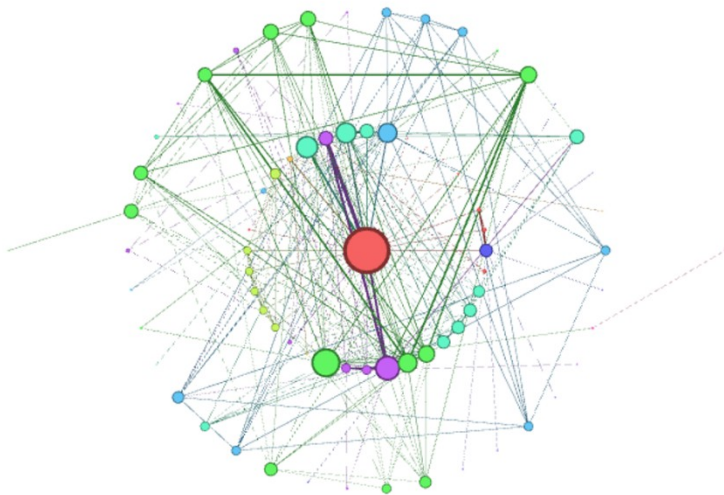
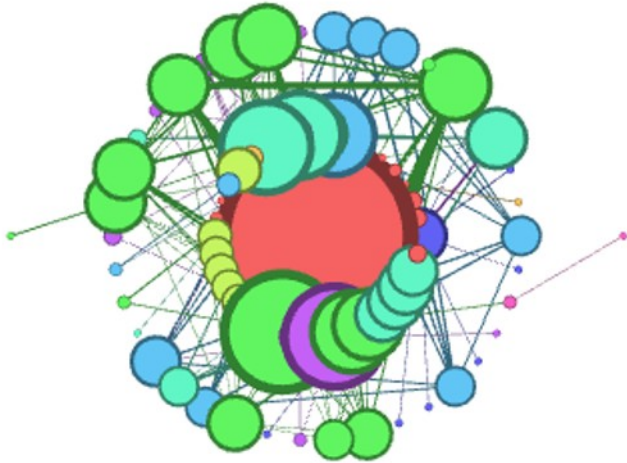
Source	Target	Type	Id
Trumpet - Miles Davis	Album - Blue Period	Undirected	221653
Trumpet - Miles Davis	Album - Dig	Undirected	221654
Trumpet - Miles Davis	Album - Blue Haze	Undirected	221655
Trumpet - Miles Davis	Album - Walkin'	Undirected	221656
Trumpet - Miles Davis	Album - Miles Davis and Horns	Undirected	221657
Trumpet - Miles Davis	Album - The Musings of Miles	Undirected	221658
Trumpet - Miles Davis	Album - Blue Moods	Undirected	221659
Trumpet - Miles Davis	Album - Quintet/Sextet	Undirected	221660
Trumpet - Miles Davis	Album - Miles: The New Miles Davis Quintet	Undirected	221661
Trumpet - Miles Davis	Album - Collectors' Items	Undirected	221662
Trumpet - Miles Davis	Album - Bags' Groove	Undirected	221663

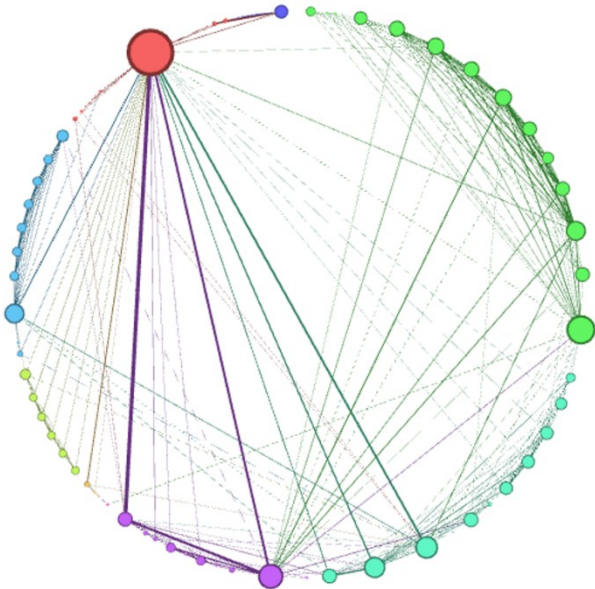
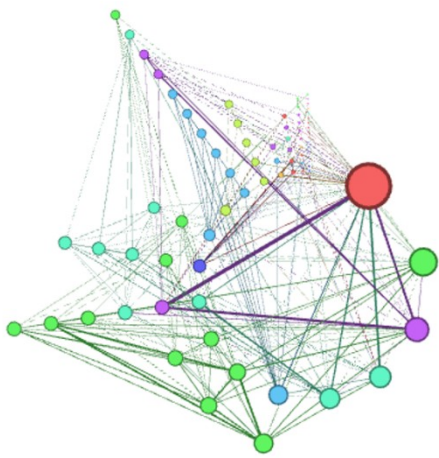
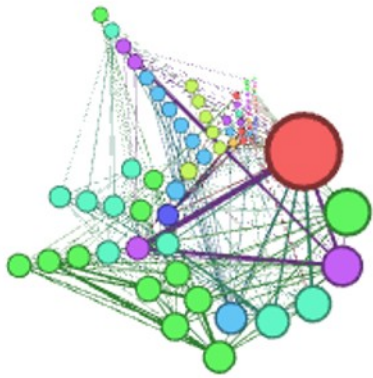
Source_base	Target_base	Source_detail	Target_detail
Miles Davis	Blue Period	Trumpet	Album
Miles Davis	Dig	Trumpet	Album
Miles Davis	Blue Haze	Trumpet	Album
Miles Davis	Walkin'	Trumpet	Album
Miles Davis	Miles Davis and Horns	Trumpet	Album
Miles Davis	The Musings of Miles	Trumpet	Album
Miles Davis	Blue Moods	Trumpet	Album
Miles Davis	Quintet/Sextet	Trumpet	Album
Miles Davis	Miles: The New Miles D...	Trumpet	Album
Miles Davis	Collectors' Items	Trumpet	Album
Miles Davis	Bags' Groove	Trumpet	Album



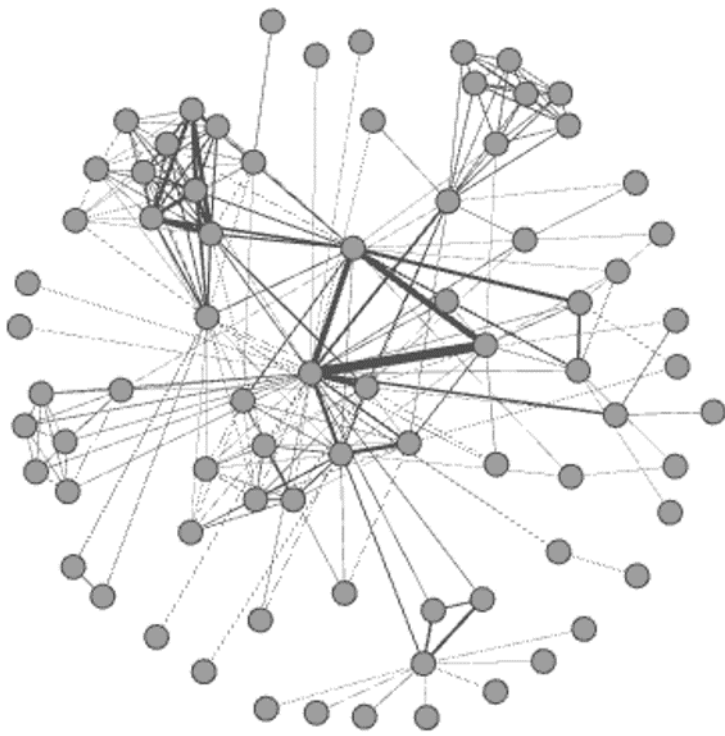
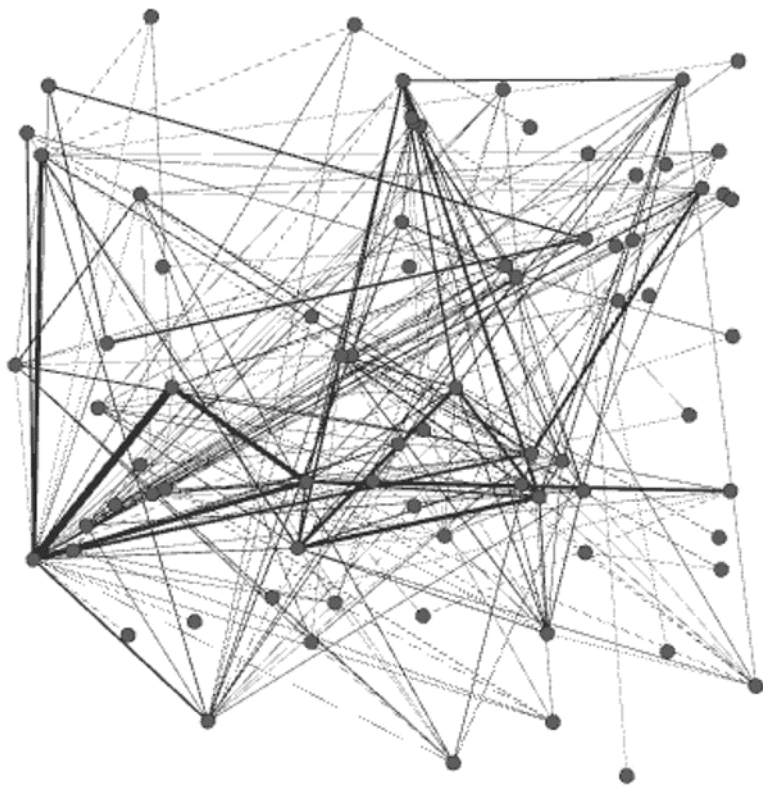


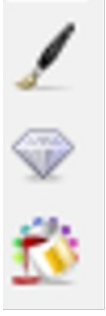








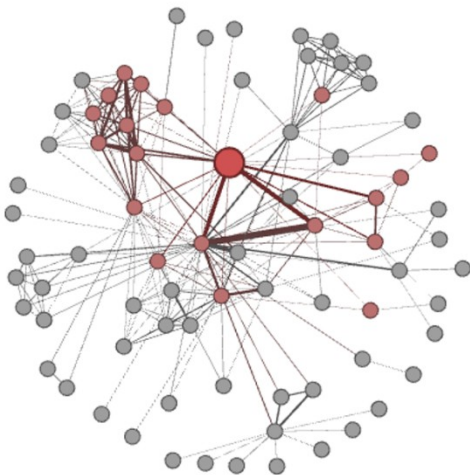
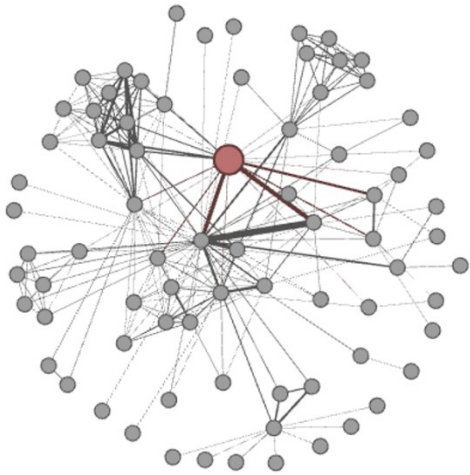




Painter

Sizer

Brush



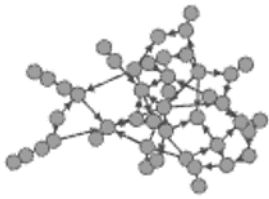
Chapter 4

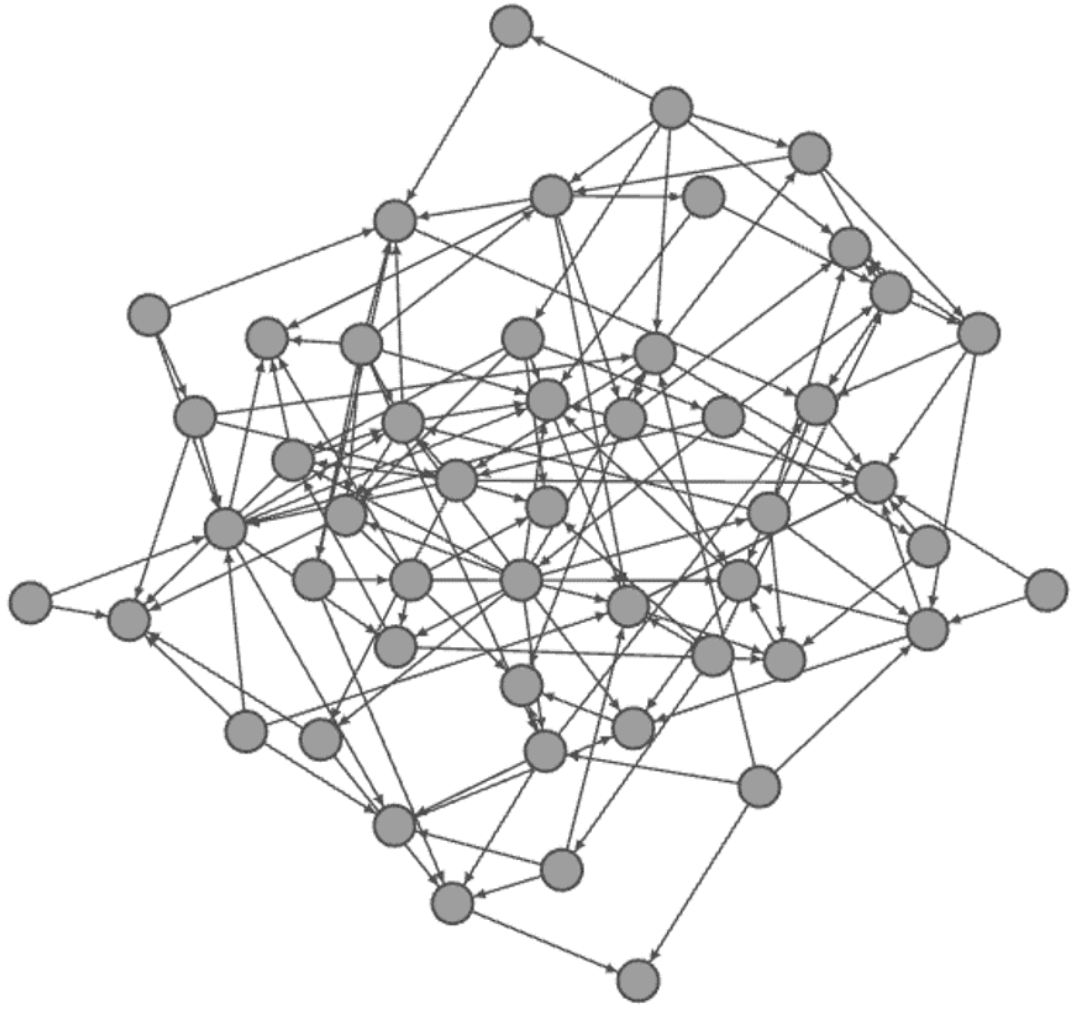
Network Patterns

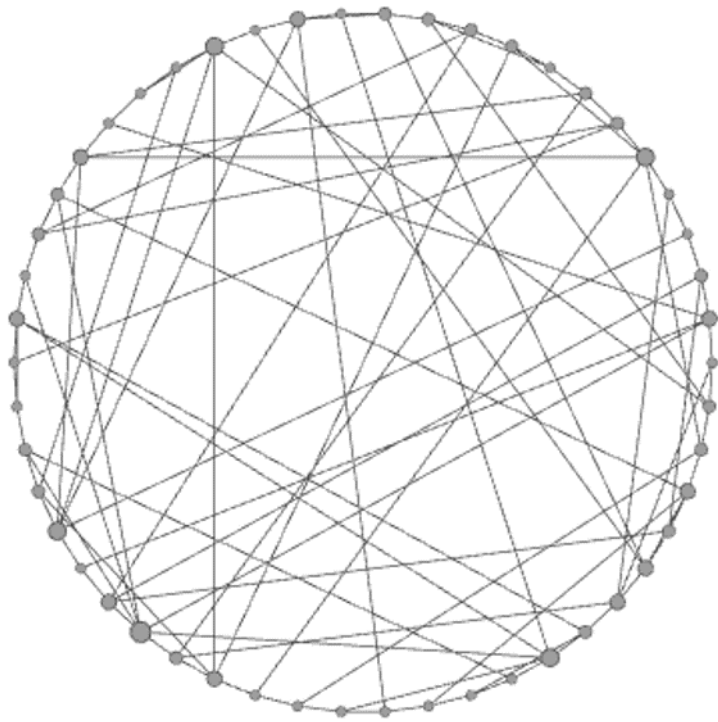
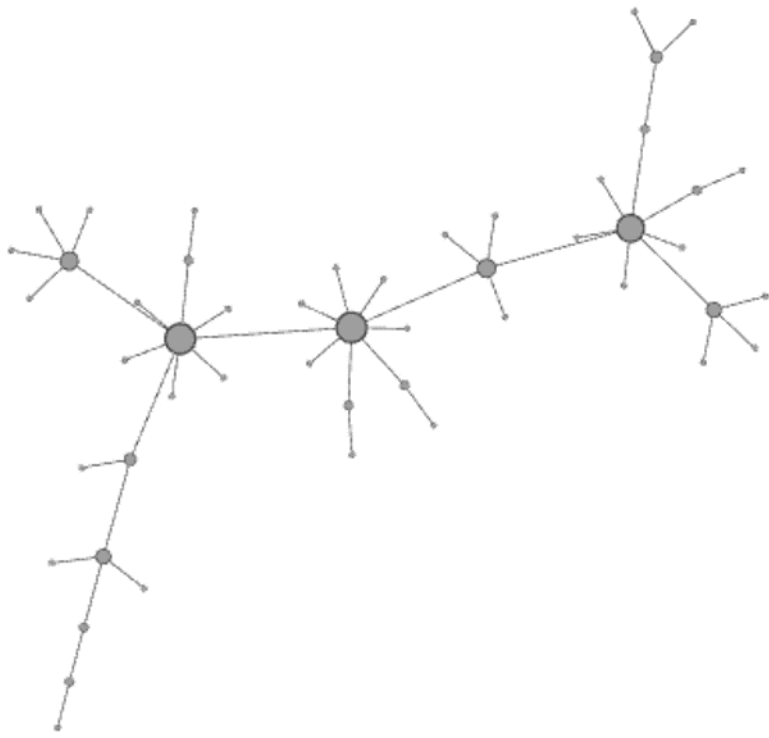
Susceptible → Infectious → Removed

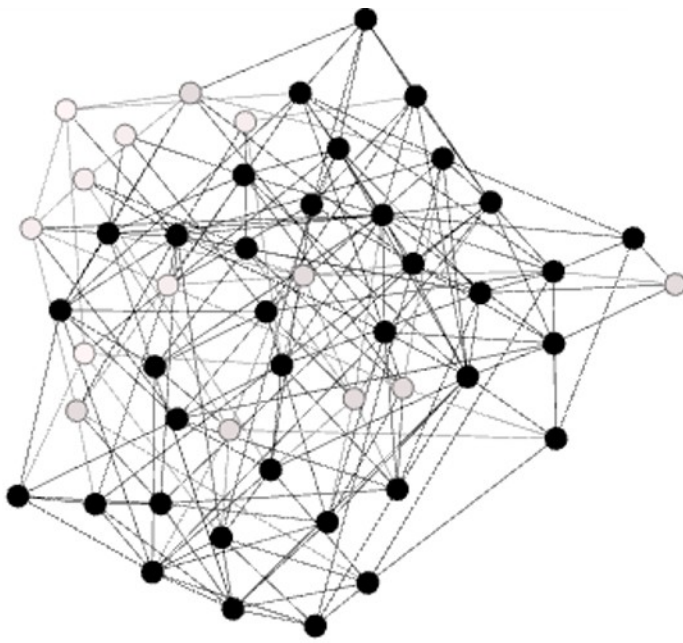
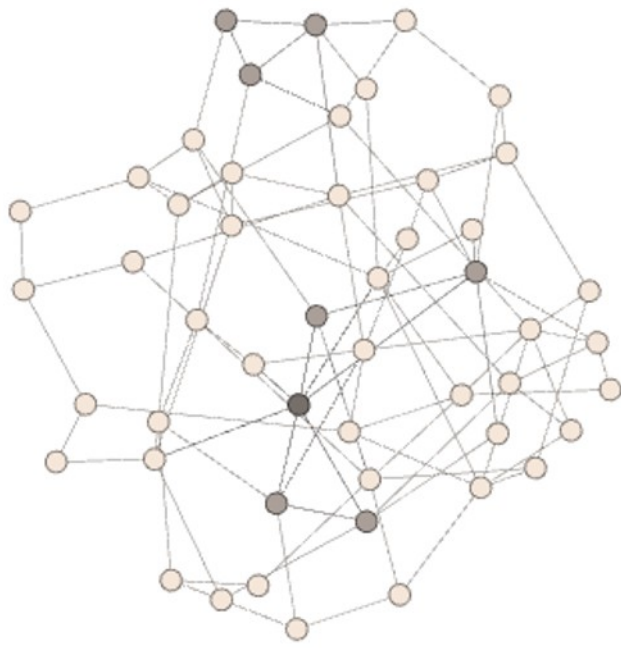
Susceptible → Infectious → Susceptible

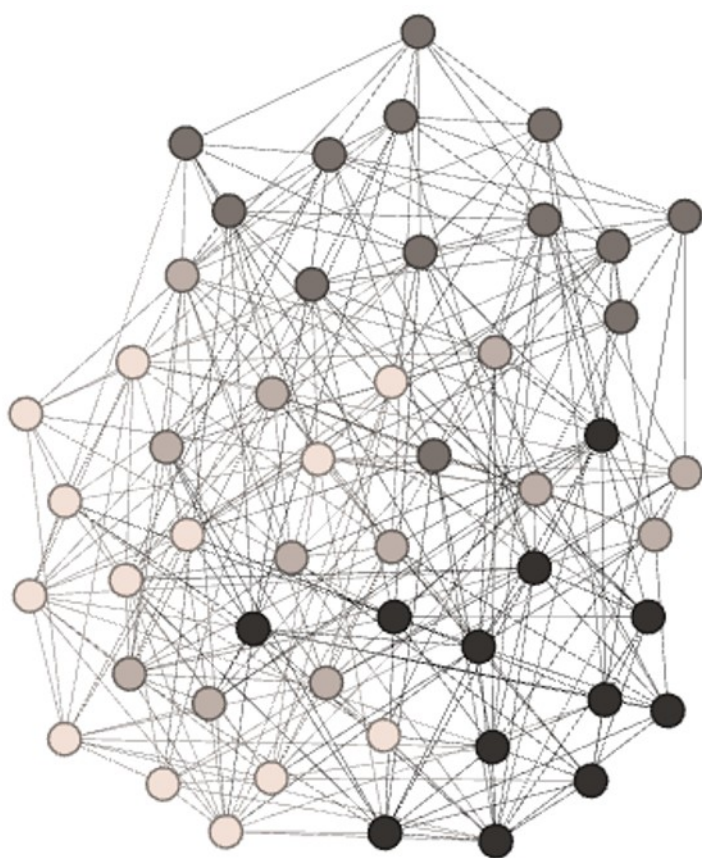
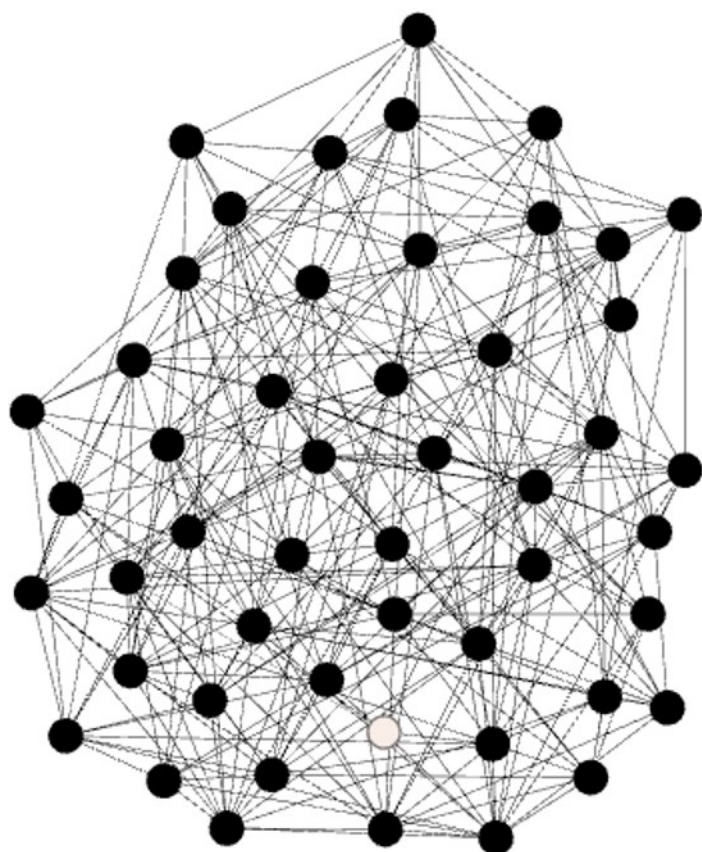
Susceptible → Infectious → Removed → Susceptible





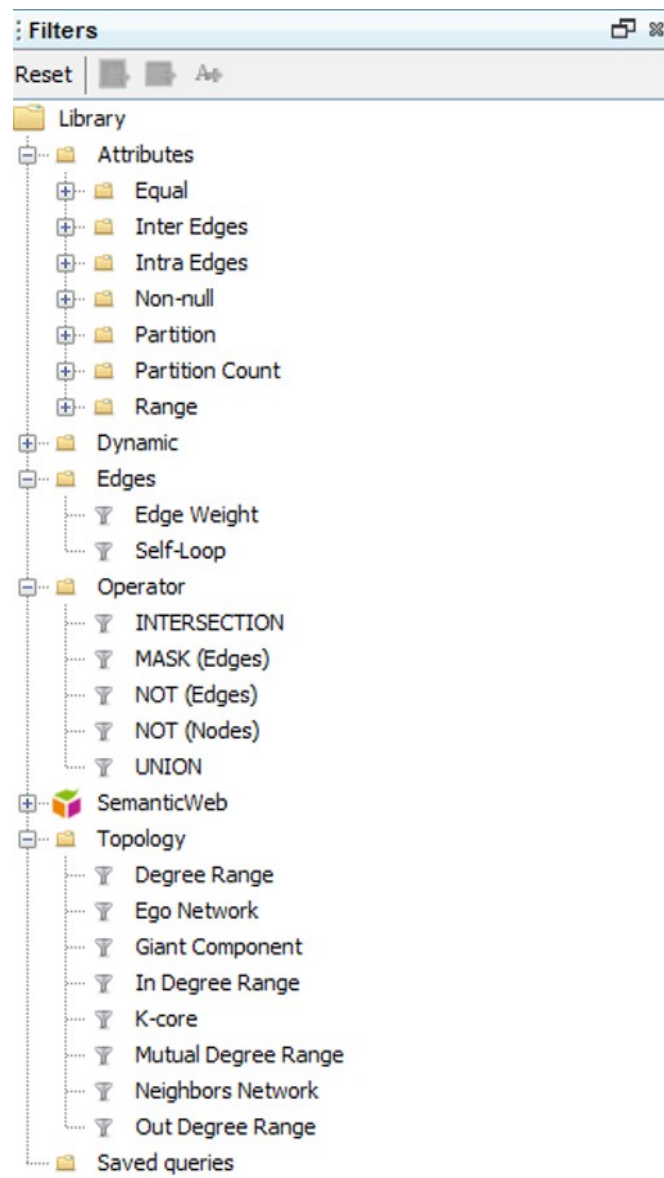




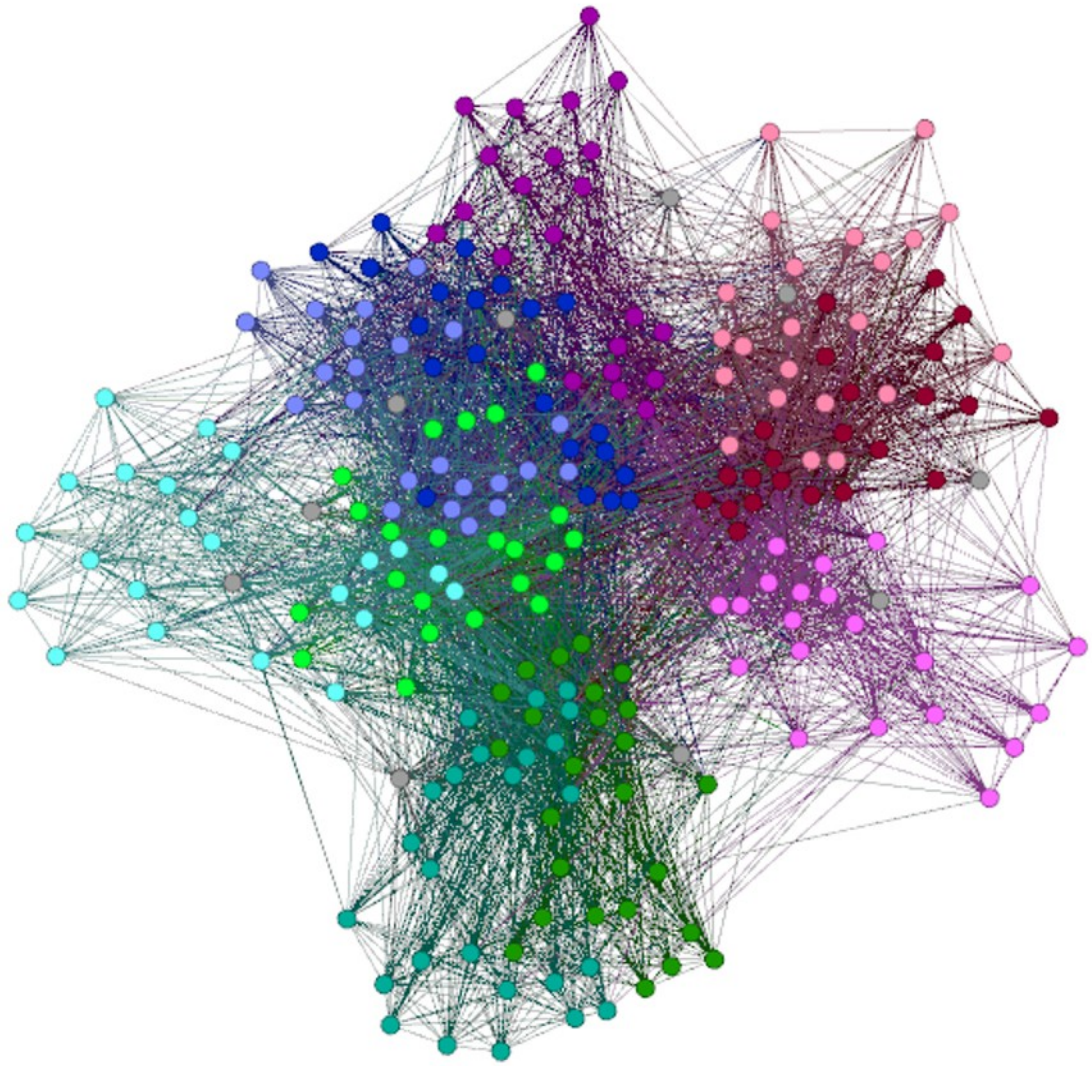


## Chapter 5

### Working with Filters







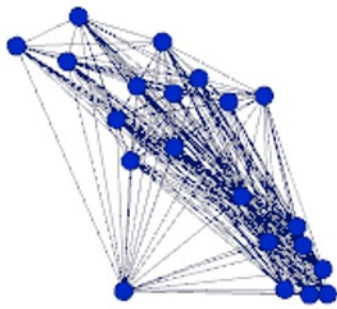
Queries

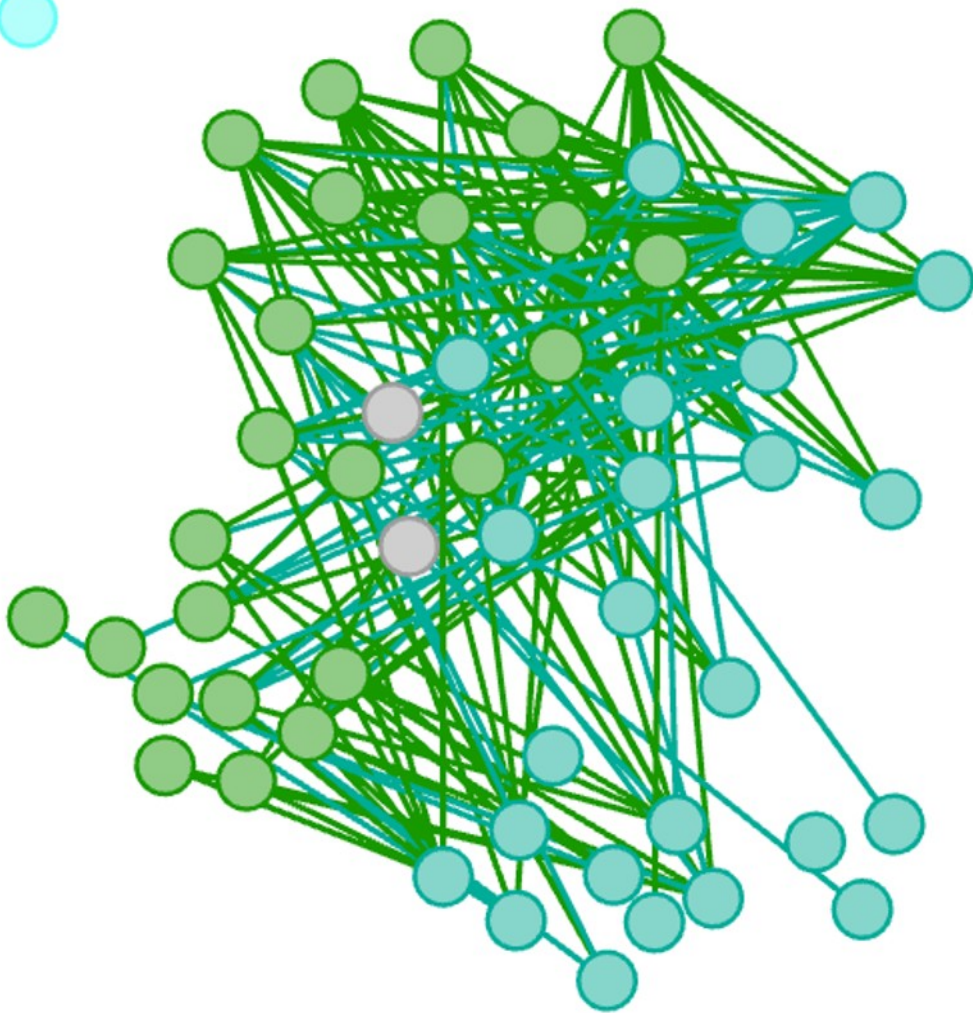
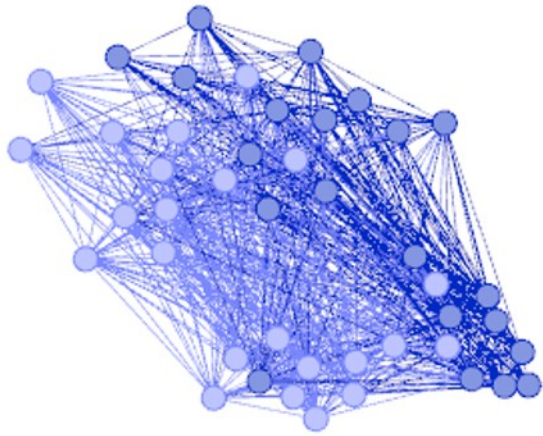
- Equal (gender)

Equal (gender) Settings

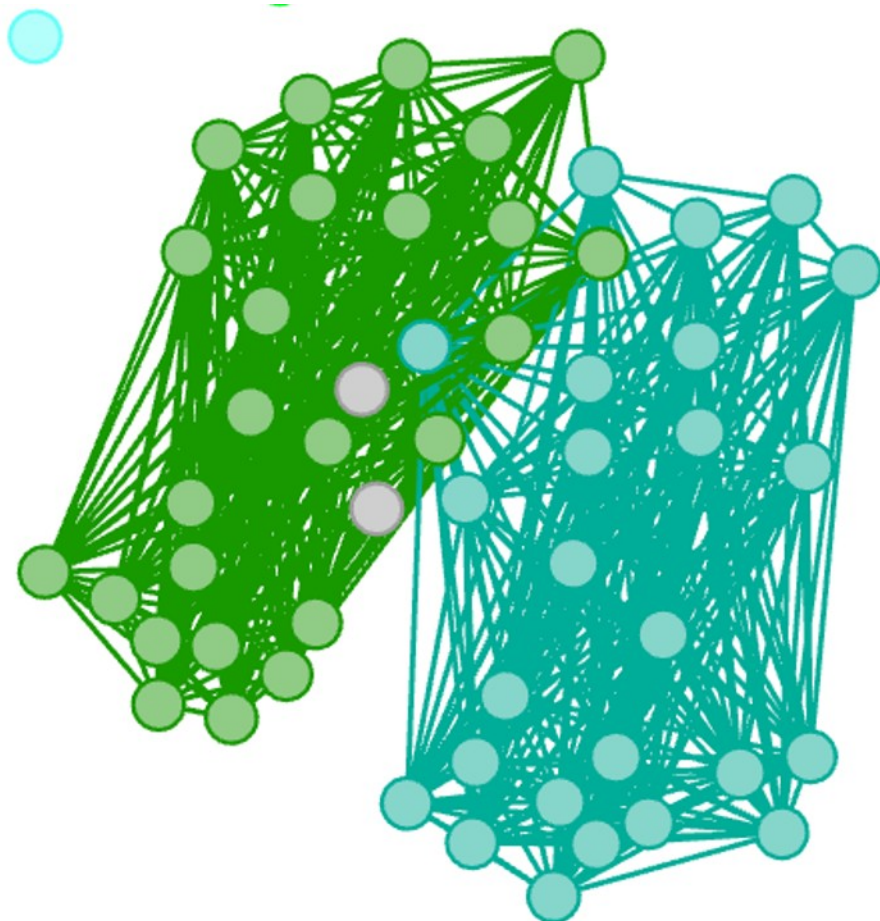
Pattern:

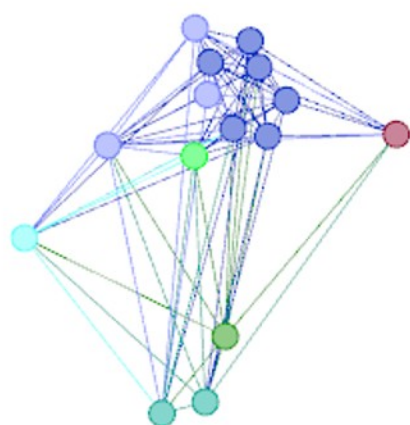
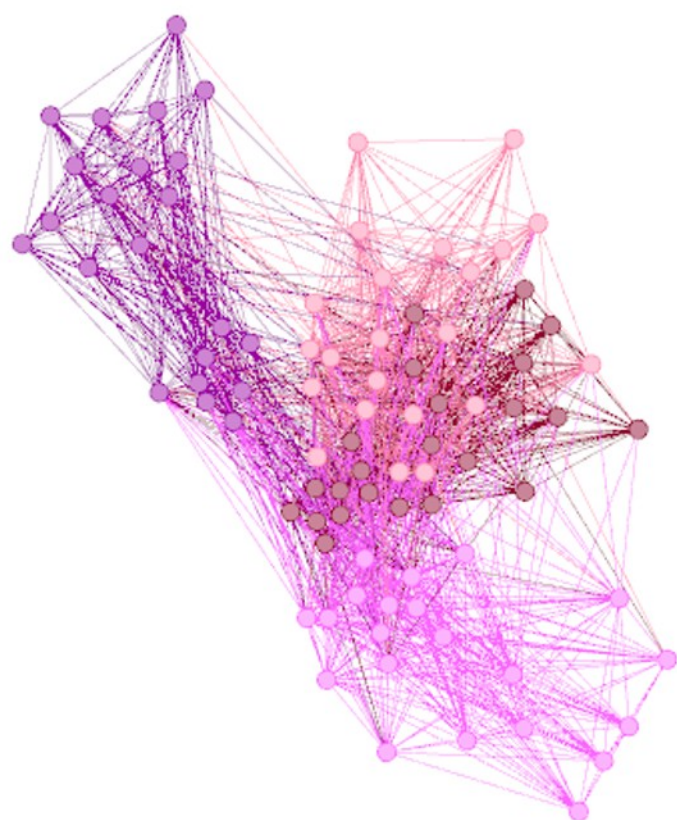
Use regex

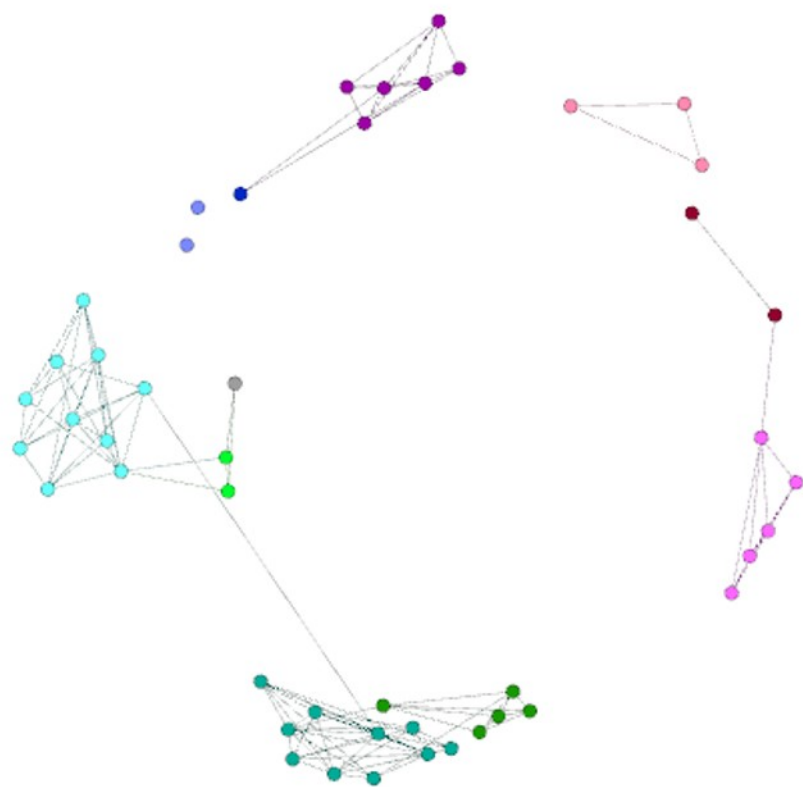


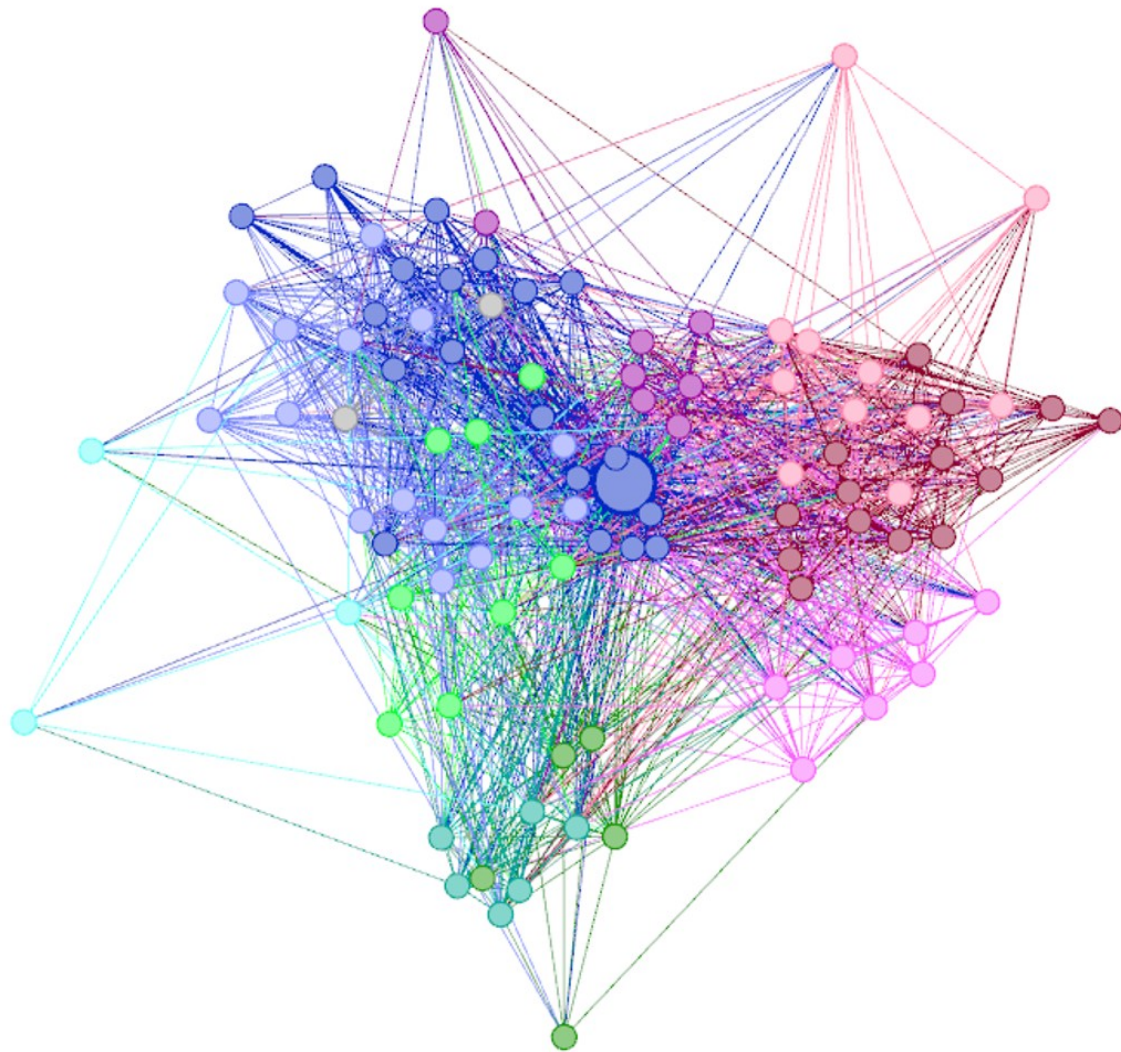












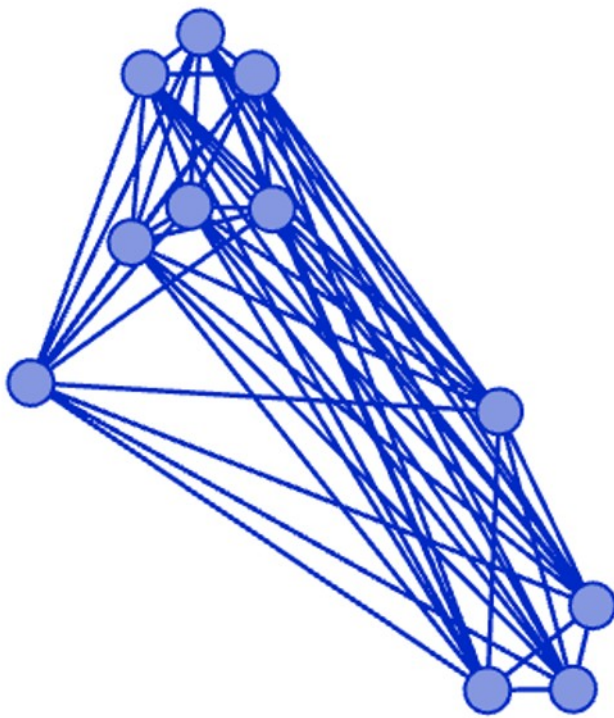
Queries

- Equal (classname)
  - Parameters
    - column: classname (String)
    - pattern: 3B
    - useRegex: false
  - Equal (gender)
    - Parameters
      - column: gender (String)
      - pattern: F
      - useRegex: false
    - Drag subfilter here

Equal (gender) Settings

Pattern:

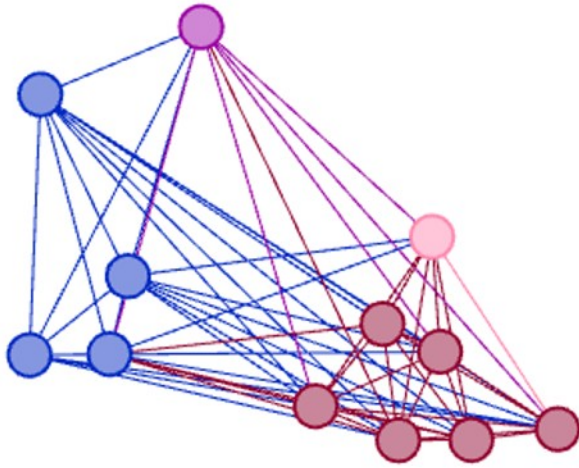
Use regex



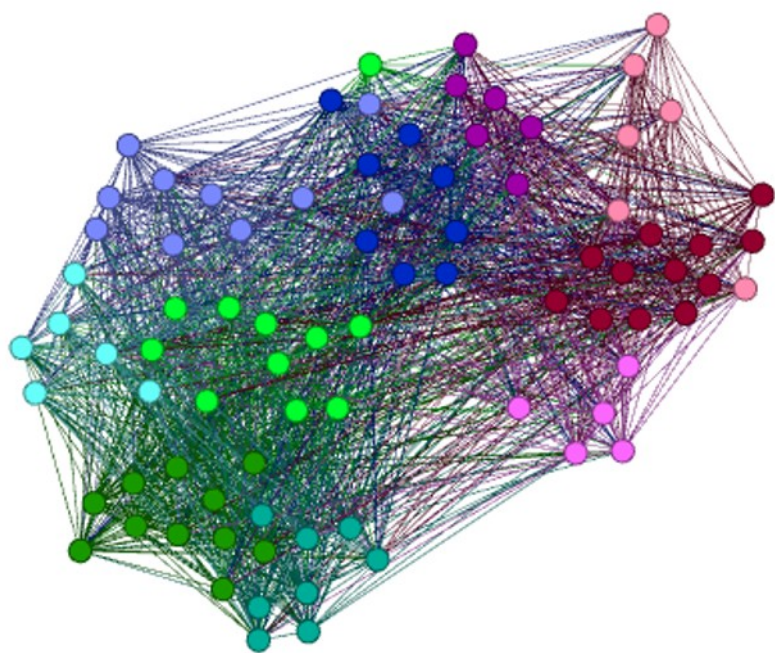
Queries

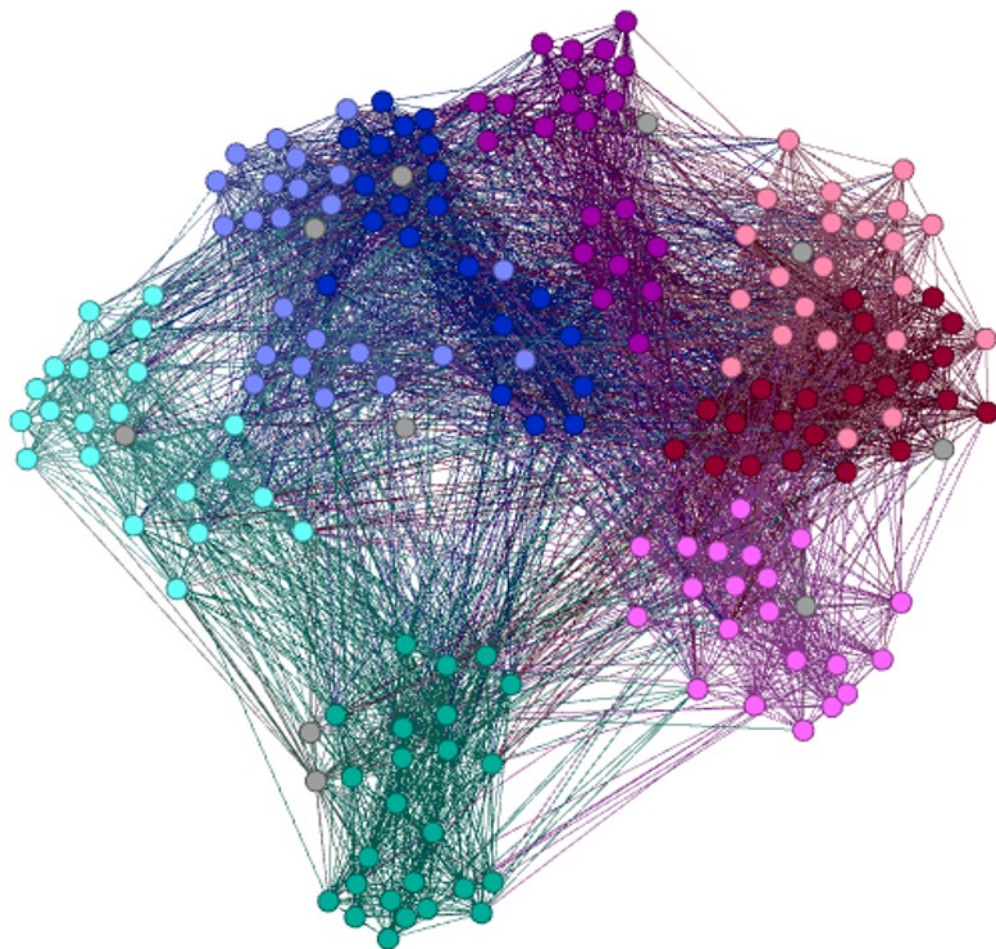
- Partition (gender)
  - Parameters
    - column: gender (String)
    - parts: [F]
- Degree Range
  - Parameters
  - NOT (Nodes)
    - Partition (classname)
      - Parameters
        - column: classname (String)
        - parts: [1B, 1A]
      - Drag subfilter here



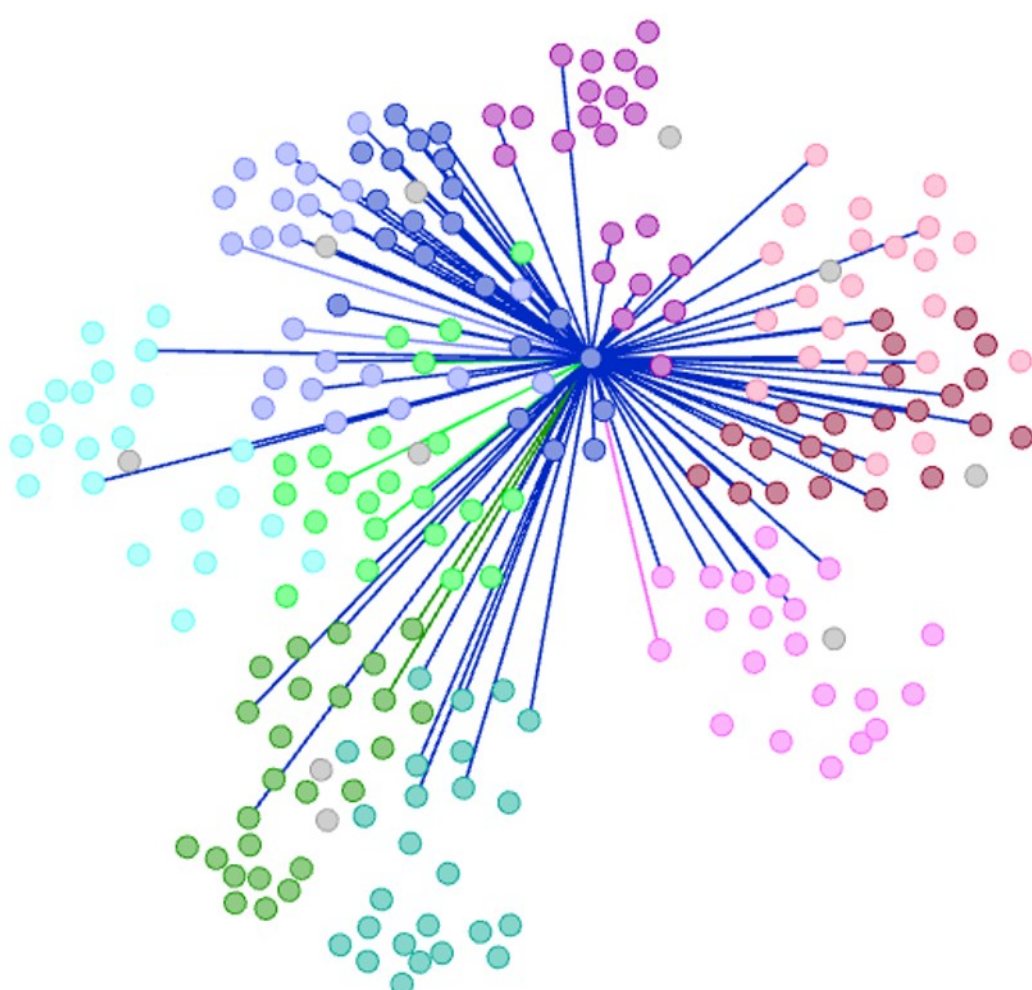


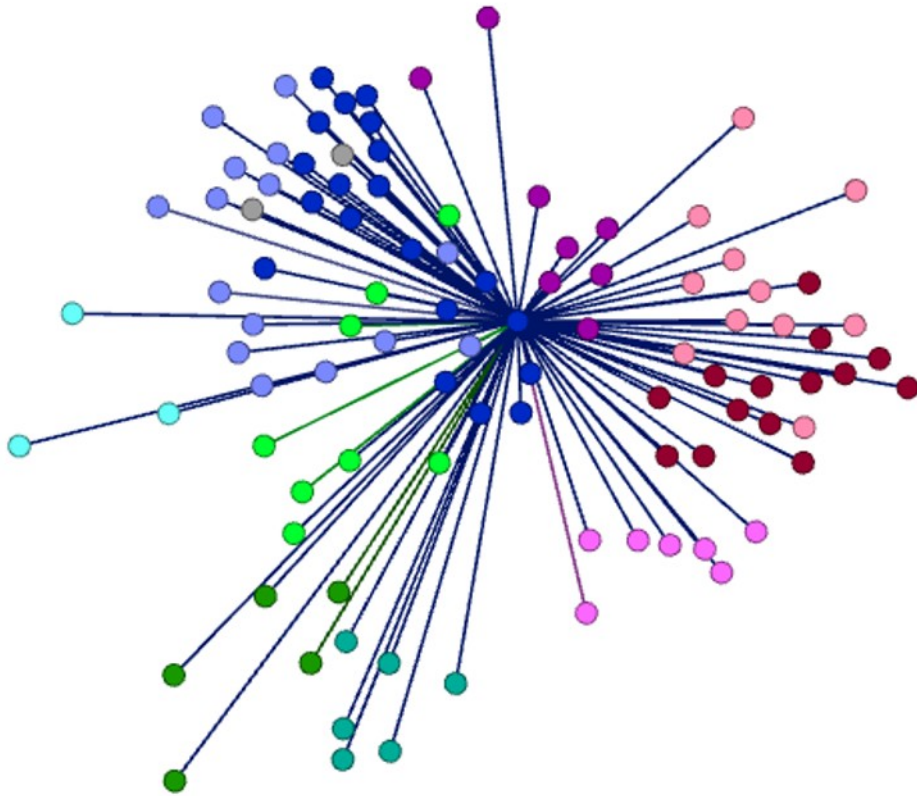
- [-] [Y] Partition (gender)
  - [-] [P] Parameters
    - column: gender (String)
    - parts: [F]
  - [G] Drag subfilter here
- [-] [Y] Degree Range
  - [-] [P] Parameters
    - range: 60 - 98
  - [G] Drag subfilter here
- [-] [Y] NOT (Nodes)
  - [-] [Y] Partition (classname)
    - [-] [P] Parameters
    - [G] Drag subfilter here





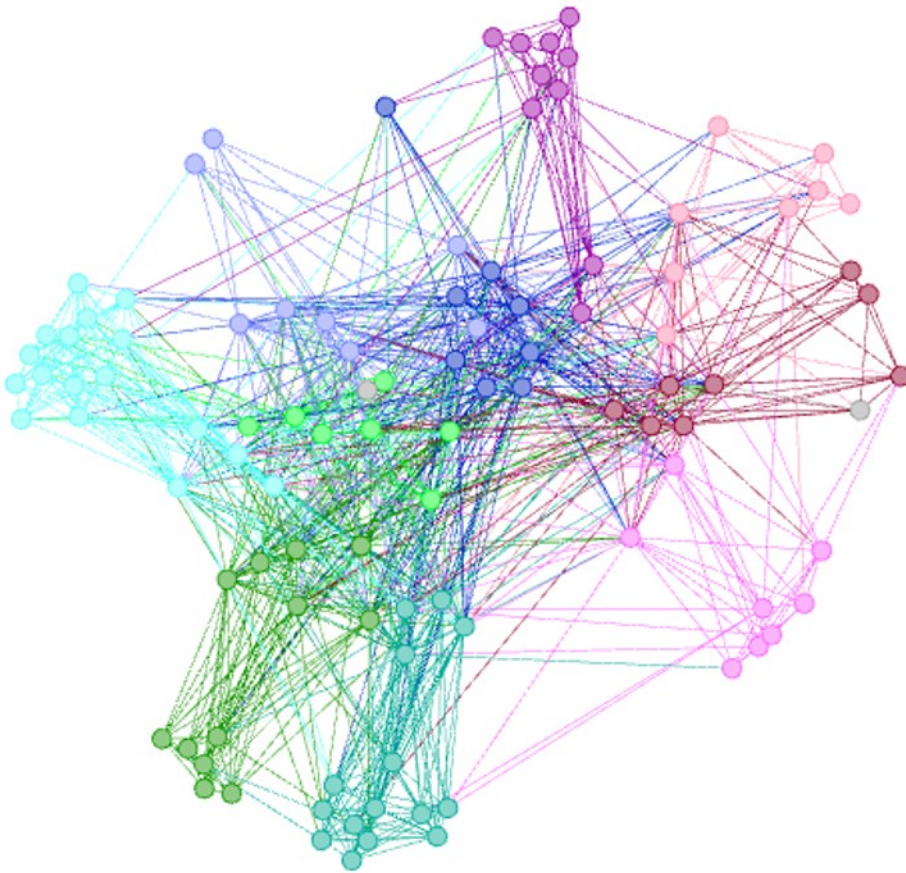
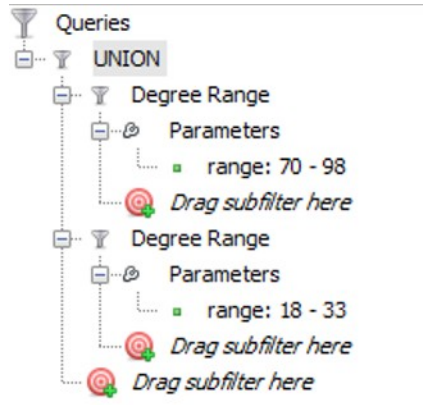






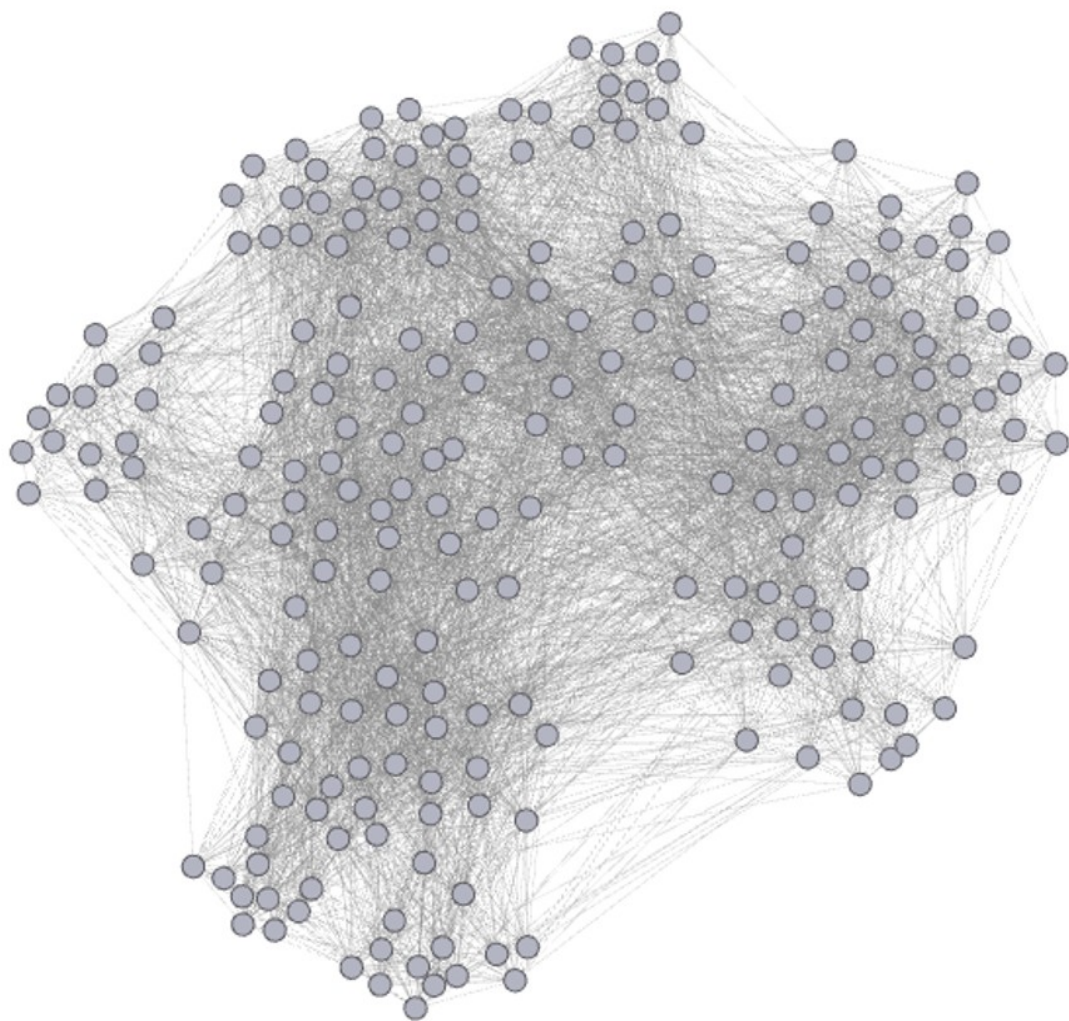
Queries

- INTERSECTION
  - MASK (Edges)
    - Equal (Id)
      - Parameters
        - column: Id (String)
        - pattern: 1551
        - useRegex: false
      - Equal (Id)
    - Ego Network
      - Parameters
        - pattern: 1551
        - depth: 1
        - self: true

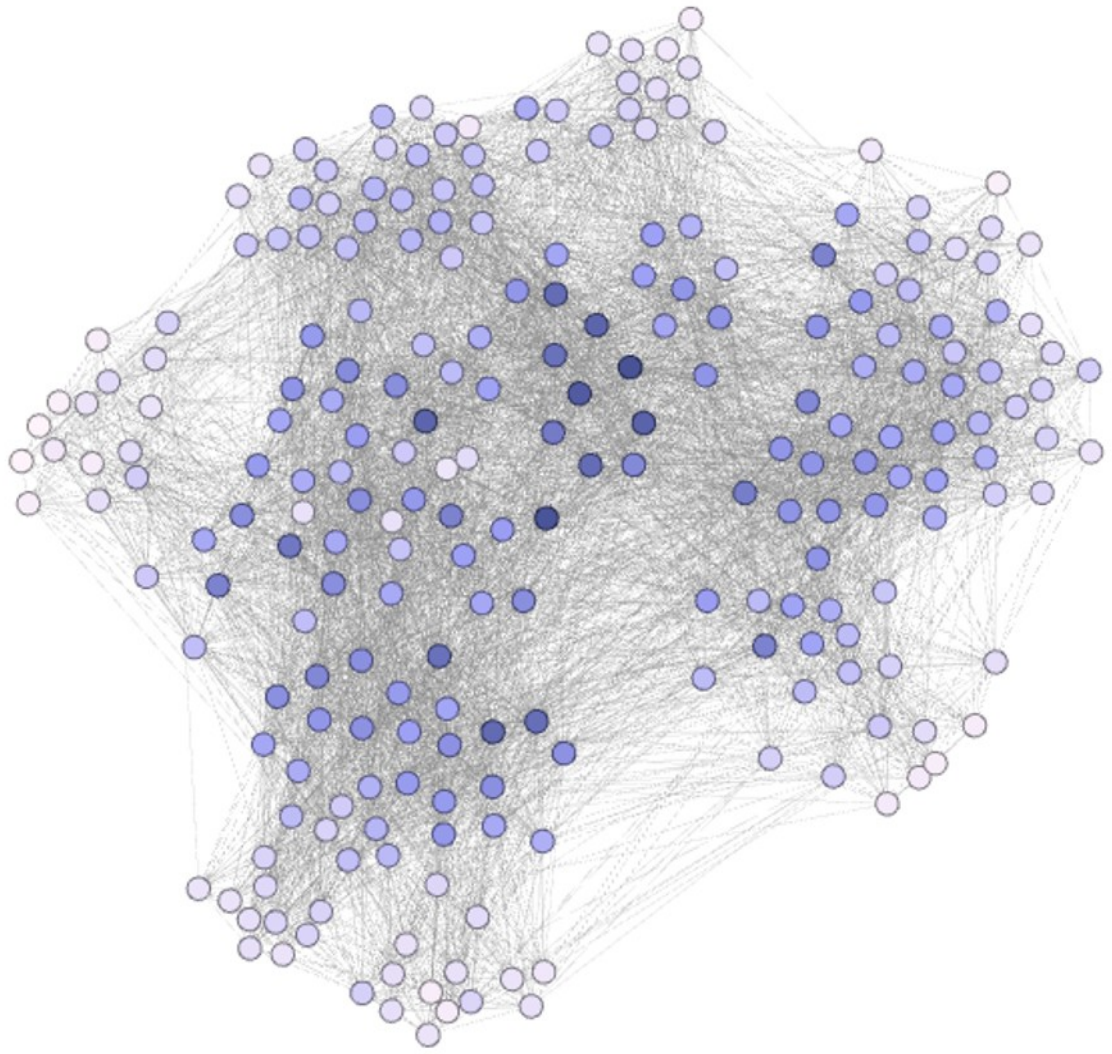


Chapter 6

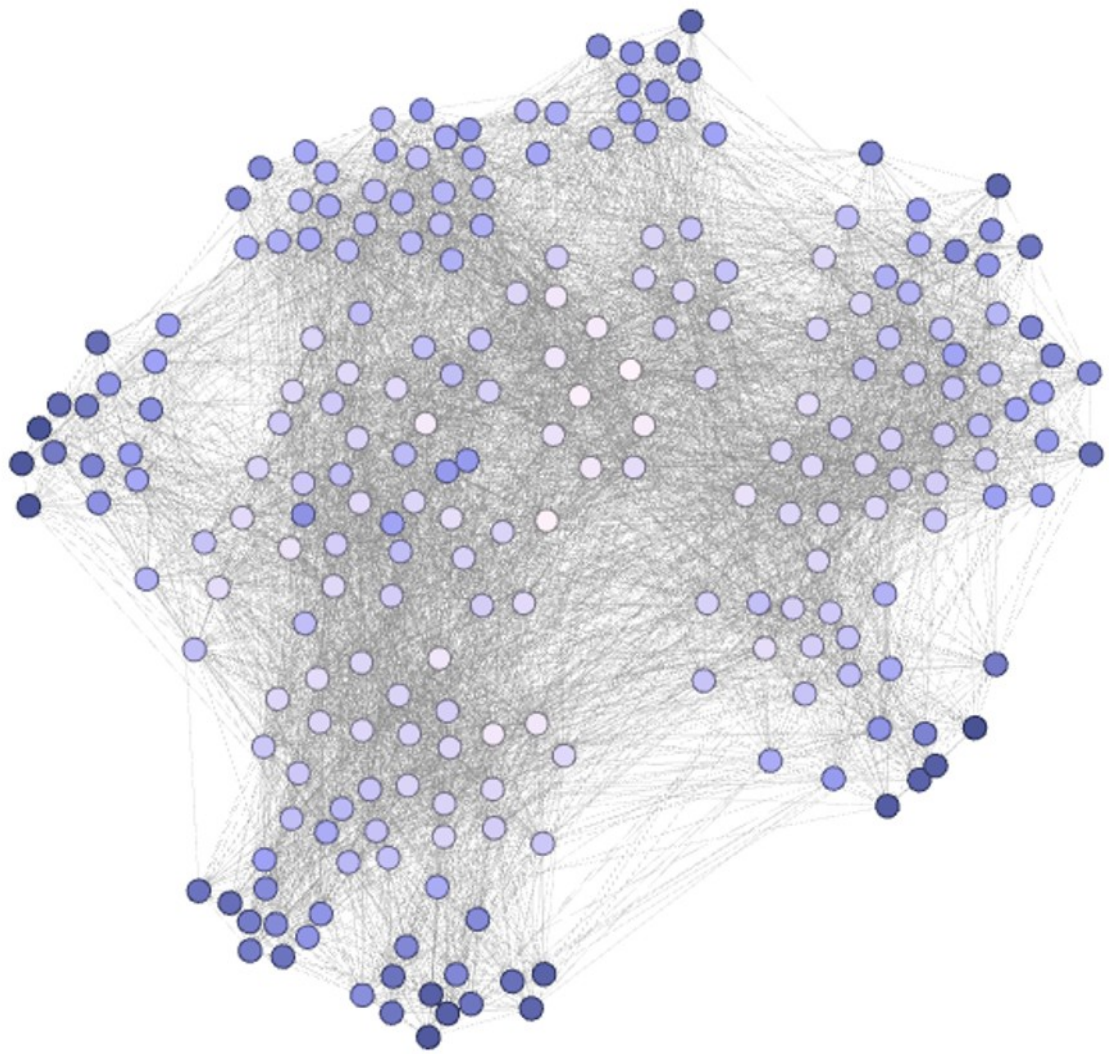
Graph Statistics

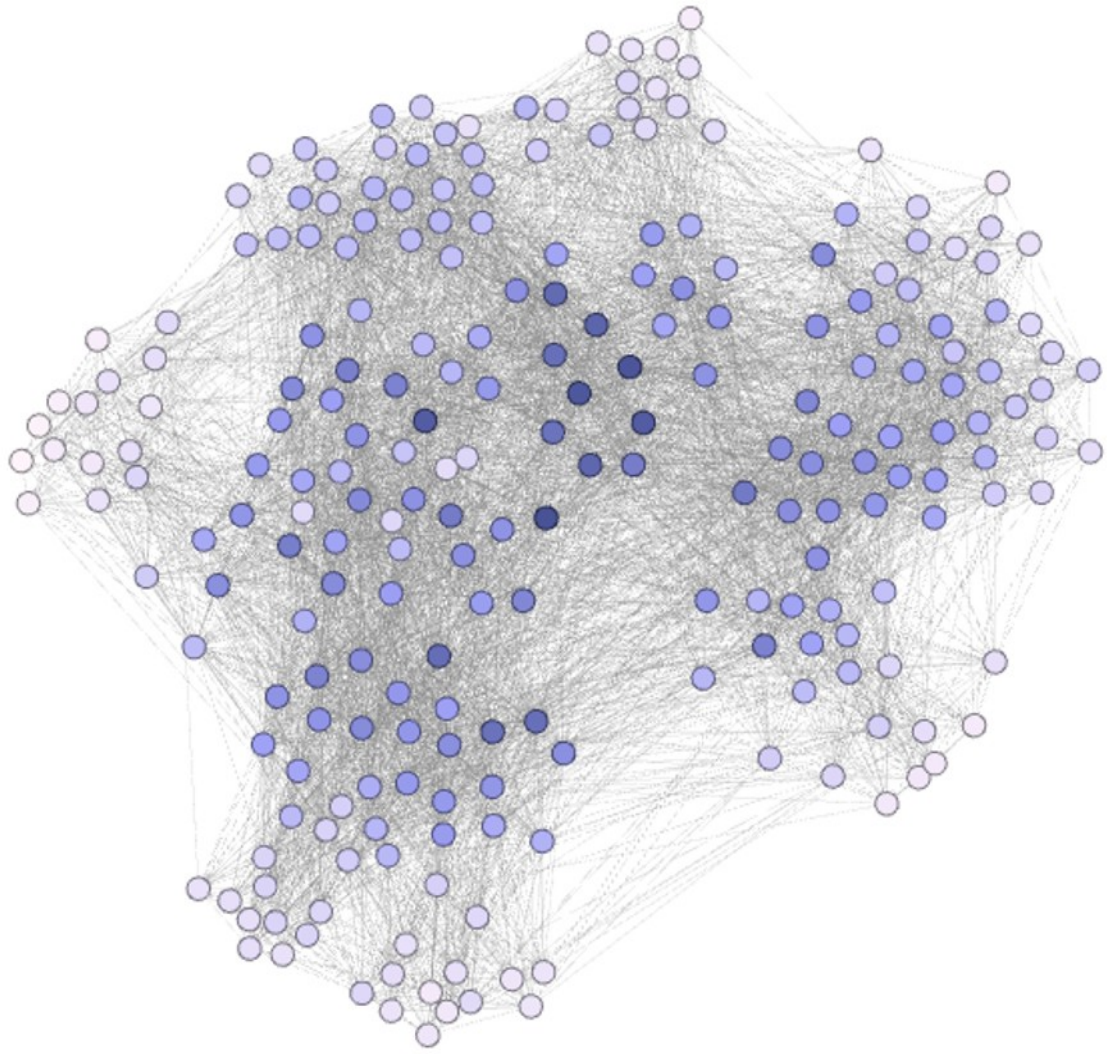


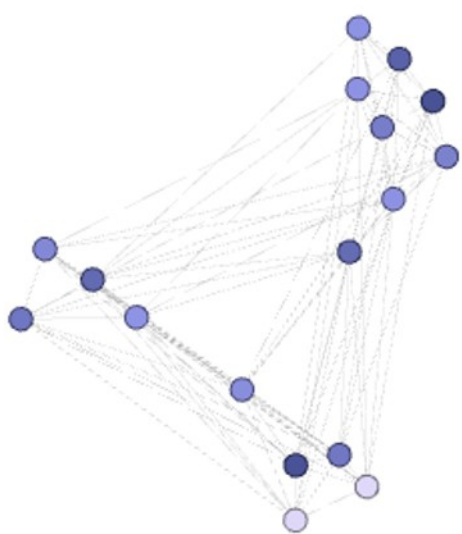
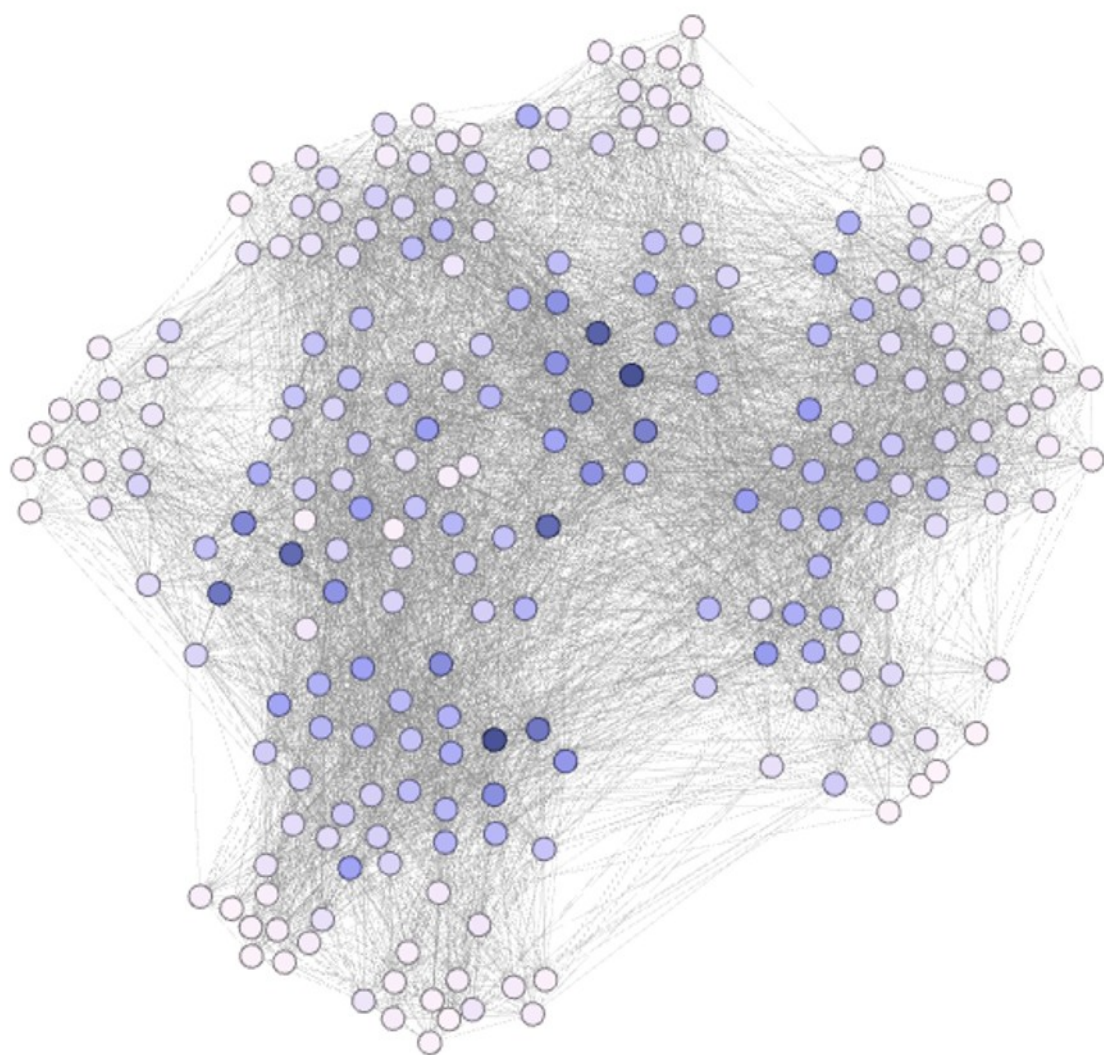




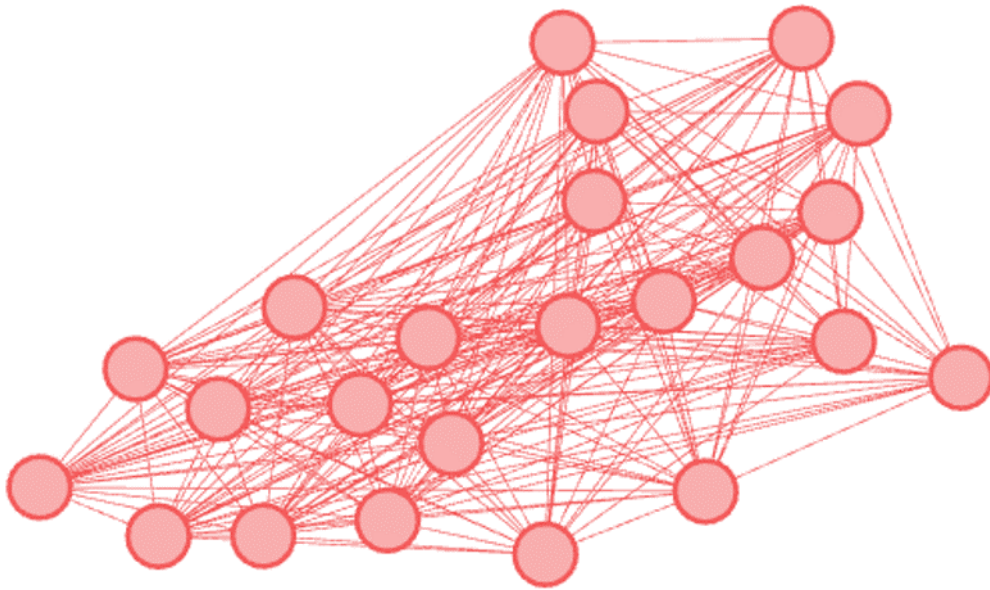
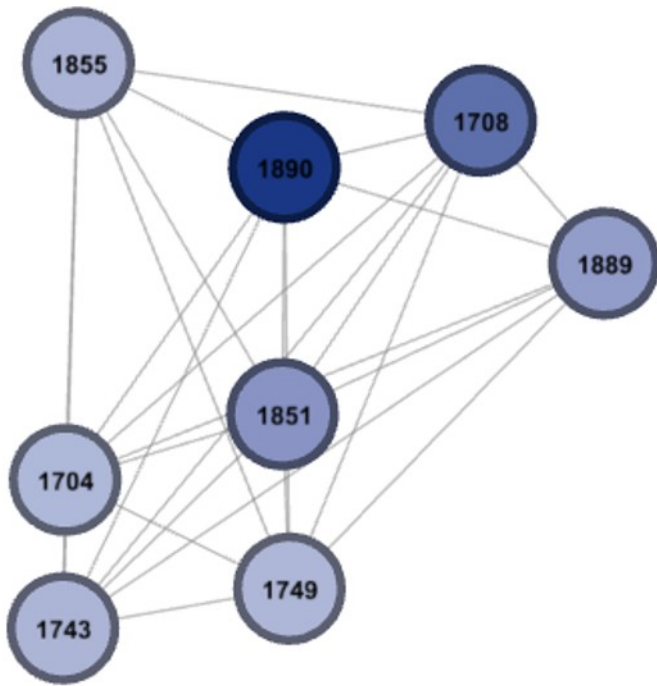


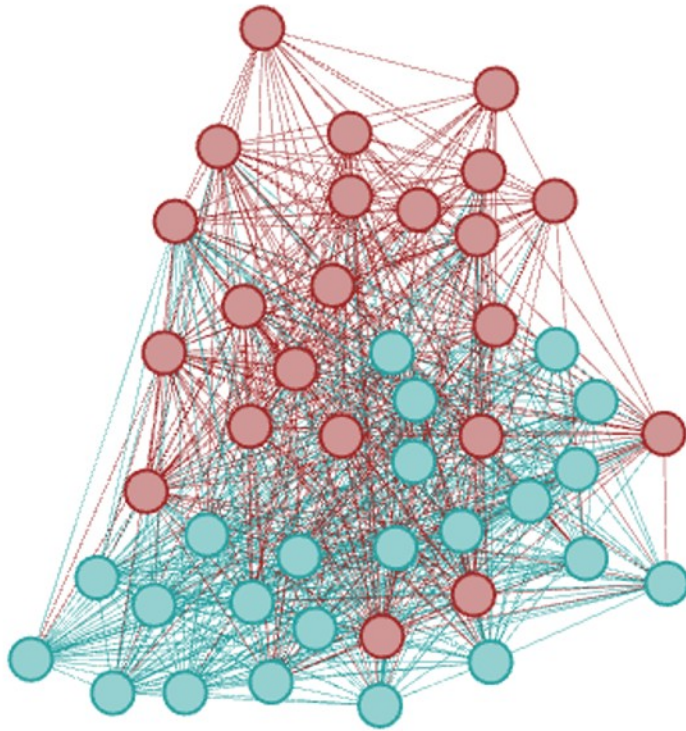






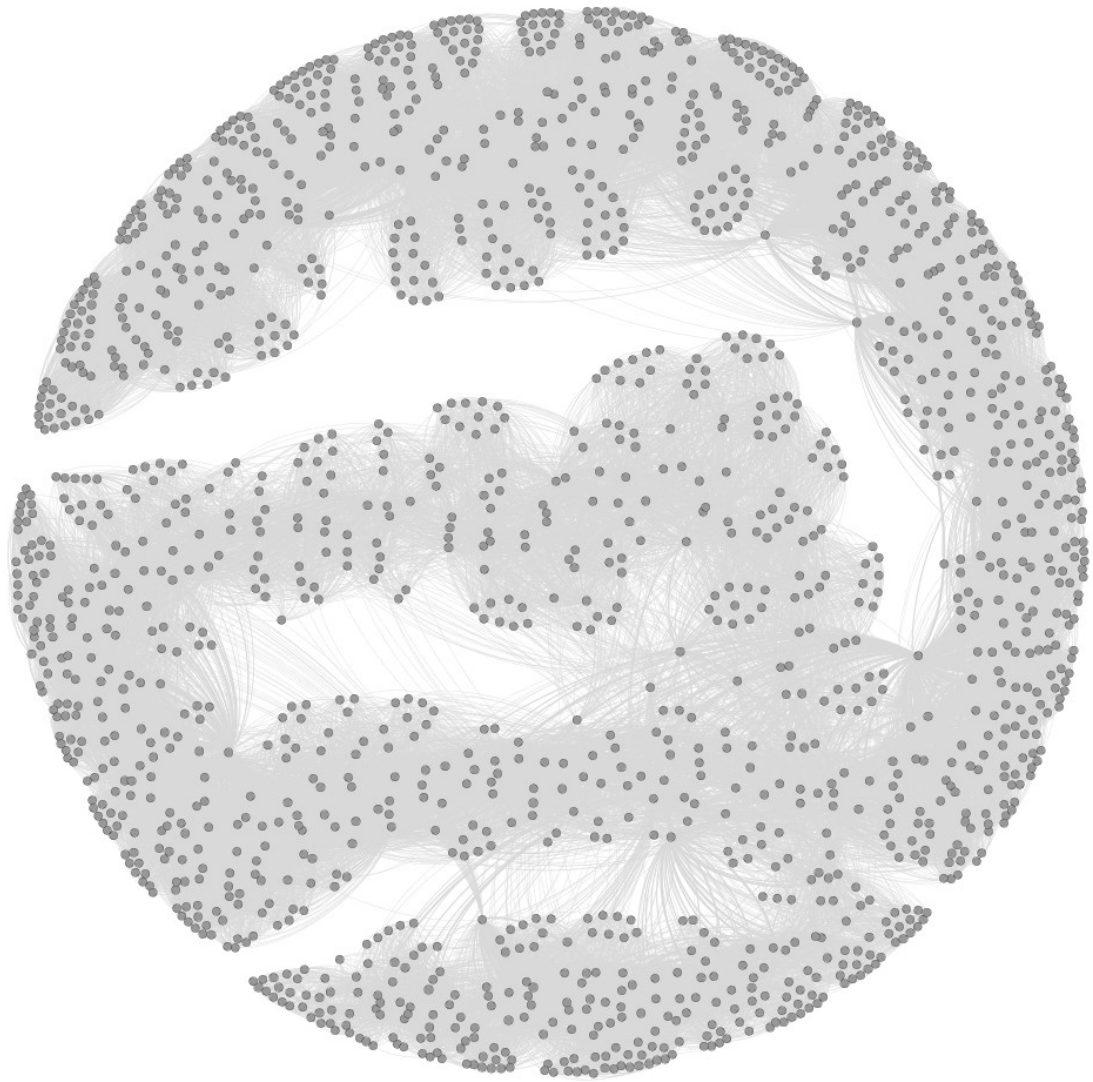


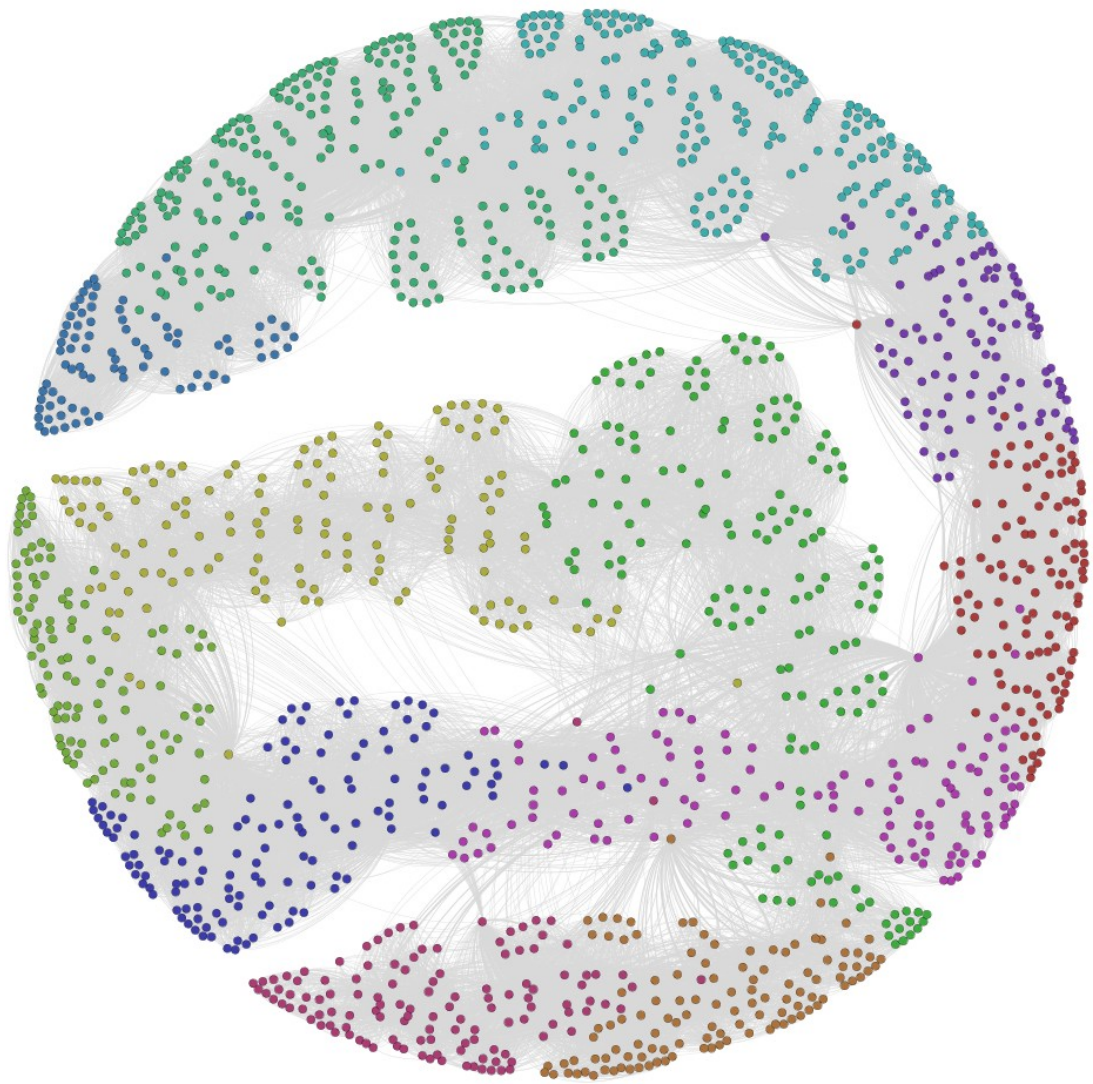




## Chapter 7

### Segmenting and Partitioning a Graph





Layout Partition

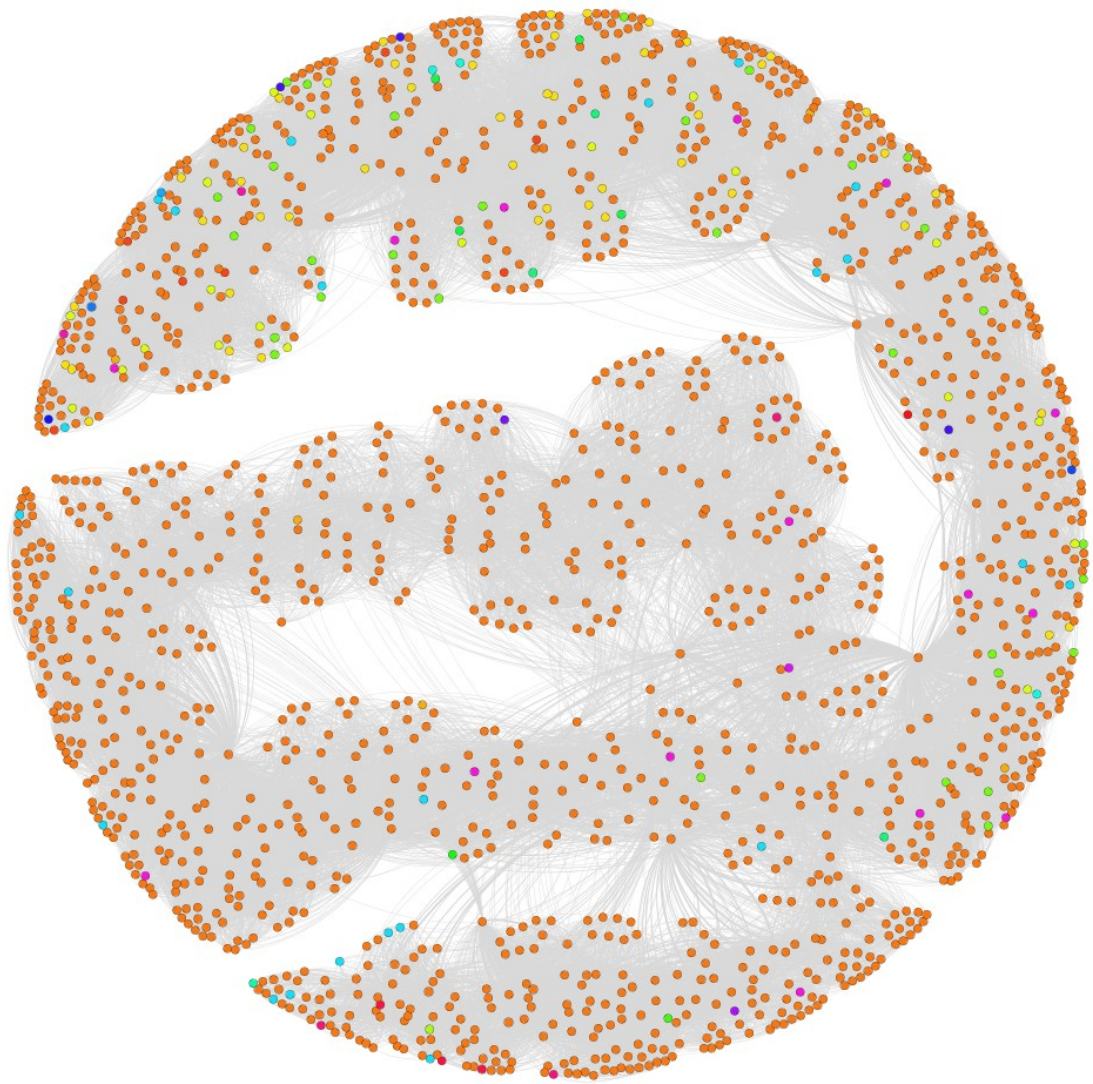
Nodes Edges

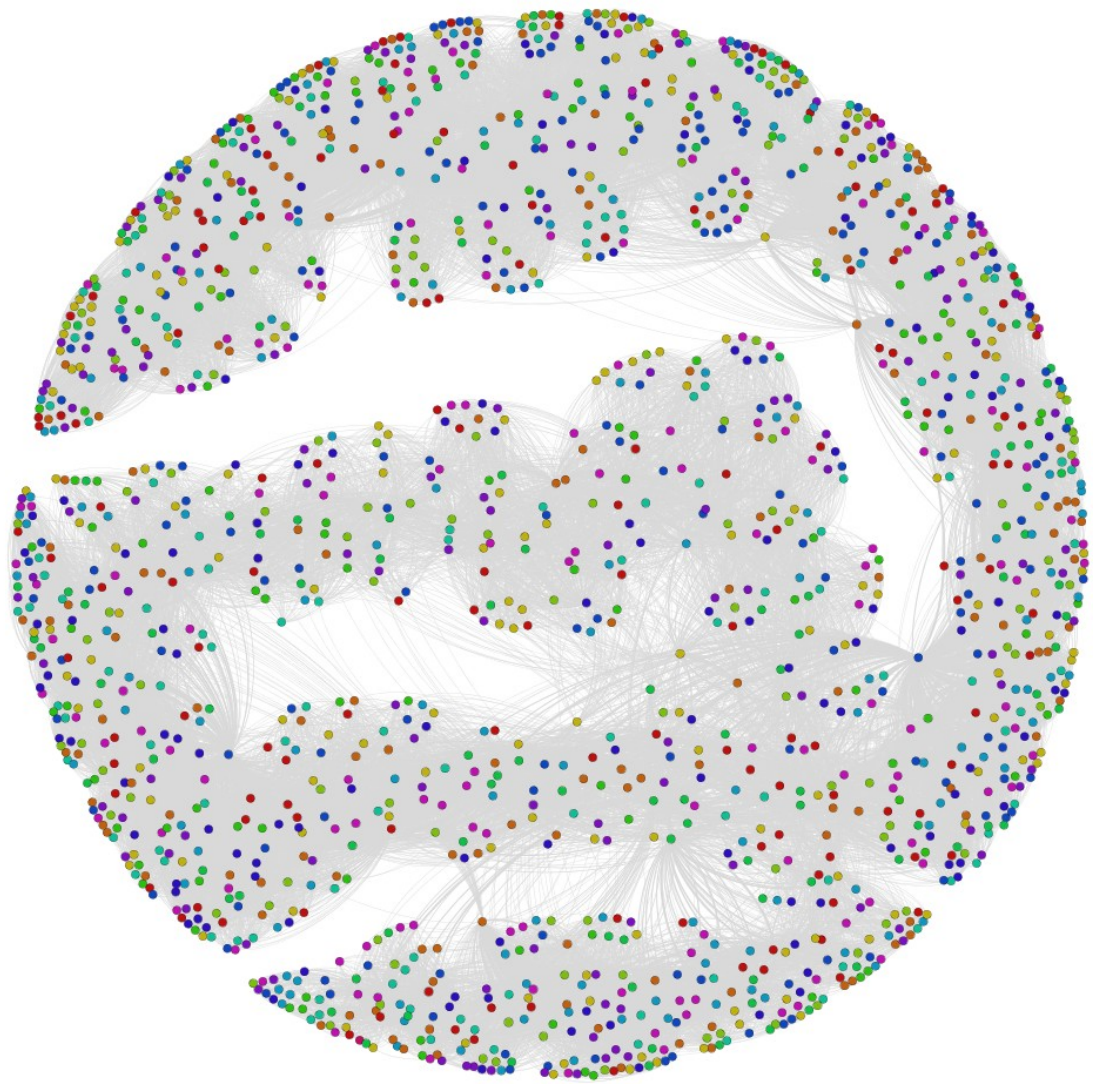
birthCountry

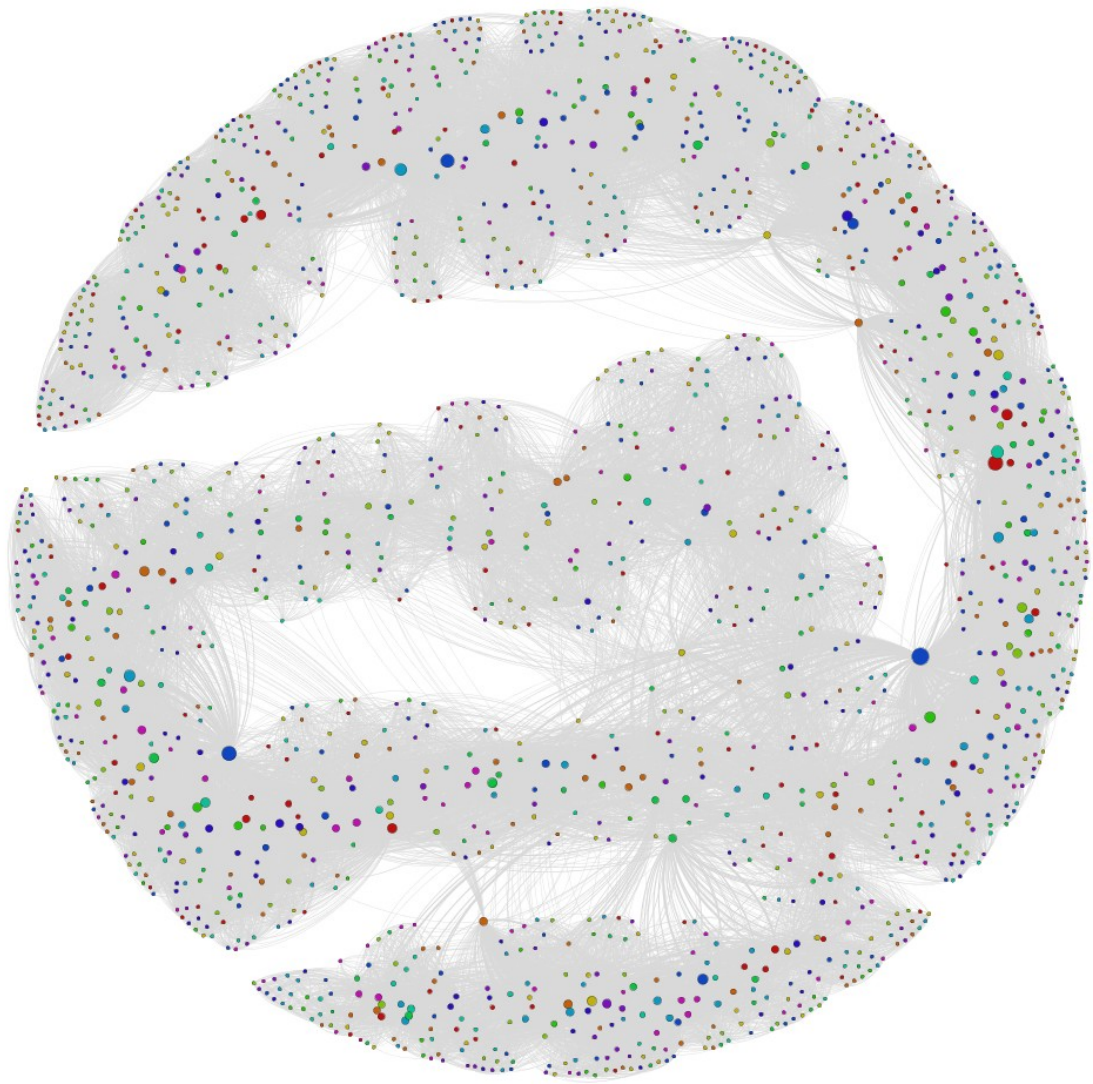
USA	(89.03%)
Dominican Republic	(2.76%)
Puerto Rico	(1.92%)
Canada	(1.38%)
Venezuela	(1.26%)
Cuba	(0.9%)
Japan	(0.48%)
Mexico	(0.3%)
South Korea	(0.24%)
Germany	(0.18%)
Panama	(0.18%)
Virgin Islands	(0.18%)
Colombia	(0.18%)
England	(0.18%)
Nicaragua	(0.12%)
Poland	(0.06%)
W.Germany	(0.06%)
Scotland	(0.06%)
Wales	(0.06%)
Jamaica	(0.06%)
Austria-Hungary	(0.06%)
Netherlands	(0.06%)
Denmark	(0.06%)
Aruba	(0.06%)
Ireland	(0.06%)
Taiwan	(0.06%)

Group Show Pie Apply

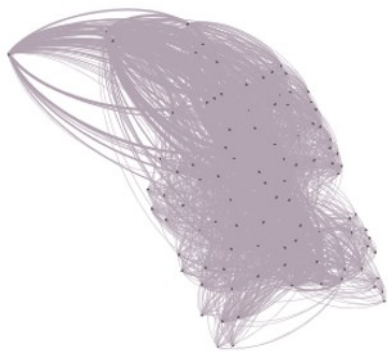
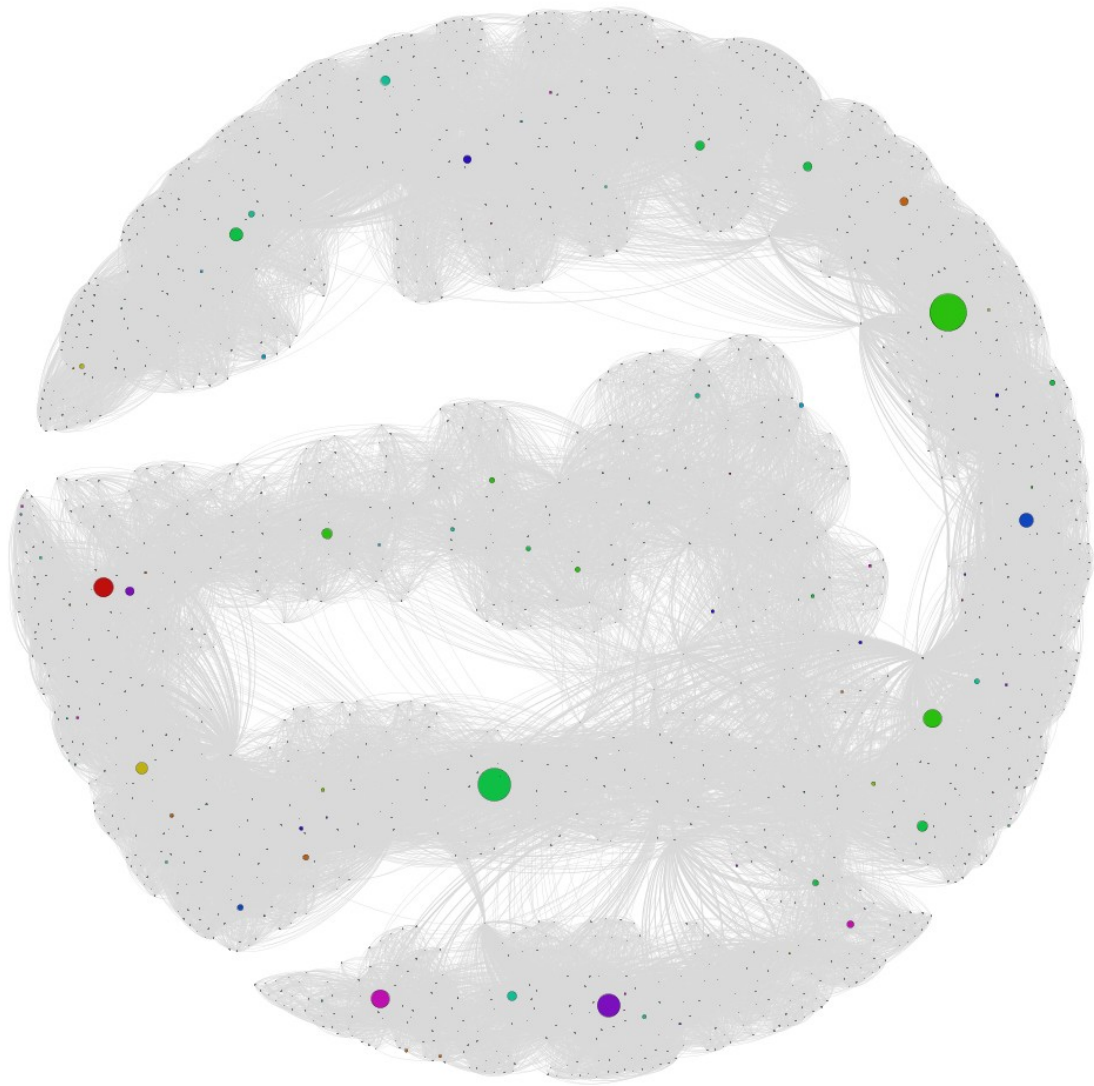


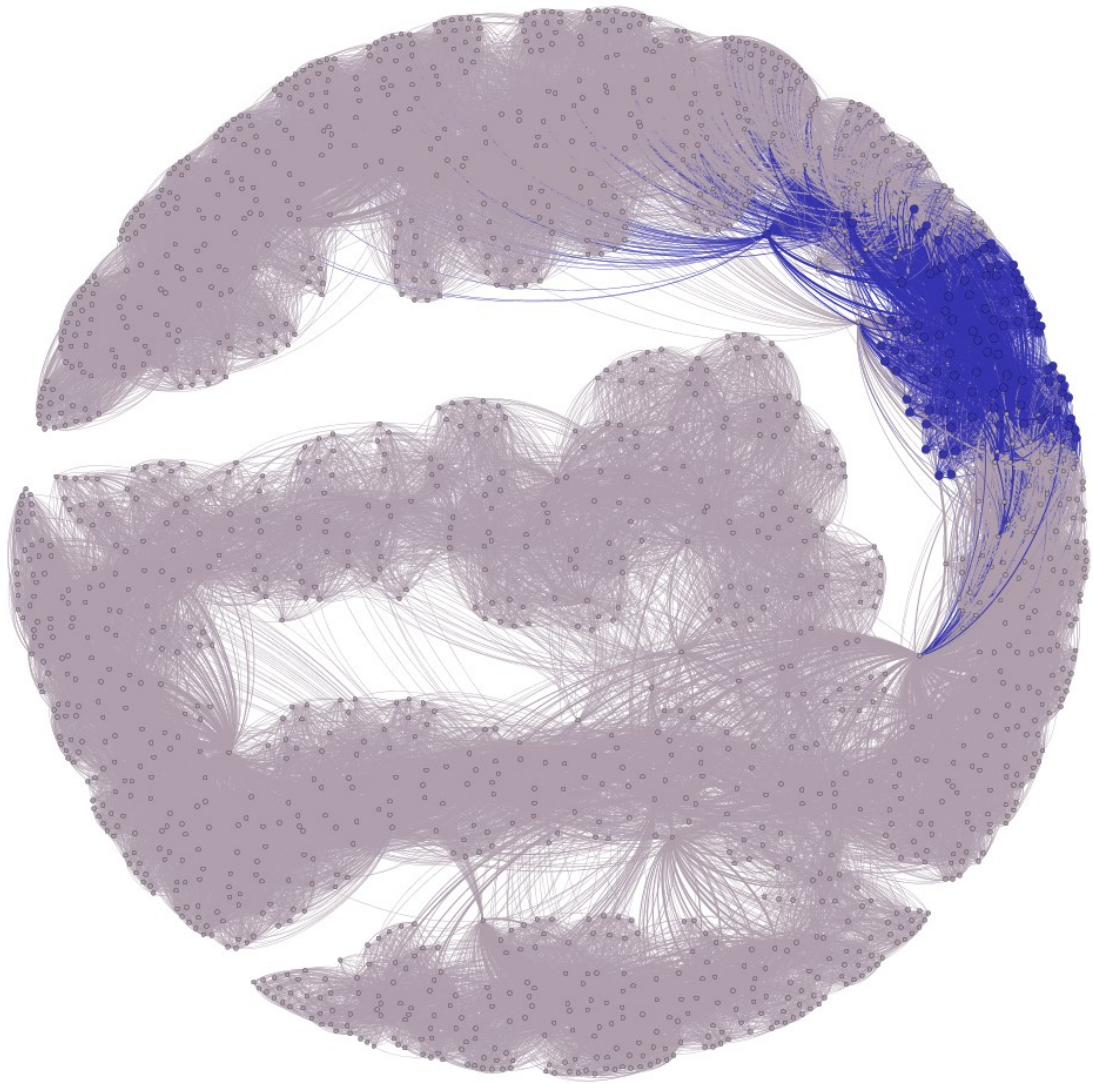
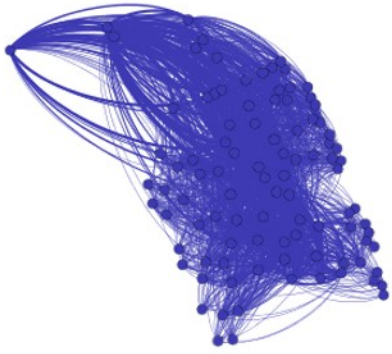


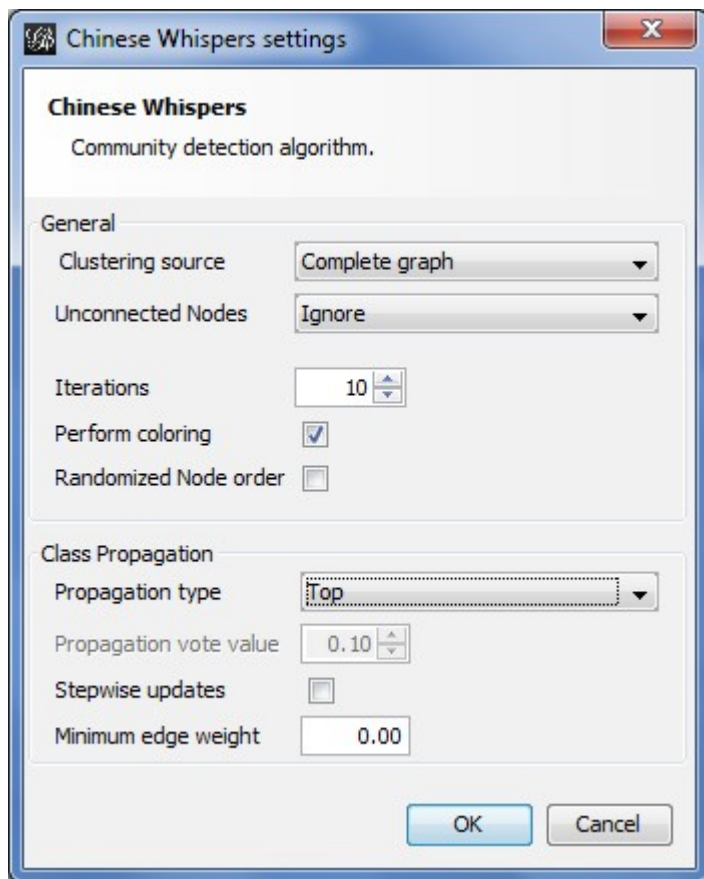






















Markov Clustering settings

Add self loops to each node

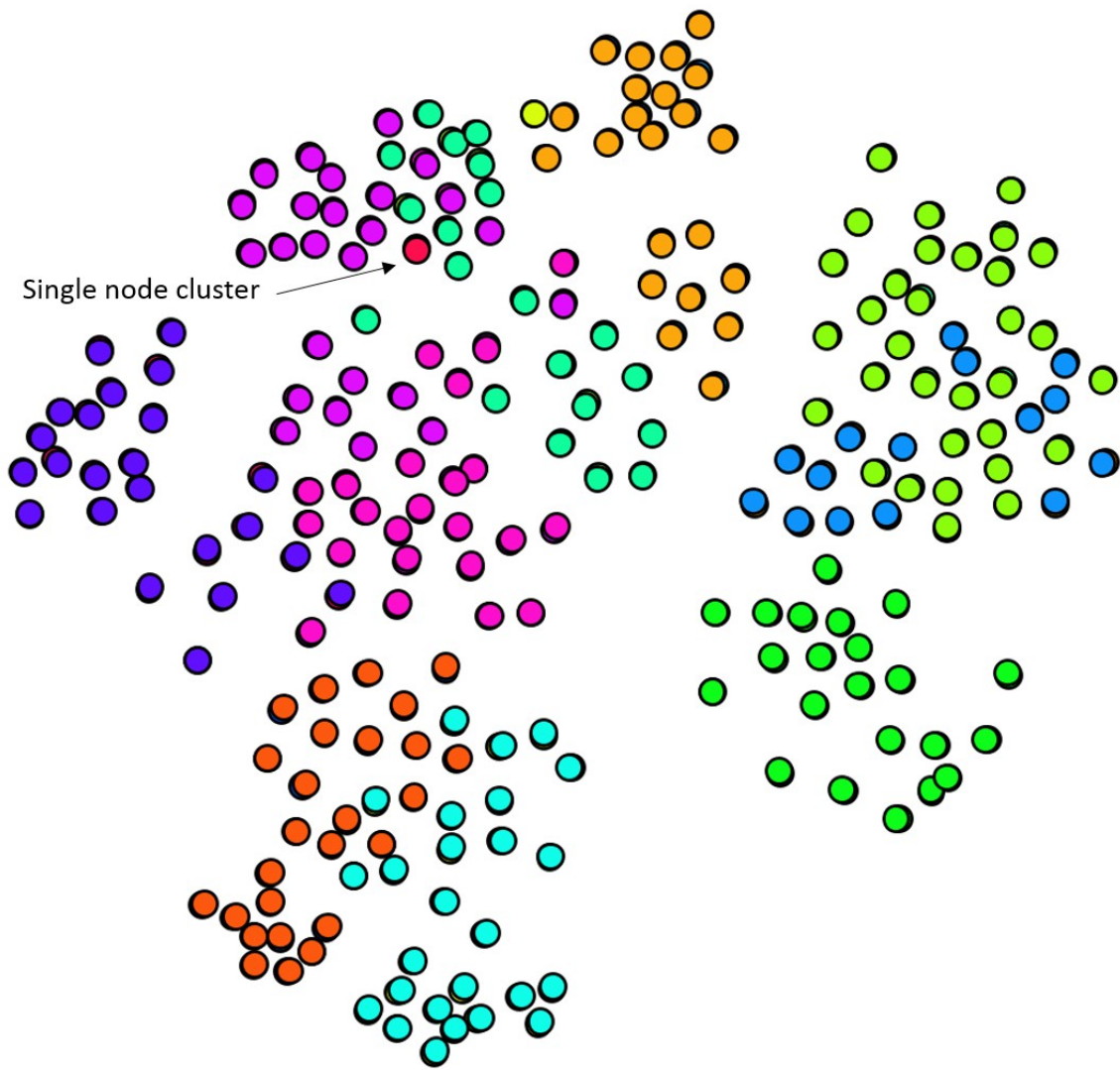
Generate nodes with more clusters as standalone cluster.

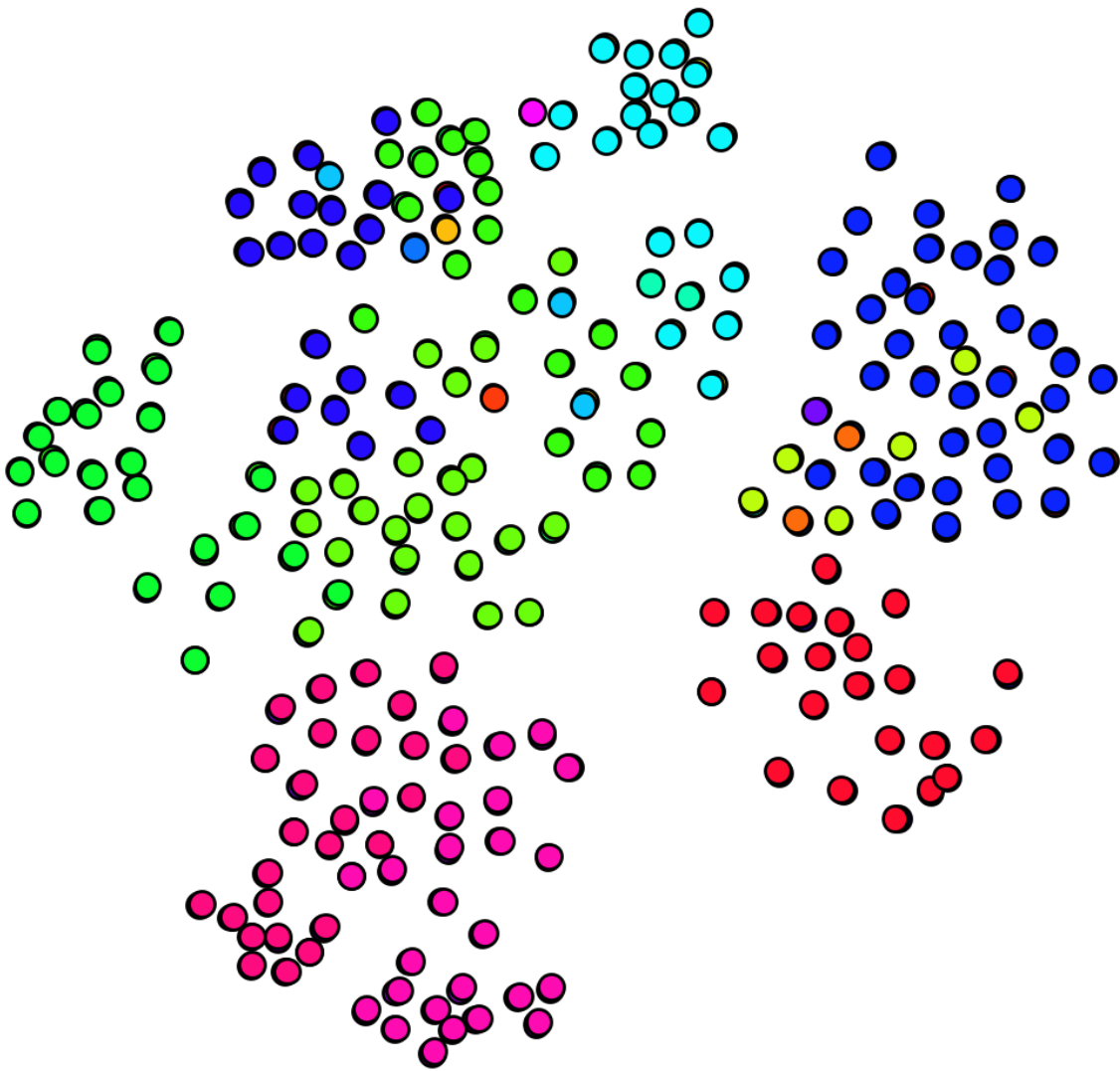
Power parameter:

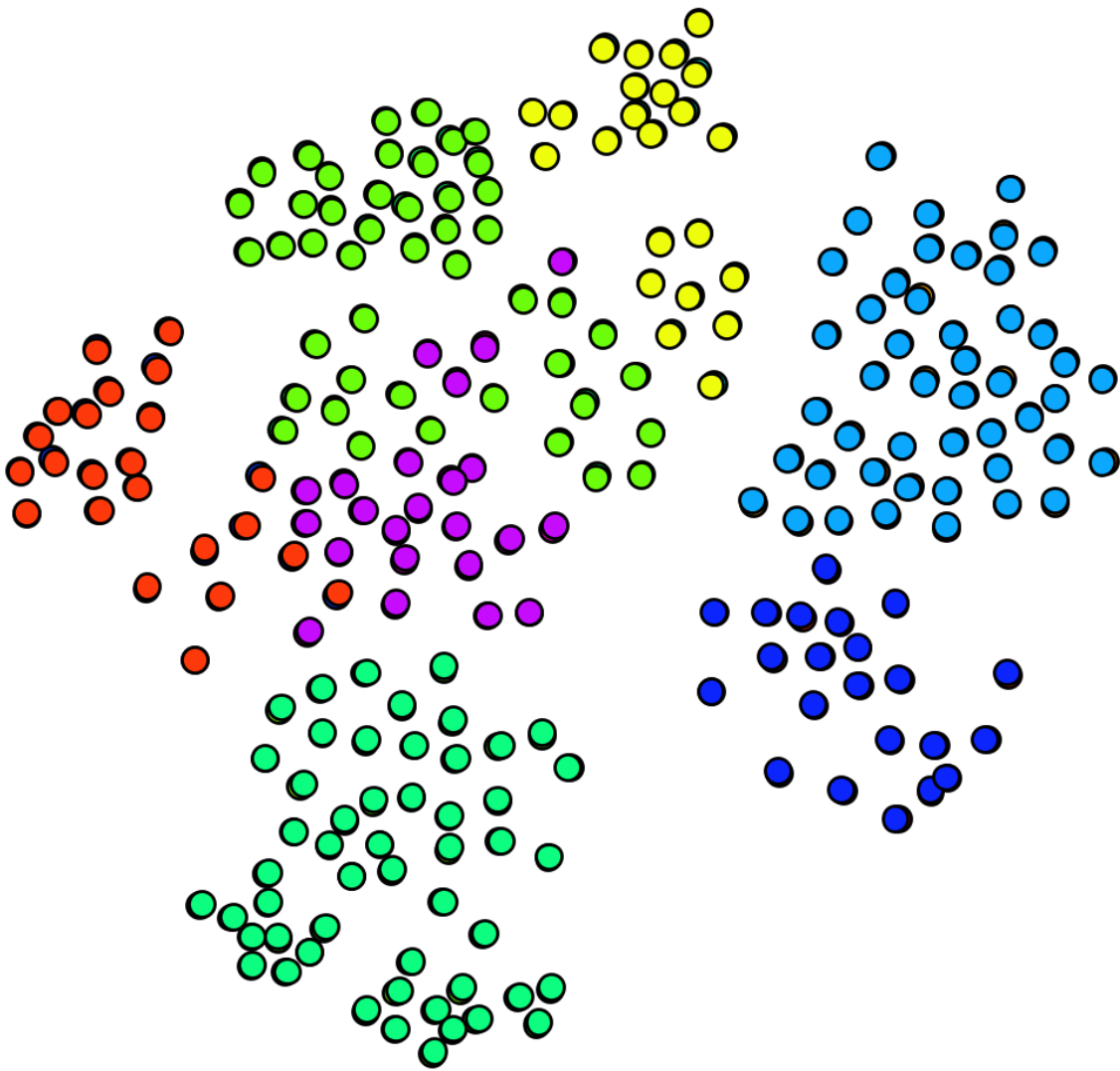
Inflation parameter:

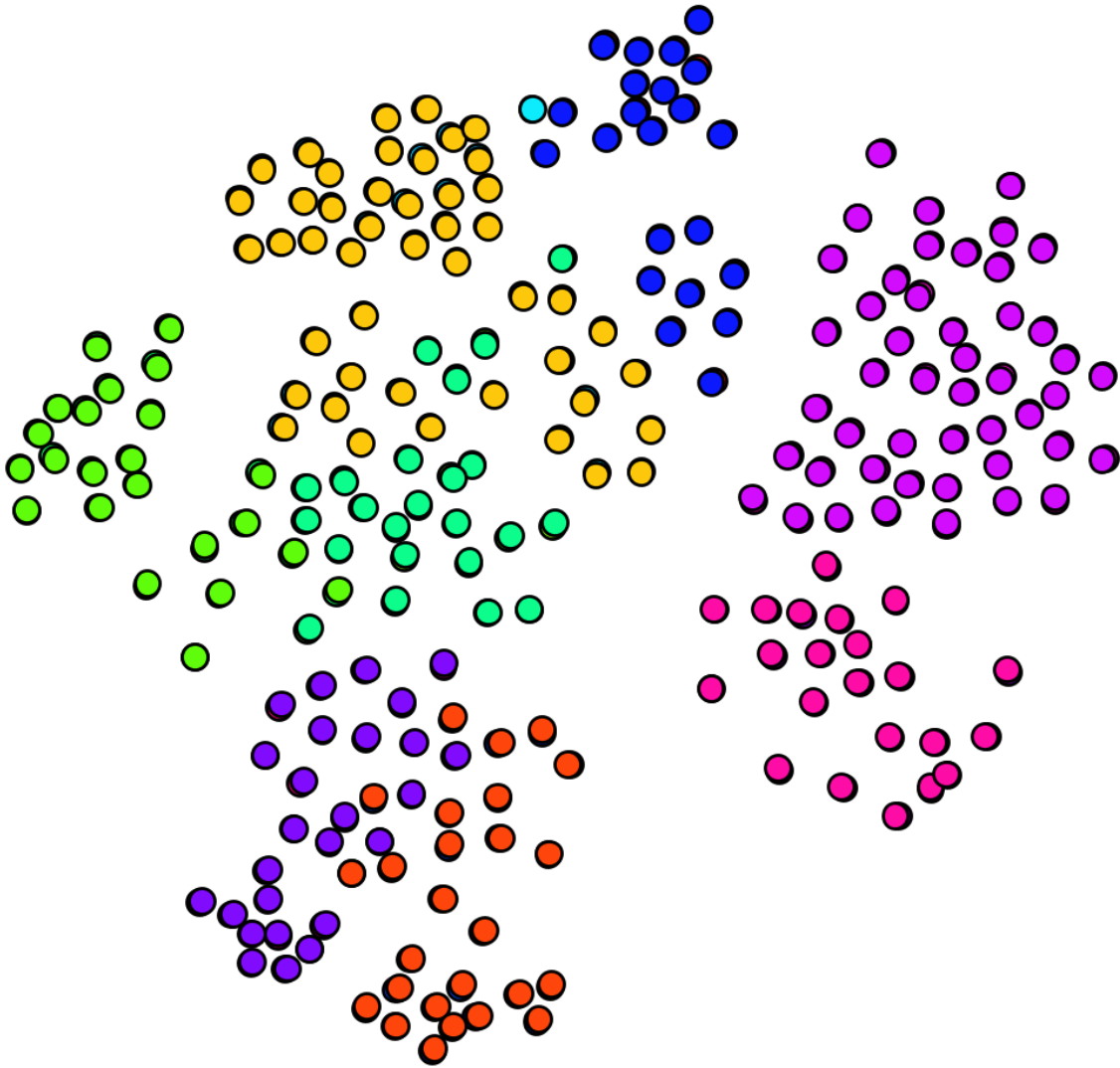
Pruning parameter:

OK Cancel





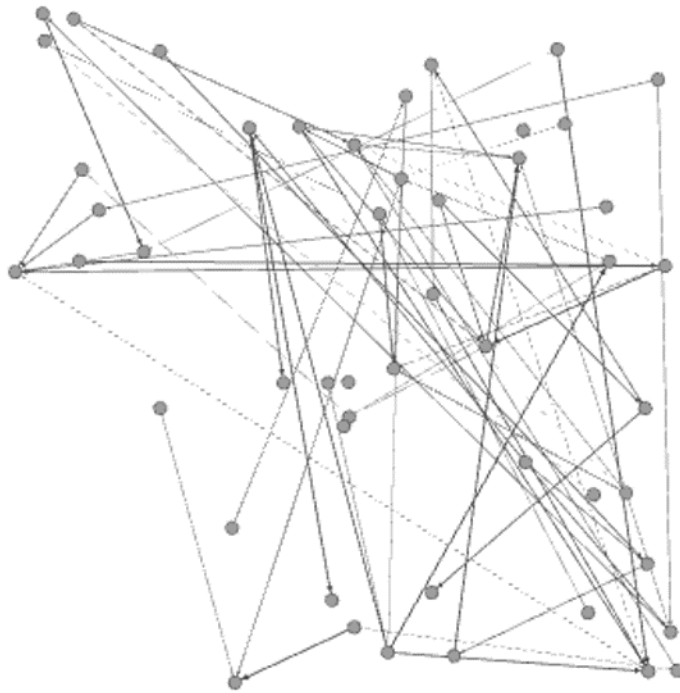




Chapter 8

Dynamic Networks



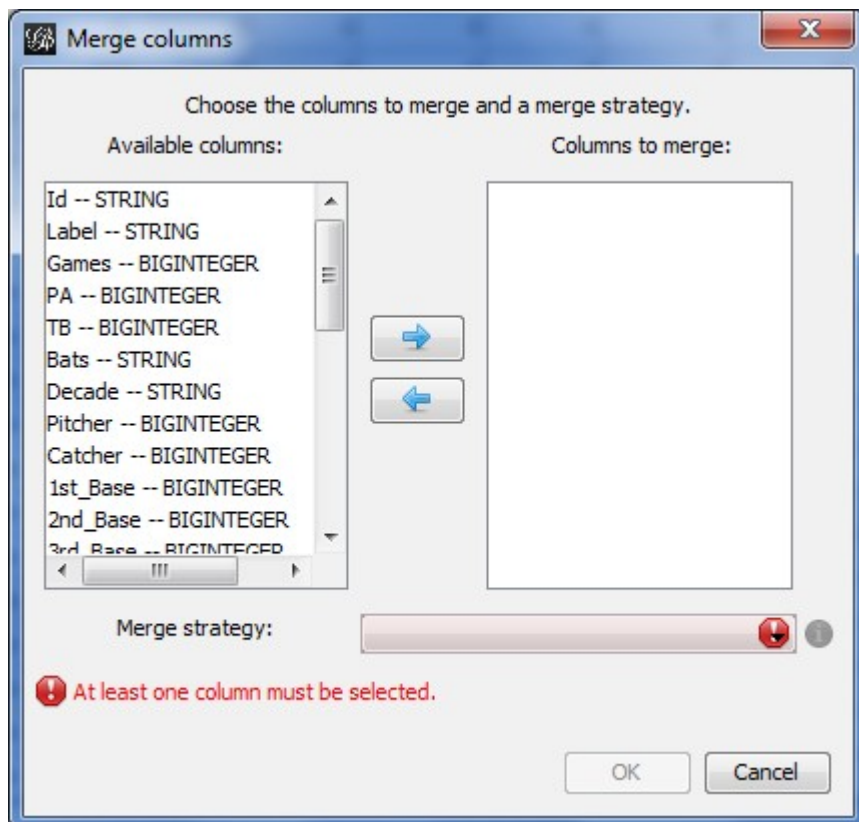


Label	score	Time Interval
n0	<[2003.0, 2012.0, 2]; [2013.0, 2019.0, 1]>	<[2003.0, 2032.0]>
n1	<[2003.0, 2012.0, 1]; [2013.0, 2015.0, 0]>	<[2003.0, 2024.0]>
n2	<[2000.0, 2008.0, 1]; [2009.0, 2010.0, 4]>	<[2000.0, 2024.0]>
n3	<[2007.0, 2012.0, 2]; [2013.0, 2021.0, 3]>	<[2007.0, 2032.0]>
n4	<[2006.0, 2015.0, 1]; [2016.0, 2016.0, 3]>	<[2006.0, 2026.0]>
n5	<[2003.0, 2004.0, 0]; [2005.0, 2007.0, 2]>	<[2003.0, 2023.0]>
n6	<[2002.0, 2003.0, 2]; [2004.0, 2005.0, 3]>	<[2002.0, 2027.0]>
n7	<[2004.0, 2005.0, 0]; [2006.0, 2010.0, 4]>	<[2004.0, 2024.0]>
n8	<[2003.0, 2011.0, 0]; [2012.0, 2017.0, 4]>	<[2003.0, 2030.0]>
n9	<[2002.0, 2010.0, 1]; [2011.0, 2013.0, 3]>	<[2002.0, 2029.0]>
n10	<[2004.0, 2011.0, 4]; [2012.0, 2013.0, 3]>	<[2004.0, 2030.0]>

#### Weight

<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 2.0]; [2014.0, 2016.0, 3.0]; [2016.0, 2018.0, 5.0]; [2018.0, 2020.0, 5.0]; [2020.0, 2022.0, 6.0]; ...
<[2010.0, 2012.0, 3.0]; [2012.0, 2014.0, 3.0]; [2014.0, 2016.0, 4.0]; [2016.0, 2018.0, 4.0]; [2018.0, 2020.0, 5.0]; [2020.0, 2022.0, 6.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 3.0]; [2014.0, 2016.0, 3.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 7.0]; [2020.0, 2022.0, 8.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 4.0]; [2014.0, 2016.0, 5.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 7.0]; [2020.0, 2022.0, 7.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 3.0]; [2014.0, 2016.0, 4.0]; [2016.0, 2018.0, 4.0]; [2018.0, 2020.0, 5.0]; [2020.0, 2022.0, 6.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 4.0]; [2014.0, 2016.0, 3.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 5.0]; [2020.0, 2022.0, 8.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 4.0]; [2014.0, 2016.0, 3.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 7.0]; [2020.0, 2022.0, 6.0]; ...
<[2010.0, 2012.0, 2.0]; [2012.0, 2014.0, 2.0]; [2014.0, 2016.0, 5.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 6.0]; [2020.0, 2022.0, 7.0]; ...
<[2010.0, 2012.0, 3.0]; [2012.0, 2014.0, 4.0]; [2014.0, 2016.0, 4.0]; [2016.0, 2018.0, 4.0]; [2018.0, 2020.0, 6.0]; [2020.0, 2022.0, 8.0]; ...
<[2010.0, 2012.0, 3.0]; [2012.0, 2014.0, 3.0]; [2014.0, 2016.0, 5.0]; [2016.0, 2018.0, 5.0]; [2018.0, 2020.0, 7.0]; [2020.0, 2022.0, 7.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 2.0]; [2014.0, 2016.0, 3.0]; [2016.0, 2018.0, 6.0]; [2018.0, 2020.0, 6.0]; [2020.0, 2022.0, 6.0]; ...
<[2010.0, 2012.0, 1.0]; [2012.0, 2014.0, 2.0]; [2014.0, 2016.0, 5.0]; [2016.0, 2018.0, 4.0]; [2018.0, 2020.0, 6.0]; [2020.0, 2022.0, 7.0]; ...





**Create time interval**

**Time Interval creation options**

Choose columns to use as start and/or end times.  
Also you can choose default start and end times to use when values are not correct or missing, else infinity will be used instead.

Start time column:

End time column:

Parse numbers

Default start time:

Default end time:

Parse dates

Date format:

Default start time:

Default end time:

**Import report**

Source: redsox\_timeline.gexf

Nodes	Issues
Time Format: DOUBLE	INFO
More issues not listed...	INFO

Graph Type:

Auto-scale

Create missing nodes

New graph

Append Graph

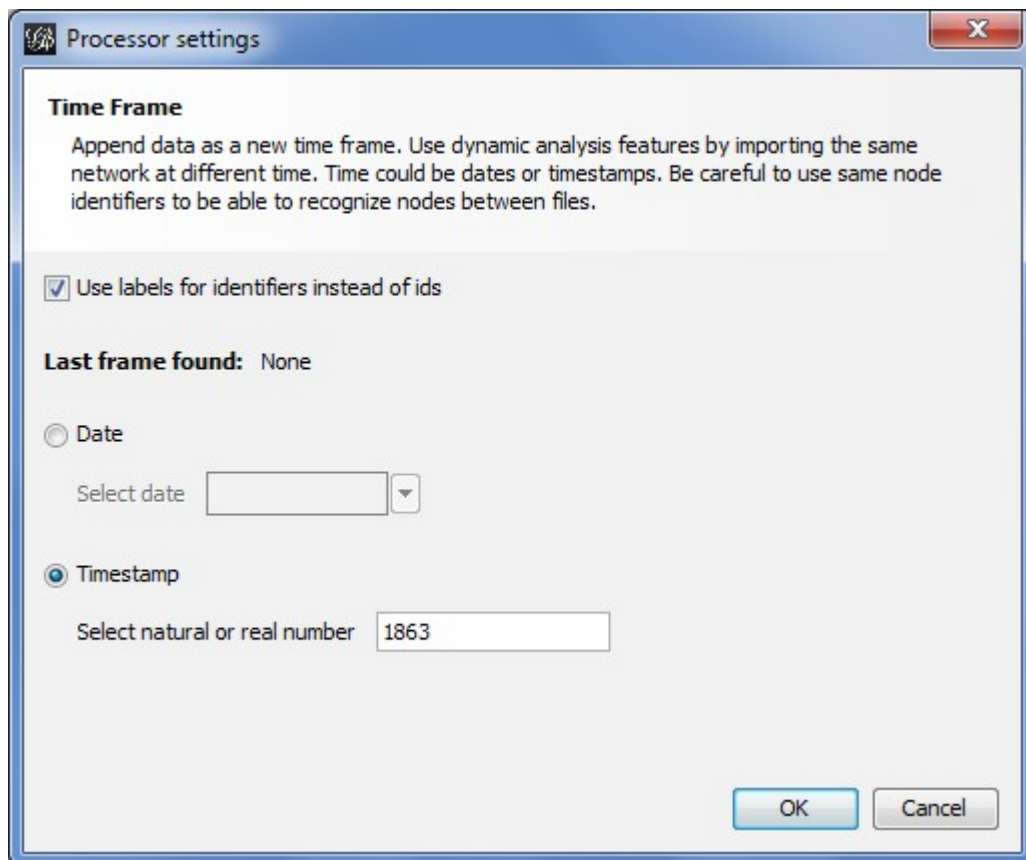
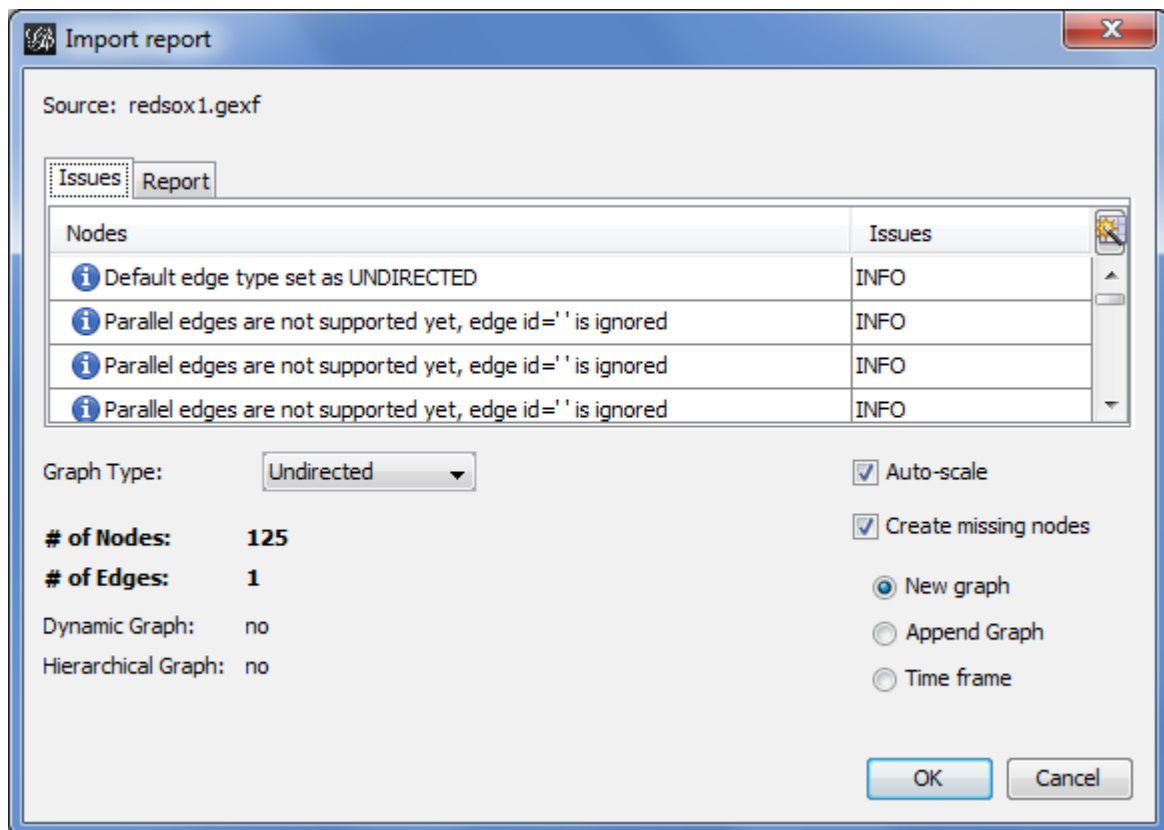
Time frame

**# of Nodes:** 1668

**# of Edges:** 1

Dynamic Graph: yes

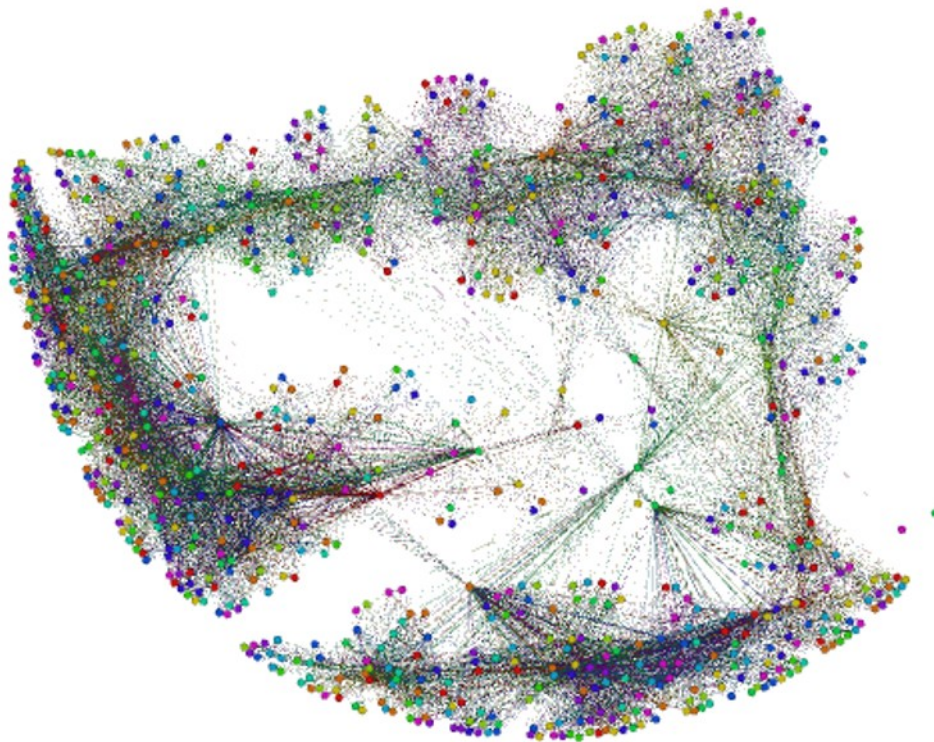
Hierarchical Graph: no




Data Table






Nodes Edges Configuration Add node Add edge Search/Replace Import Spreadsheet Export


Nodes	Id	birthYear	Label	Games	PA	TB	Bats	Decade
●	Al Shaw	1873		76	223	45 R		1900s
●	Aleck Smith	1871		11	33	11		1900s
●	Amby McConnell	1883		272	1142	305 L		1900s
●	Art McGovern	1882		15	51	6 R		1900s
●	Beany Jacobson	1881		2	0	0 L		1900s
●	Ben Beville	1877		3	7	4 R		1900s
●	Bert Husting	1878		1	4	3 R		1900s
●	Bill Carrigan	1883		709	2356	619 R		1900s
●	Bill Dinneen	1876		182	604	93 R		1900s
●	Bill O'Neill	1880		17	53	11 B		1900s
●	Bob Unglaub	1881		263	1049	311 R		1900s
●	Buck Freeman	1871		820	3444	1361 L		1900s
●	Buck O'Brien	1882		58	159	25 R		1910s
●	Bunk Congalton	1875		124	545	175 L		1900s






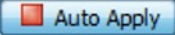
Streaming Clustering Ranking  $\otimes$  Combine... 

Nodes Edges     

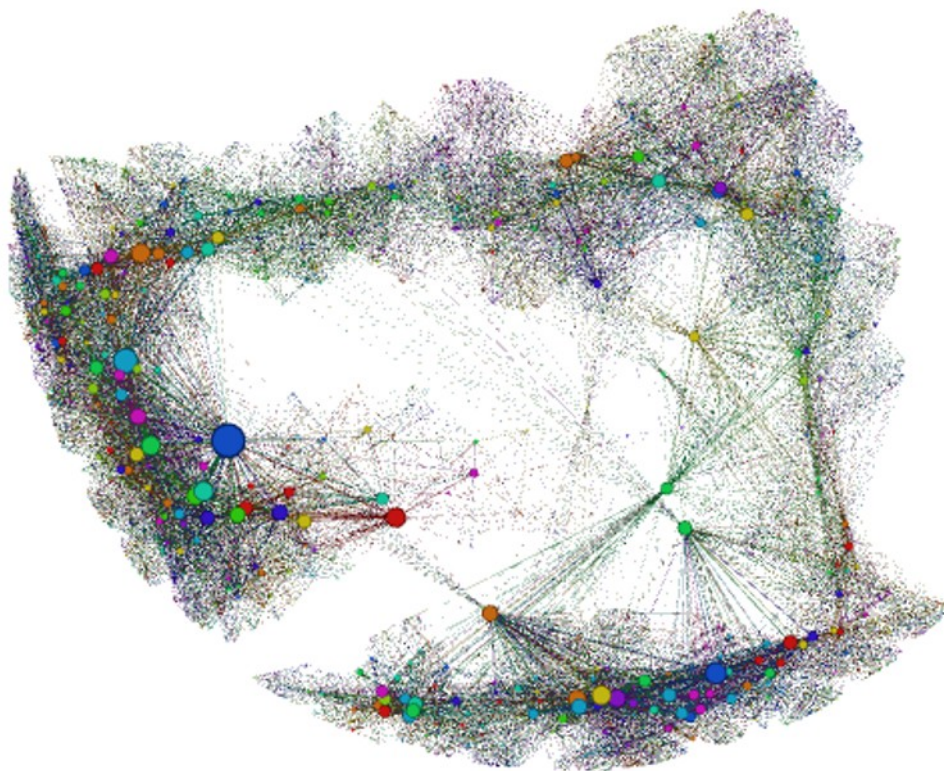
SeasonsInteger 

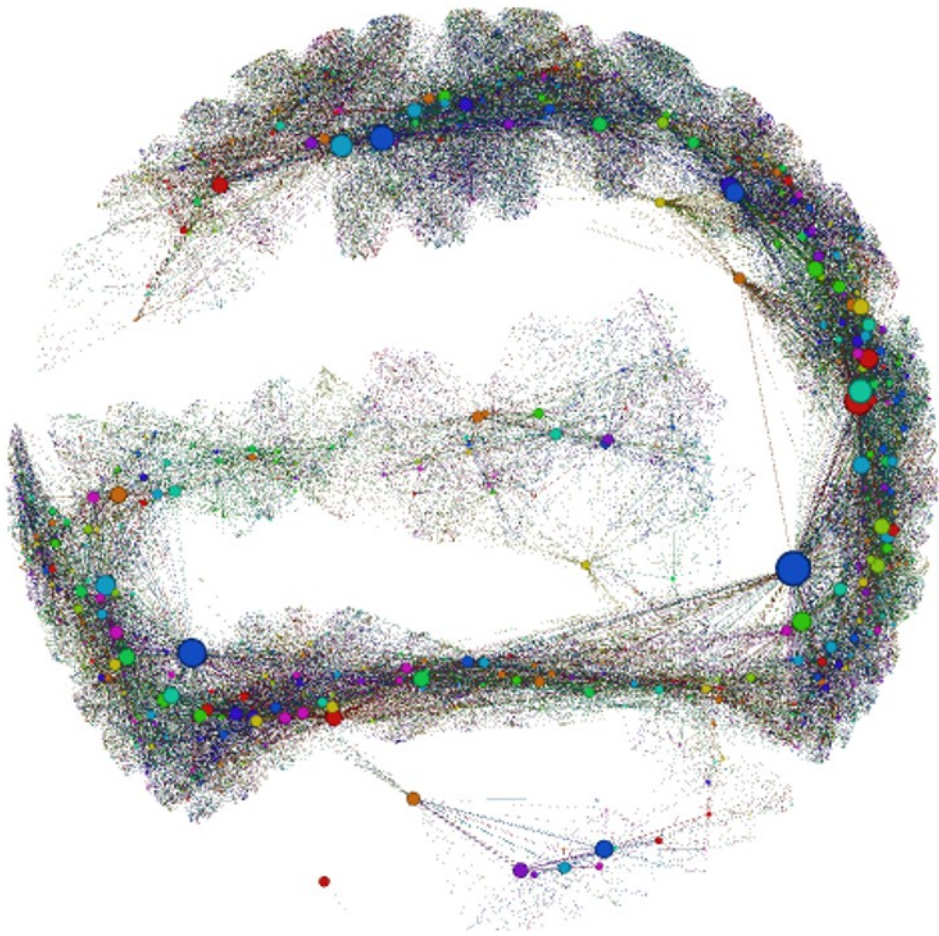
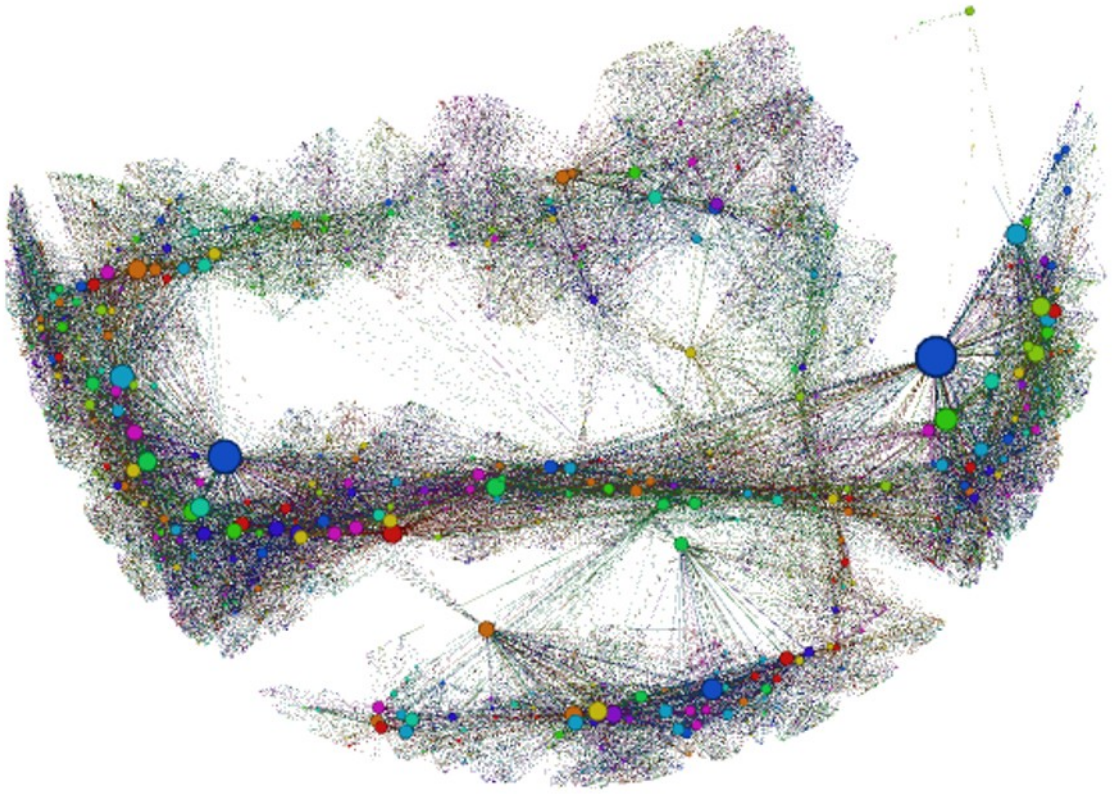
Min size:  Max size:

Range:

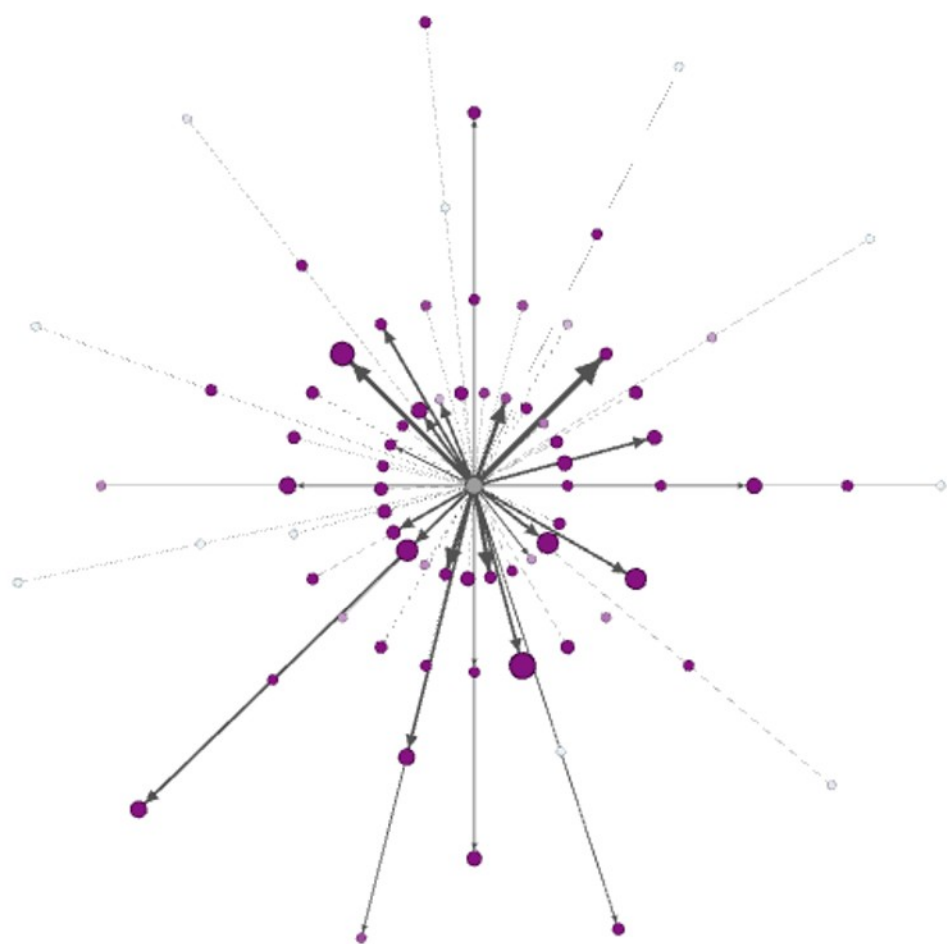
Spline...  

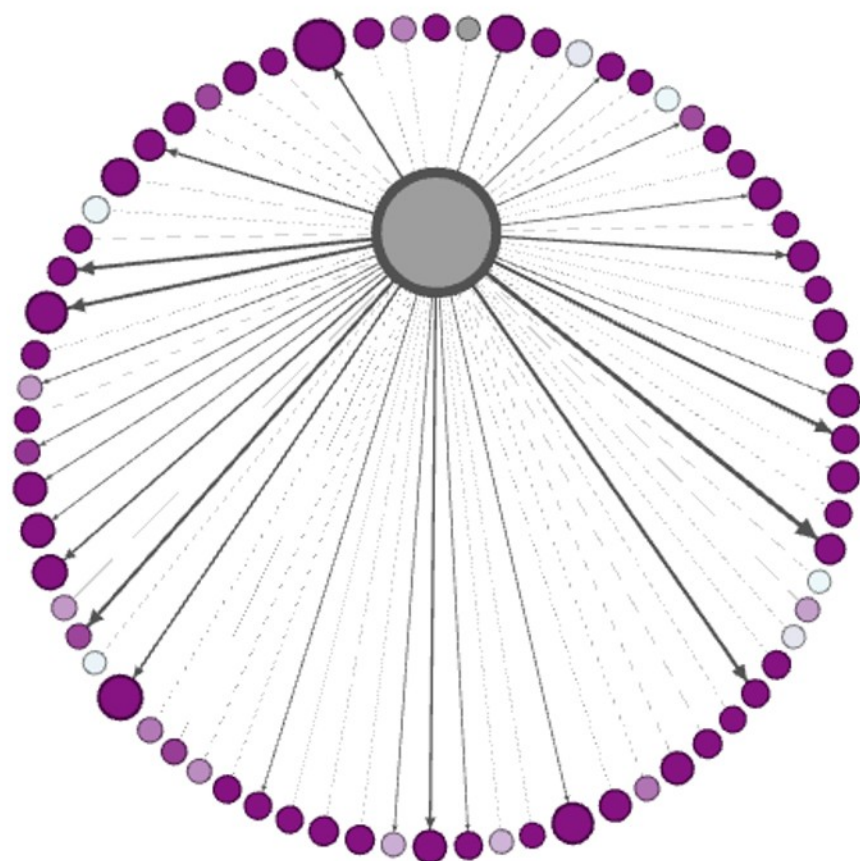
    1,875

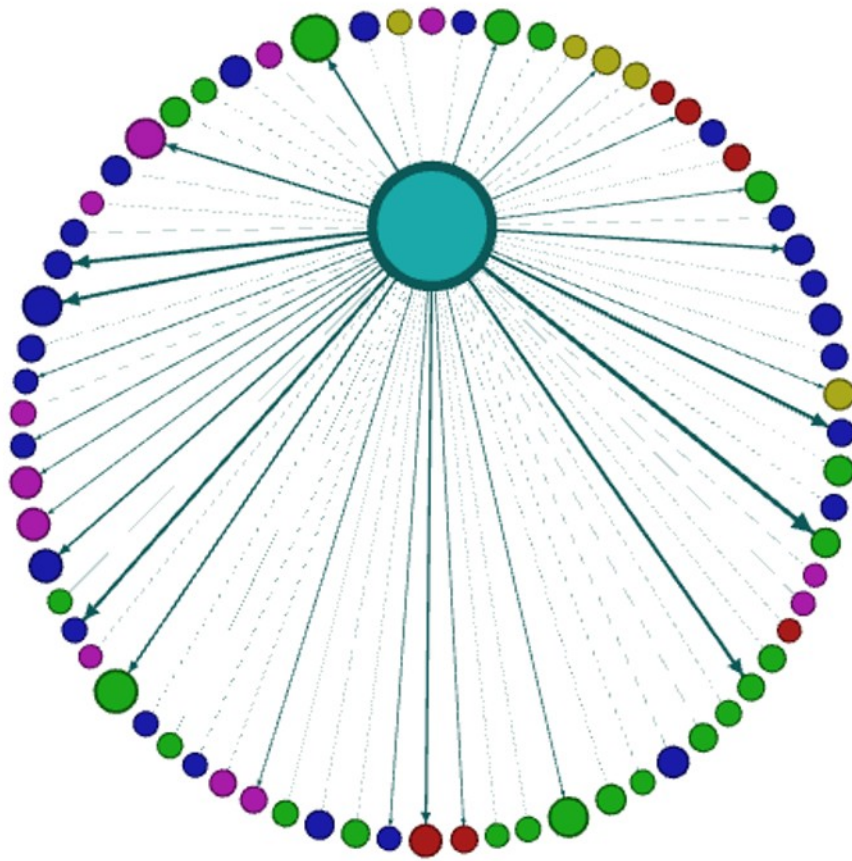






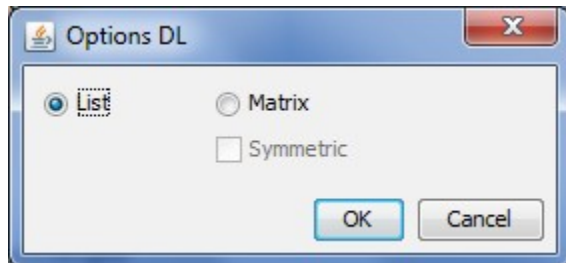
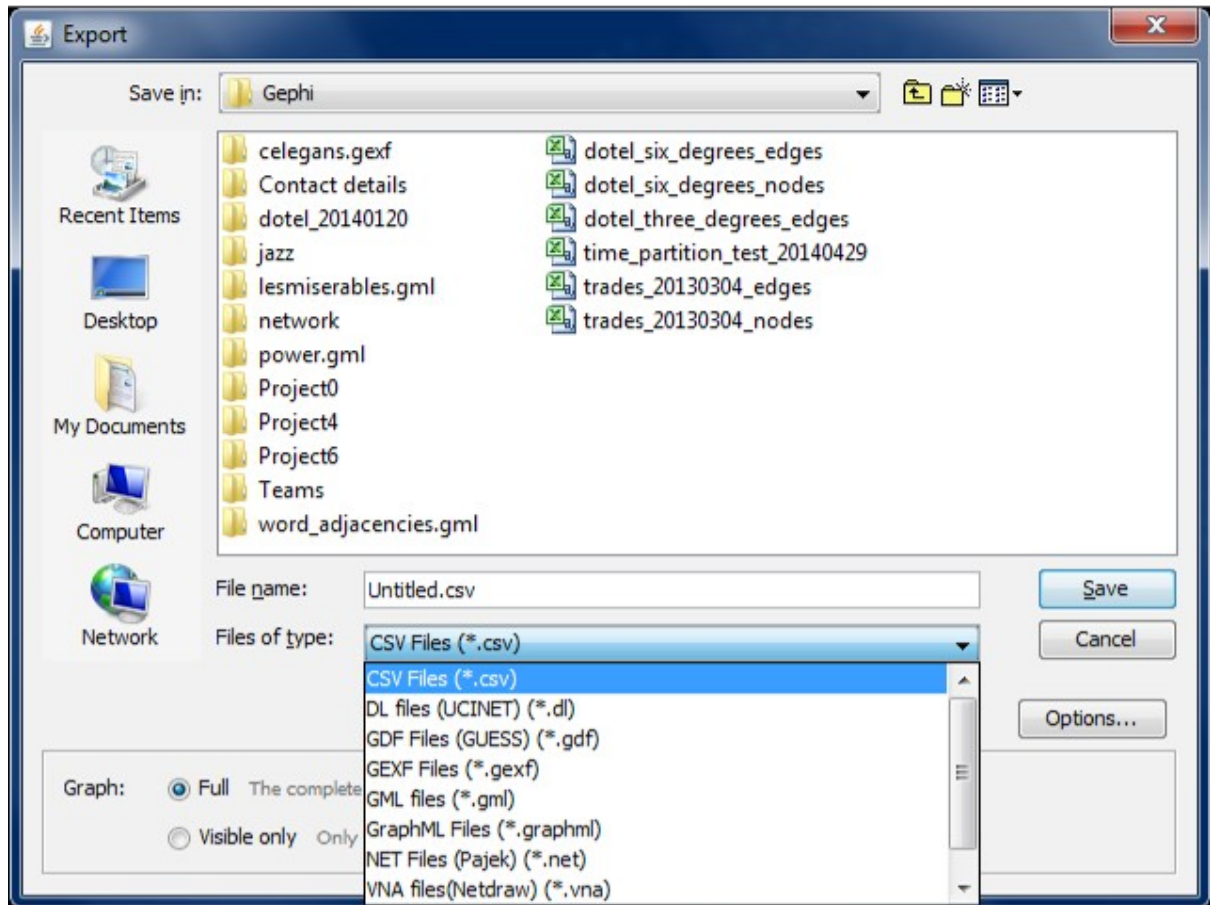


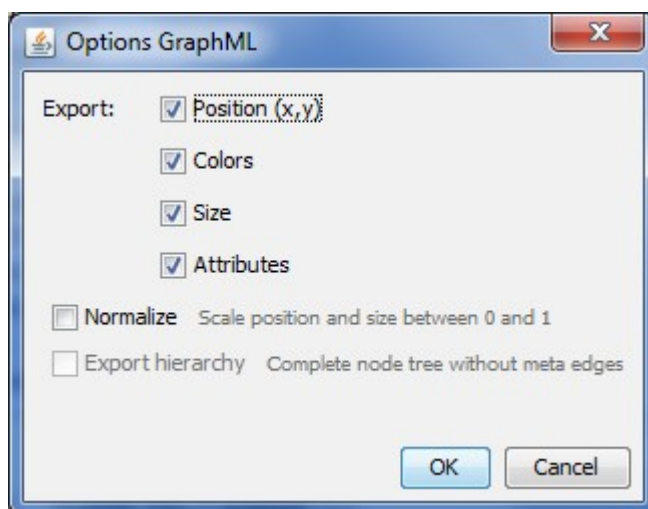
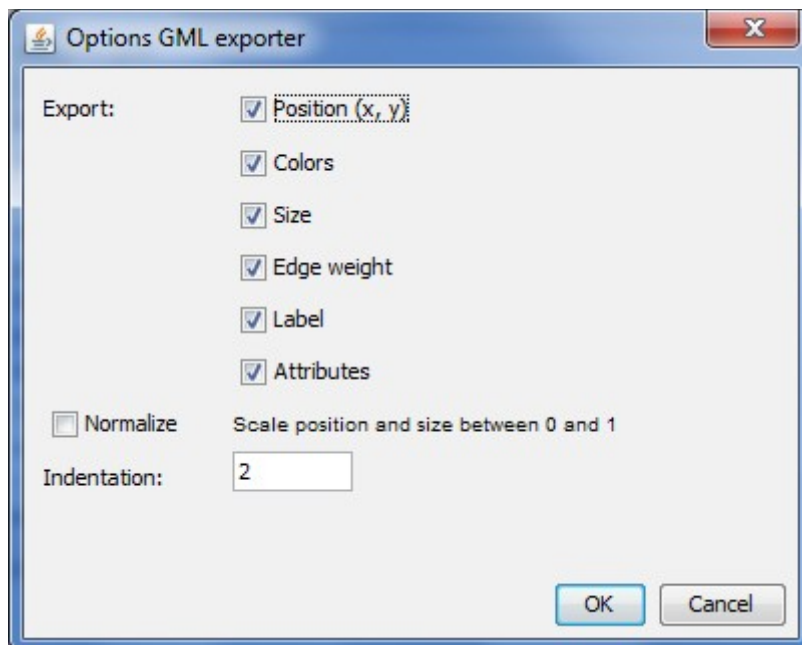
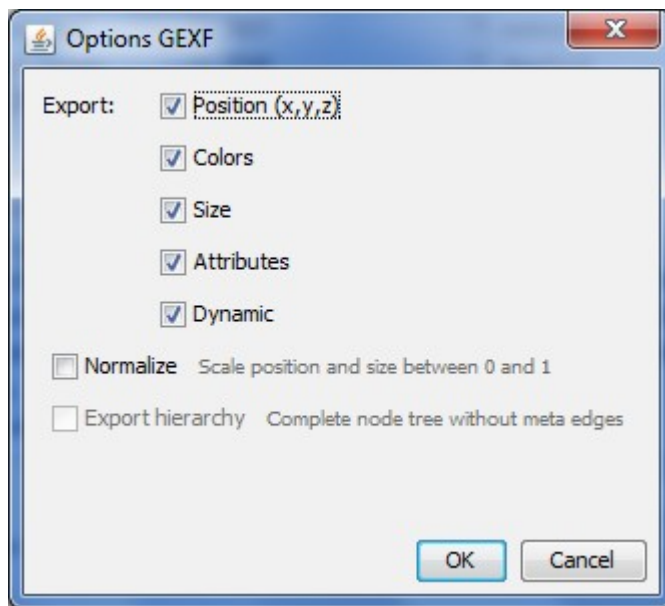




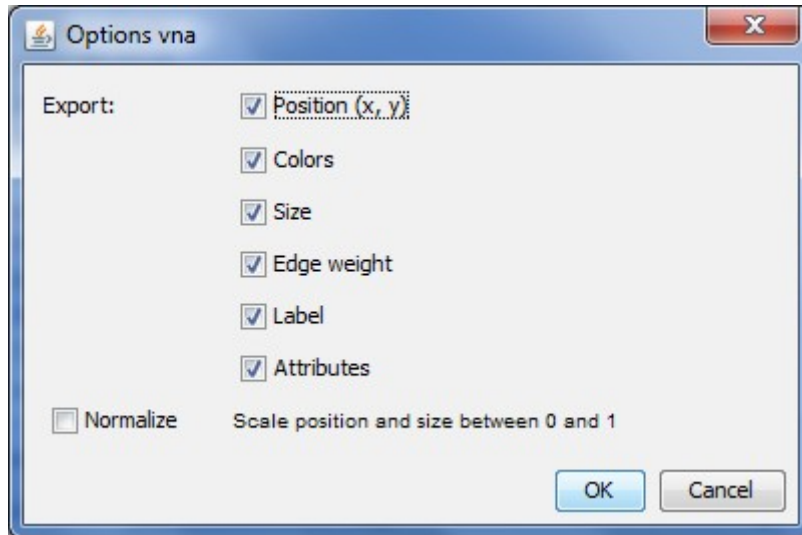
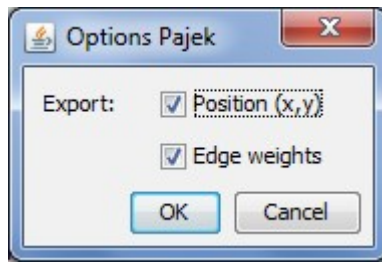
## Chapter 9

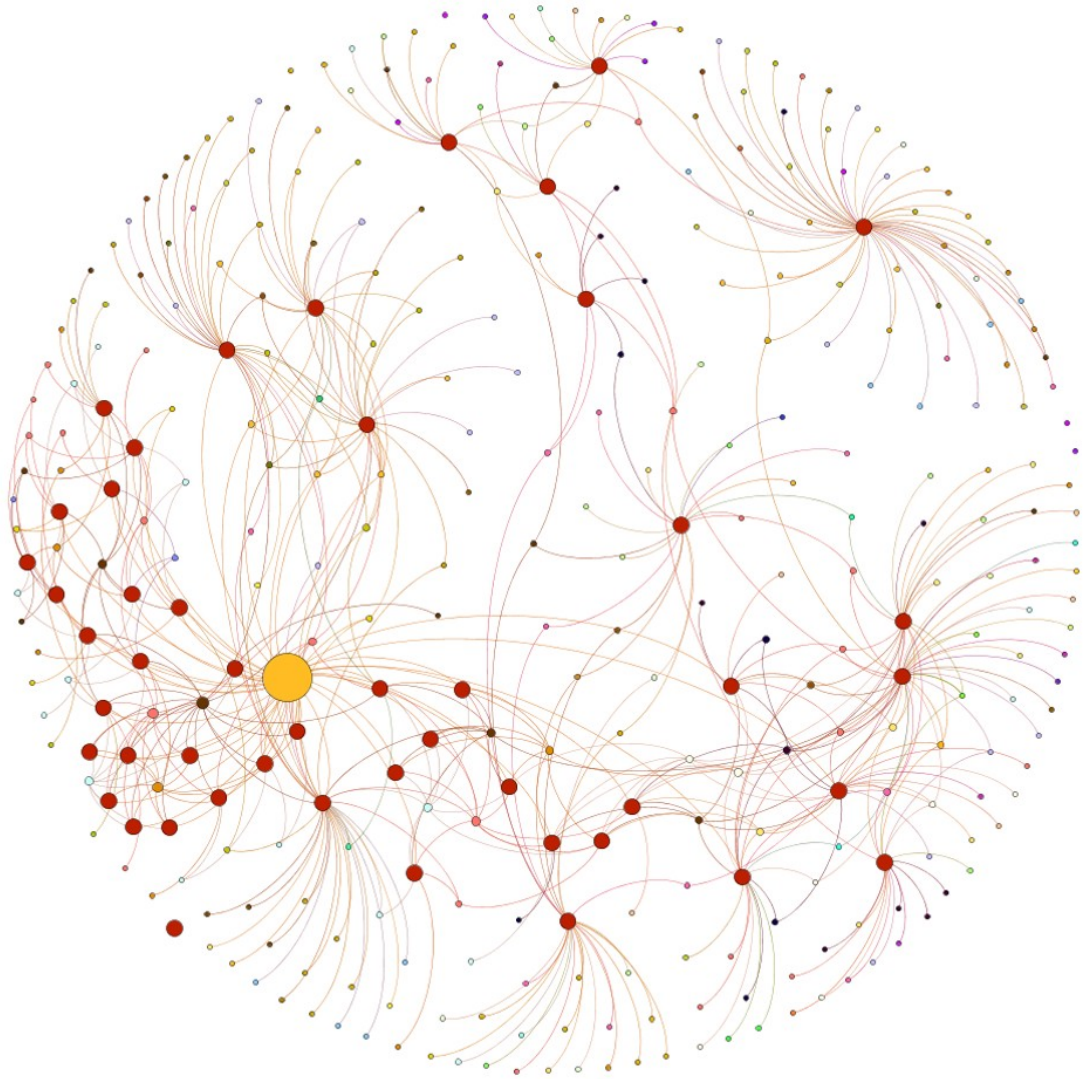
### Taking Your Graph Beyond Gephi

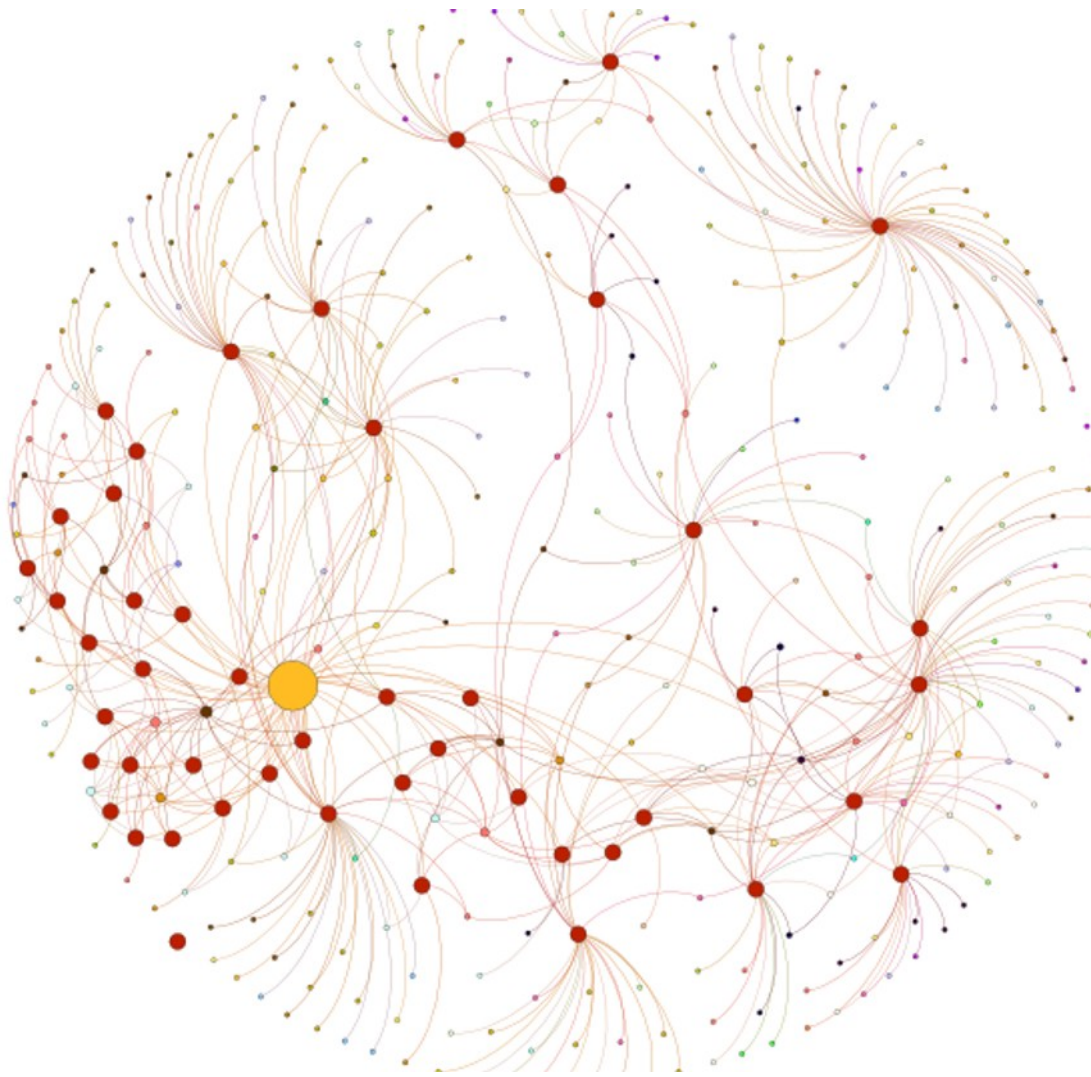


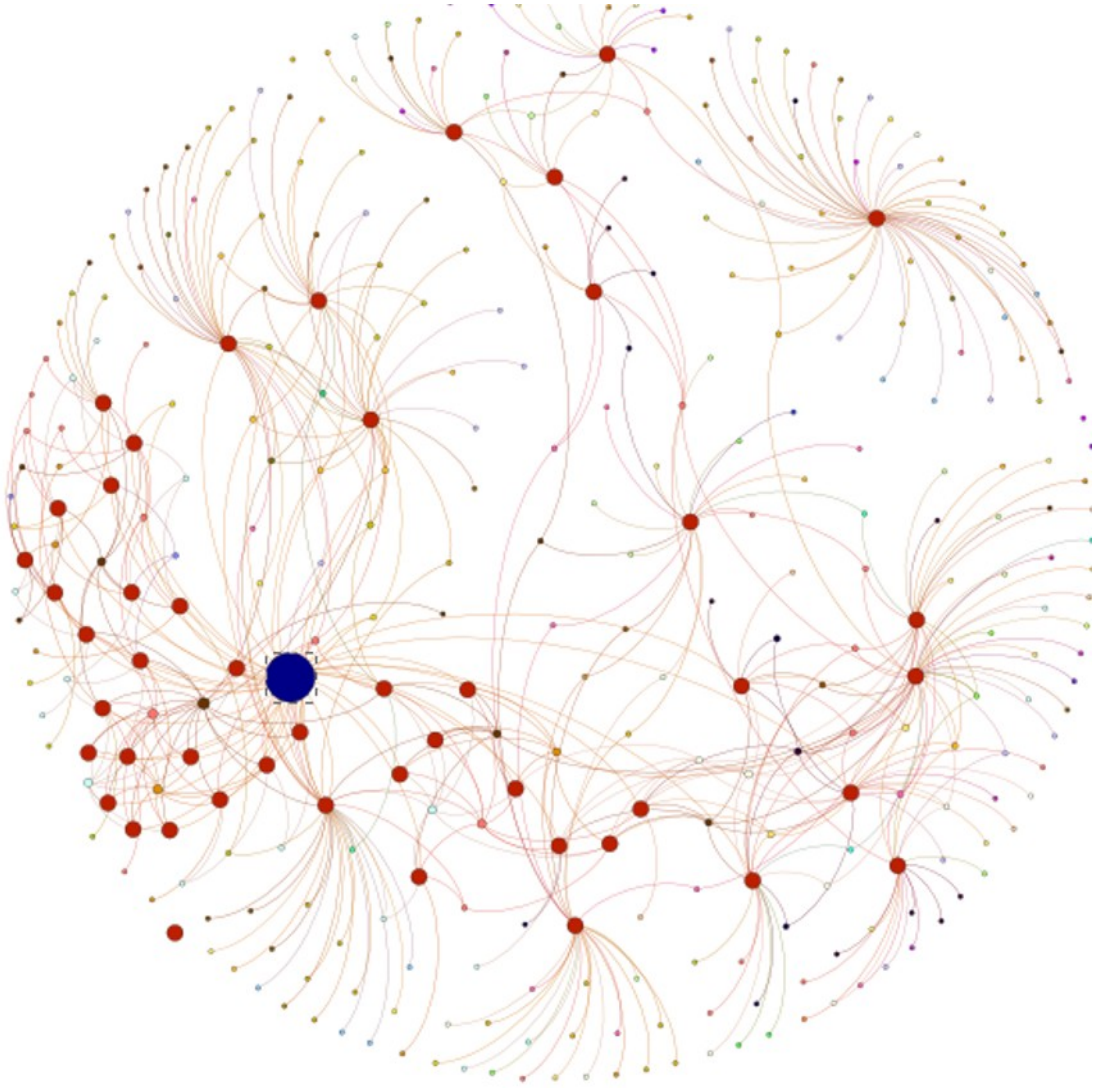




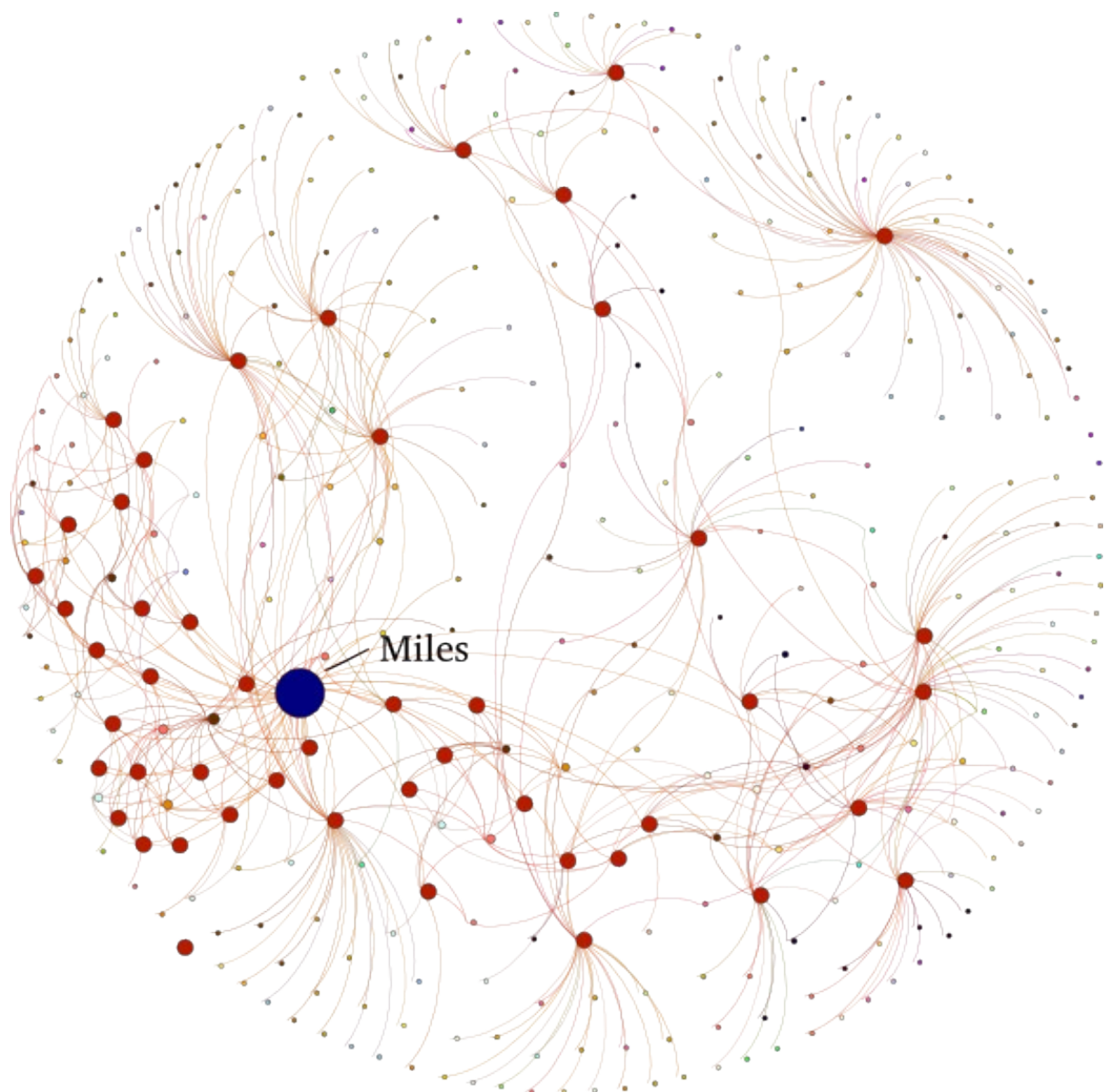






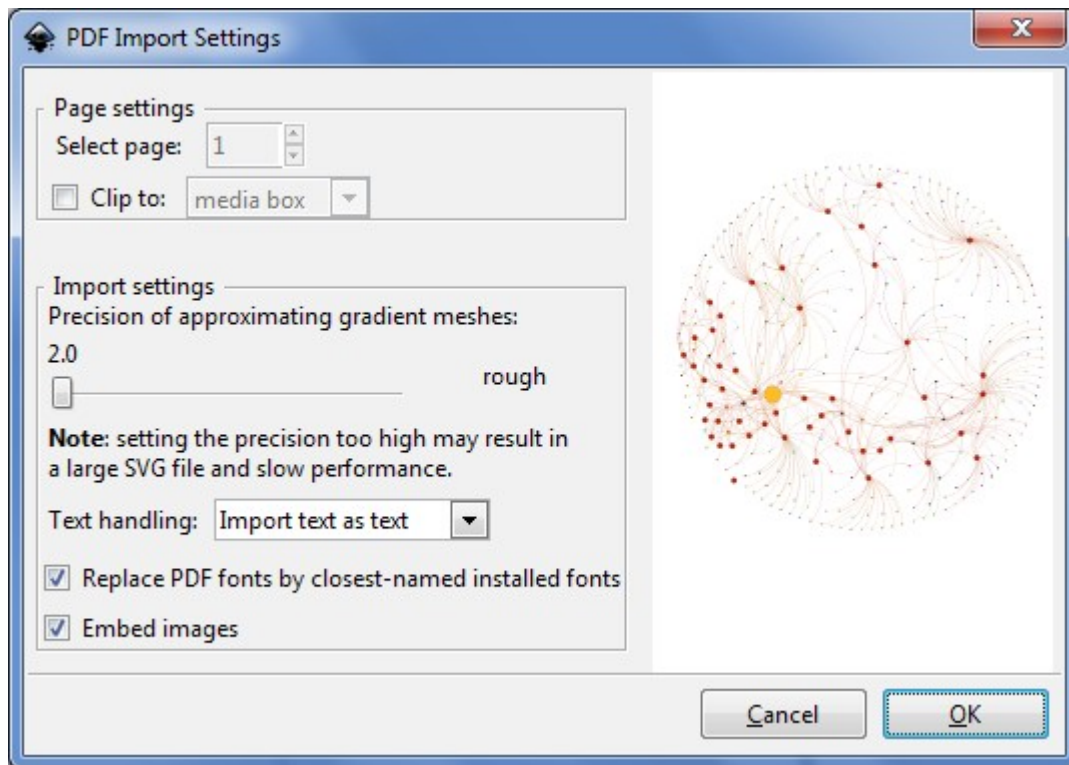
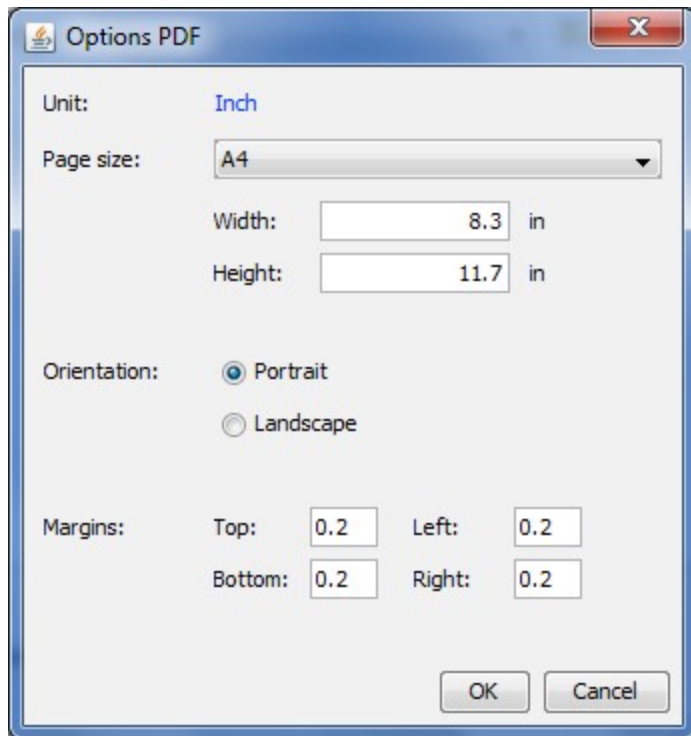






Miles Davis Studio Album Network





**Seadragon Web Export**

Export the current network to the Seadragon web technology, embeddable in any browser and allowing smooth network exploration

Select export directory:

C:\Users\kc2519 Browse

Width:  px      Tile Size:  px

Height:  px

Margins:  % of size

OK Cancel

**Sigma.js Export**

**Export to Sigma.js template**

C:\Users\kc2519\Documents\Business\Visual-Baseball\Applications\Gephi\ Browse...

<b>Legend</b>	<b>Branding</b>	<b>Features</b>
Node* <input type="text" value="Musicians"/>	Logo (url) <input type="text"/>	<input checked="" type="checkbox"/> Include search? <input type="checkbox"/> Group edges by direction?
Edge* <input type="text" value="Played on a Recordi"/>	Link <input type="text"/>	Hover behavior <input type="text" value="Dim"/>
Color* <input type="text" value="Instrument"/>	Author* <input type="text" value="Ken Cherven"/>	Group Selector? <input type="text" value="None"/>
	Title* <input type="text" value="Miles Davis Studio A"/>	Image attribute? <input type="text" value="None (Default)"/>

**Attributes**      **Short Description\***

The Miles Davis discography browser shows all 48 studio albums recorded by the legendary Miles Davis. Miles is a display, surrounded by nodes representing each of the recordings, and all of the musicians who were part of an

**Long Description\***

<p>Weight is simply a measure of the number of albums played on by a musician/instrument combination. Node sizes reflect this value. </p>

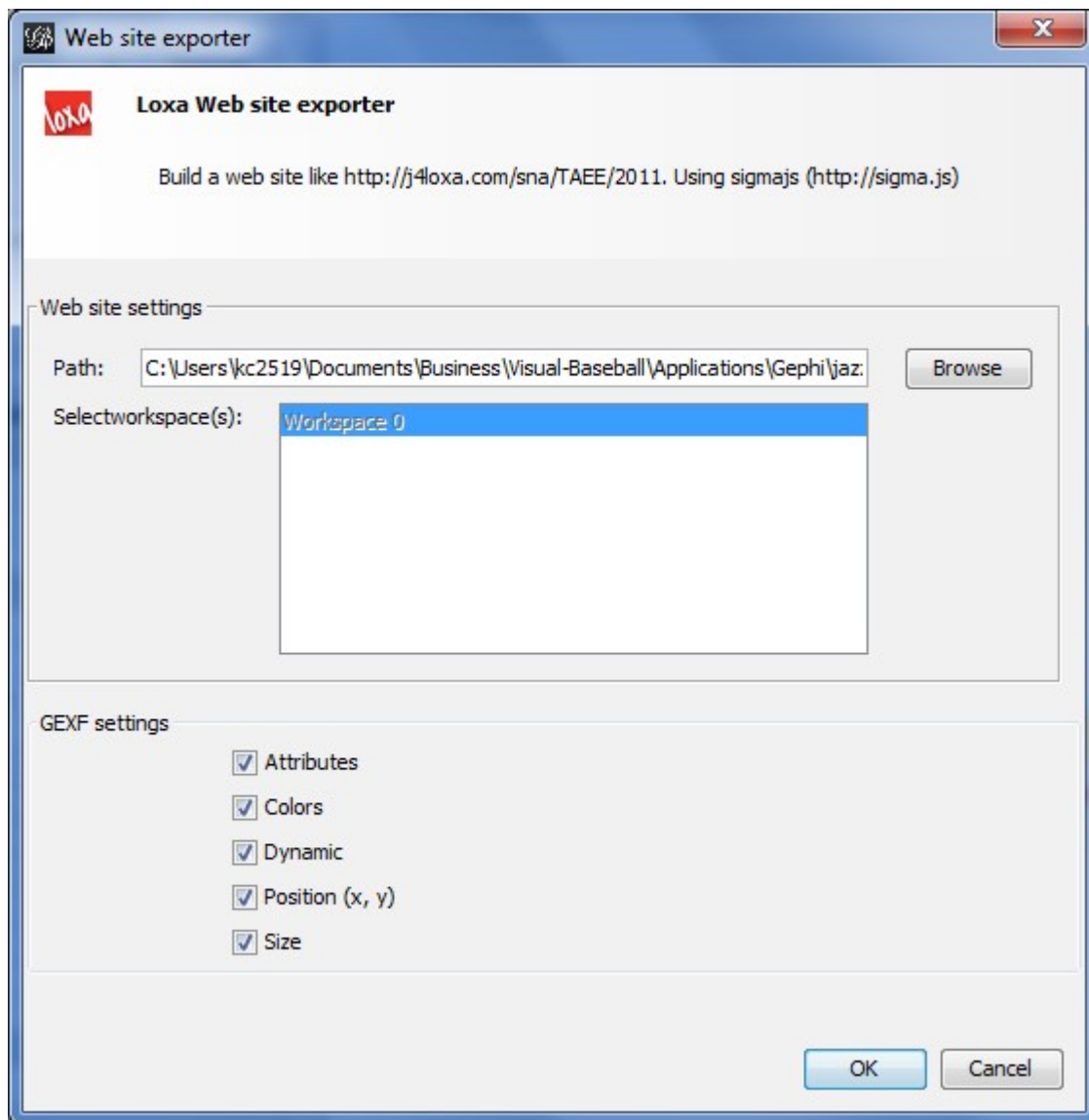
<p>A degree refers to a connection to another node, so the degree measure provides a total count of the number of connections one node possesses. </p>

<p>Closeness Centrality is a measure of the average distance a node is from all other members of the network, using the shortest distance path. Therefore, a lower

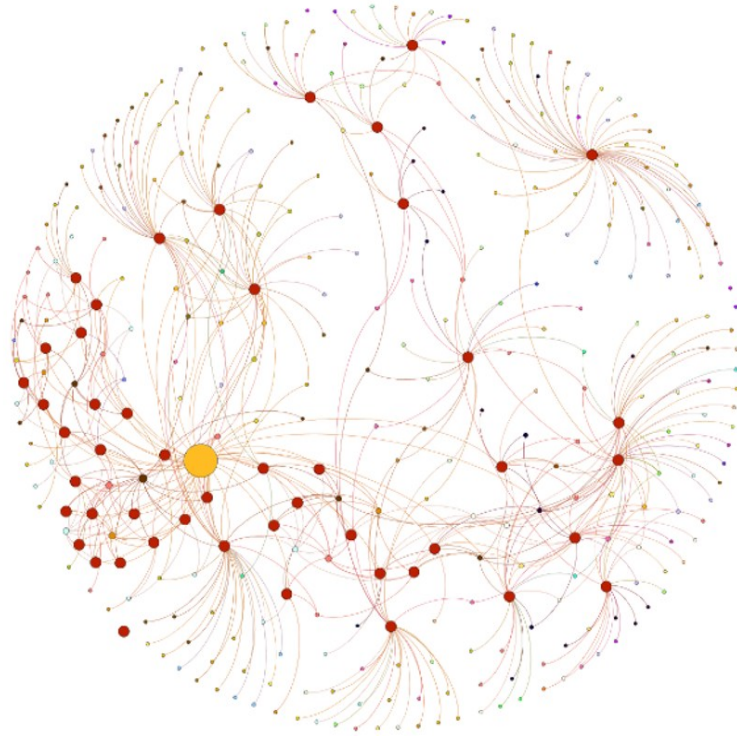
</h4>

Replace node ids with numbers

OK Cancel



## Gephi Seadragon Export



### Miles Davis Studio Album Network

The Miles Davis discography browser shows all 48 studio albums recorded by the legendary Miles Davis. Miles is at the center of the display, surrounded by nodes representing each of the recordings, and all of the musicians who were part of an album.

*i* More about this visualisation

**Legend:**

- Musicians
- Played on a Recording
- Instrument

---

**Search:**

**Group Selector:**

- Group 1 (3 members)
- Group 2 (17 members)
- Group 3 (6 members)
- Group 4 (13 members)
- Group 5 (7 members)
- Group 6 (14 members)
- Group 7 (48 members)
- Group 8 (2 members)

## Information Pane

---

**rgb(204,165,0)**

### Group Members:

- [French Horn - Art Maeba](#)
- [French Horn - Bill Hinshaw](#)
- [French Horn - Don Corrado](#)
- [French Horn - Earl Chapin](#)
- [French Horn - Gunther Schuller](#)
- [French Horn - James Buffington](#)
- [French Horn - Joe Singer](#)
- [French Horn - John Barrows](#)
- [French Horn - Julius Watkins](#)
- [French Horn - Ray Alonge](#)
- [French Horn - Richard Perissi](#)
- [French Horn - Tony Miranda](#)
- [French Horn - Willie Ruff](#)

### Search:



#### Search Results:

- Soprano Sax - Wayne Shorter
- Tenor Sax - Wayne Shorter



## Information Pane

---

### Soprano Sax - Wayne Shorter

Betweenness Centrality: 0.0

Released:

Record\_Label:

Eccentricity: 0.0

Closeness Centrality: 0.0

Group: Soprano Sax

Color: #ffdb19

Size: 5

#### Connections:

[Album - Big Fun](#)

[Album - Bitches Brew](#)

[Album - In a Silent Way](#)

[Album - Live-Evil](#)

[Album - Water Babies](#)

## Information Pane

---

### Album - Walkin'

Betweenness Centrality: 0.0

Released: 1954

Record\_Label: Prestige

Eccentricity: 0.0

Closeness Centrality: 0.0

Group: Album

Color: #e50000

Size: 25

#### Connections:

[Alto Sax - David Schildkraut](#)

[Bass - Percy Heath](#)

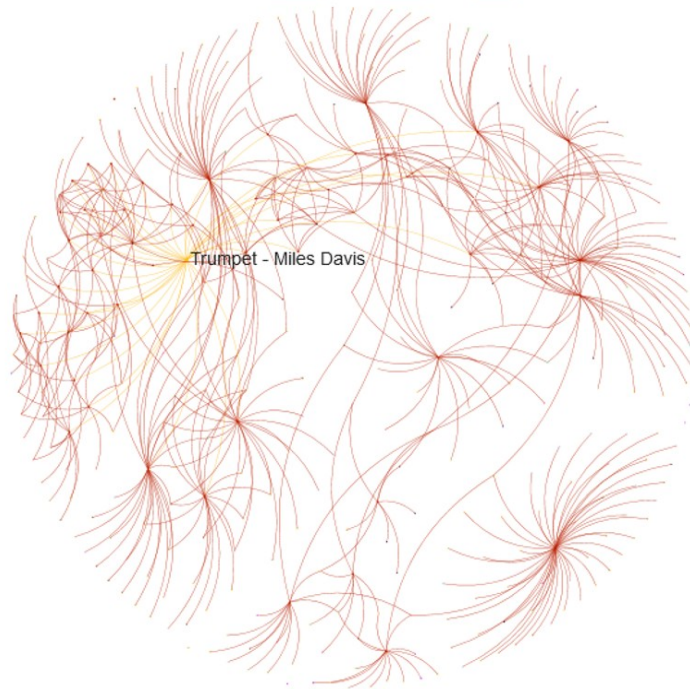
[Drums - Kenny Clarke](#)

[Piano - Horace Silver](#)

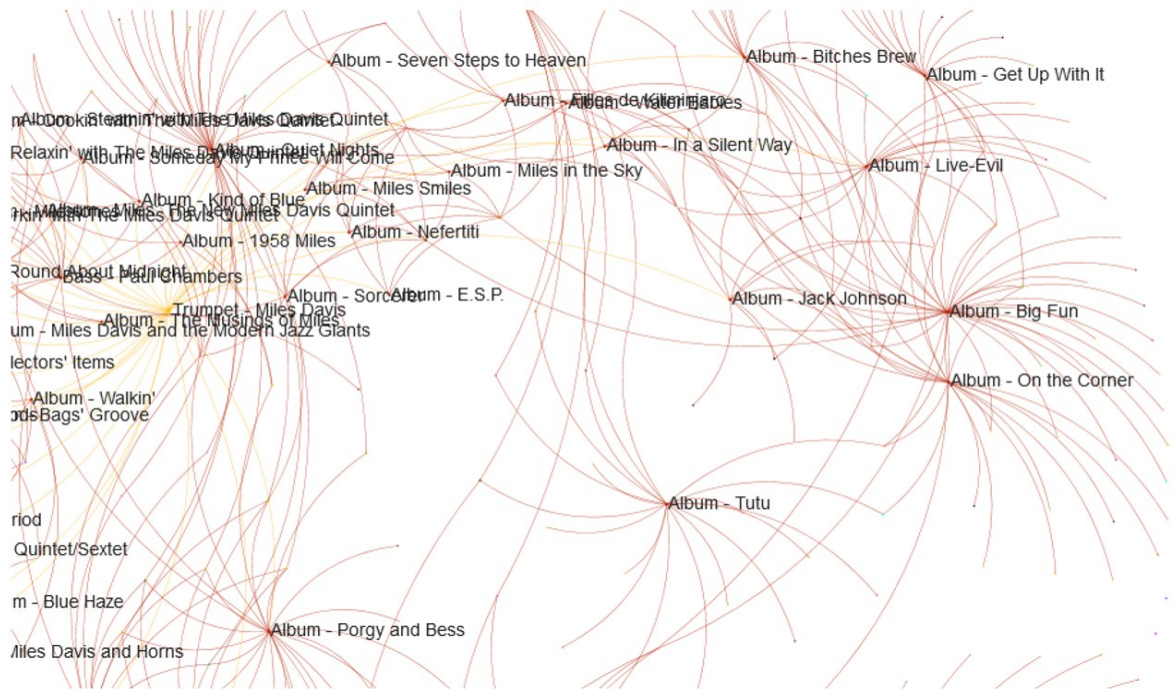
[Tenor Sax - Lucky Thompson](#)

[Trombone - J.J. Johnson](#)

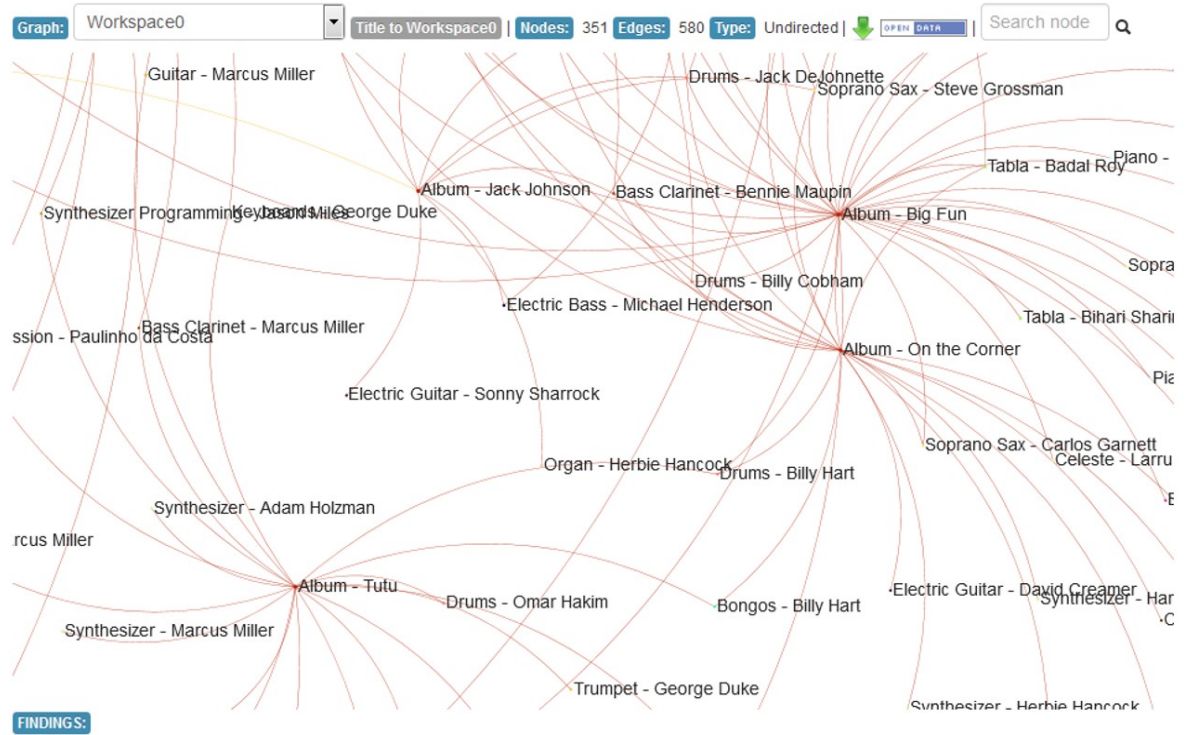
[Trumpet - Miles Davis](#)



FINDINGS:



FINDINGS:



**About the project**

This analysis displays the 48 studio recordings of legendary trumpeter Miles Davis, as well as each of the musicians playing on the albums. Users have the ability to zoom in to learn more about both the recordings and the variety of contributing musicians.

**Objectives**

In creating this visualization I wanted to achieve a couple of main purposes:

- Draw attention to the marvelous body of work produced by this legendary musician
- Display the wide range of fellow musicians and the instrumental diversity within the music

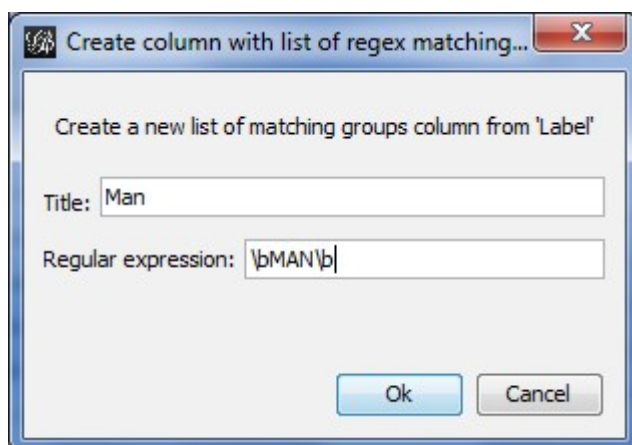
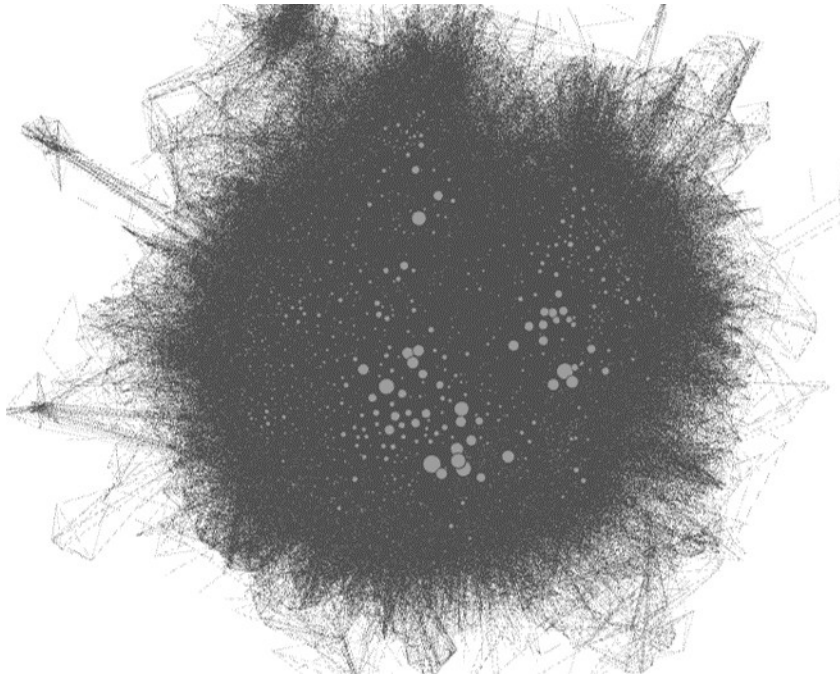


## About us

The Visual-Baseball Project [can be found here](#)

### Chapter 10

#### Putting It All Together



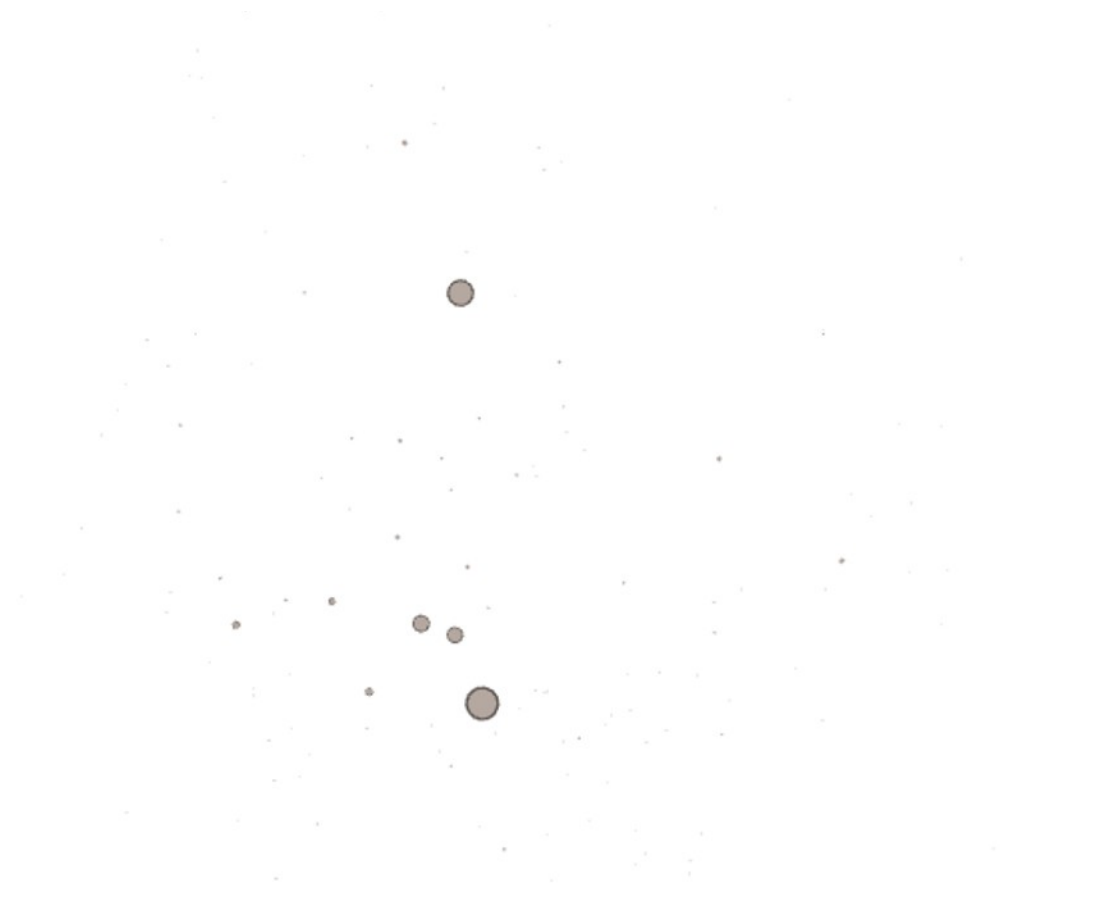
Queries

+ Equal (Man)

Equal (Man) Settings

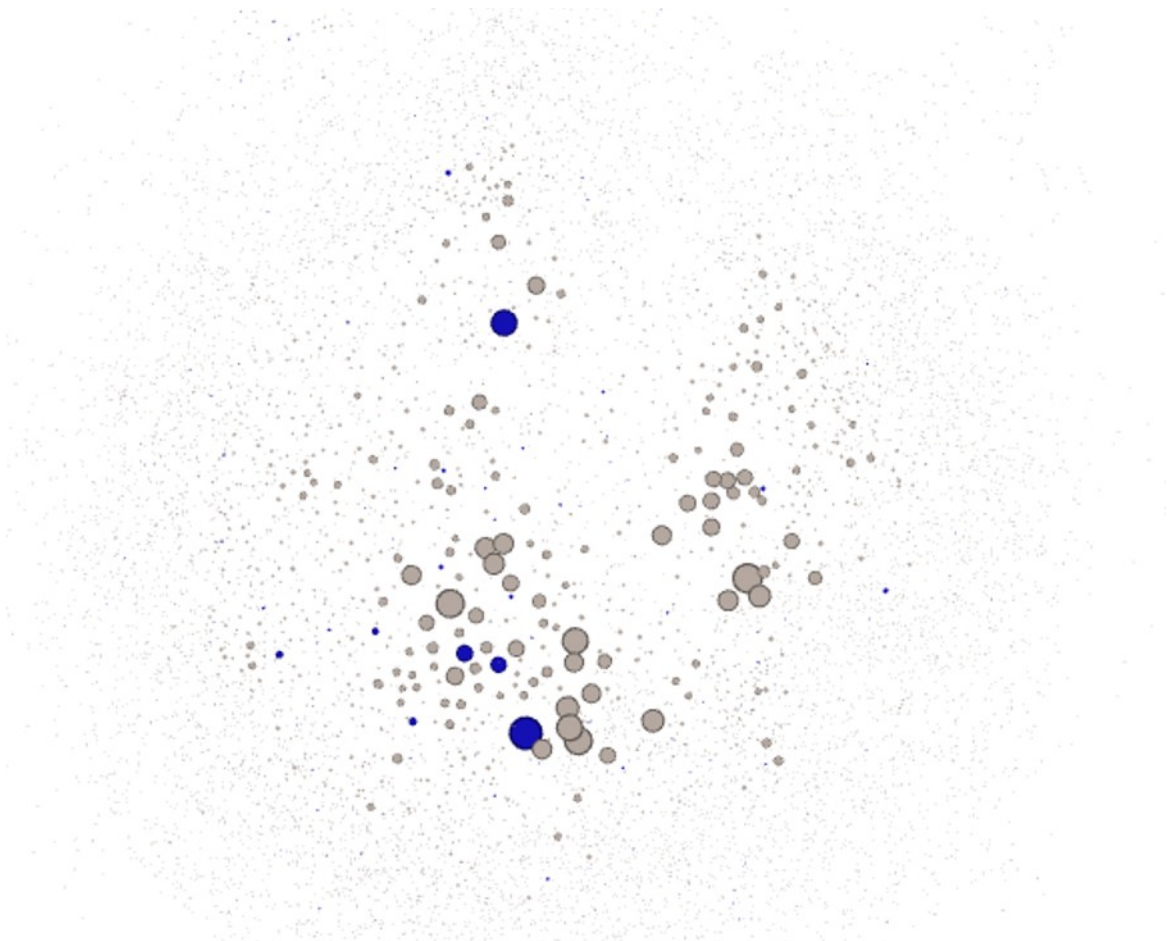
Pattern:

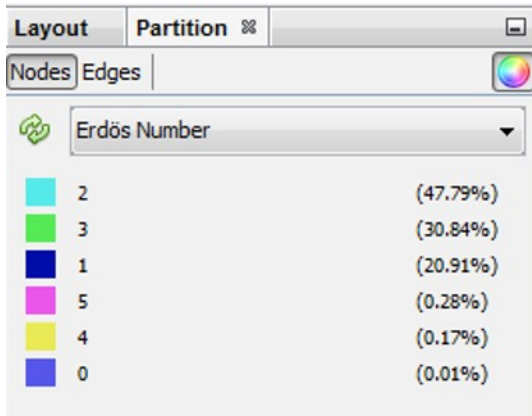
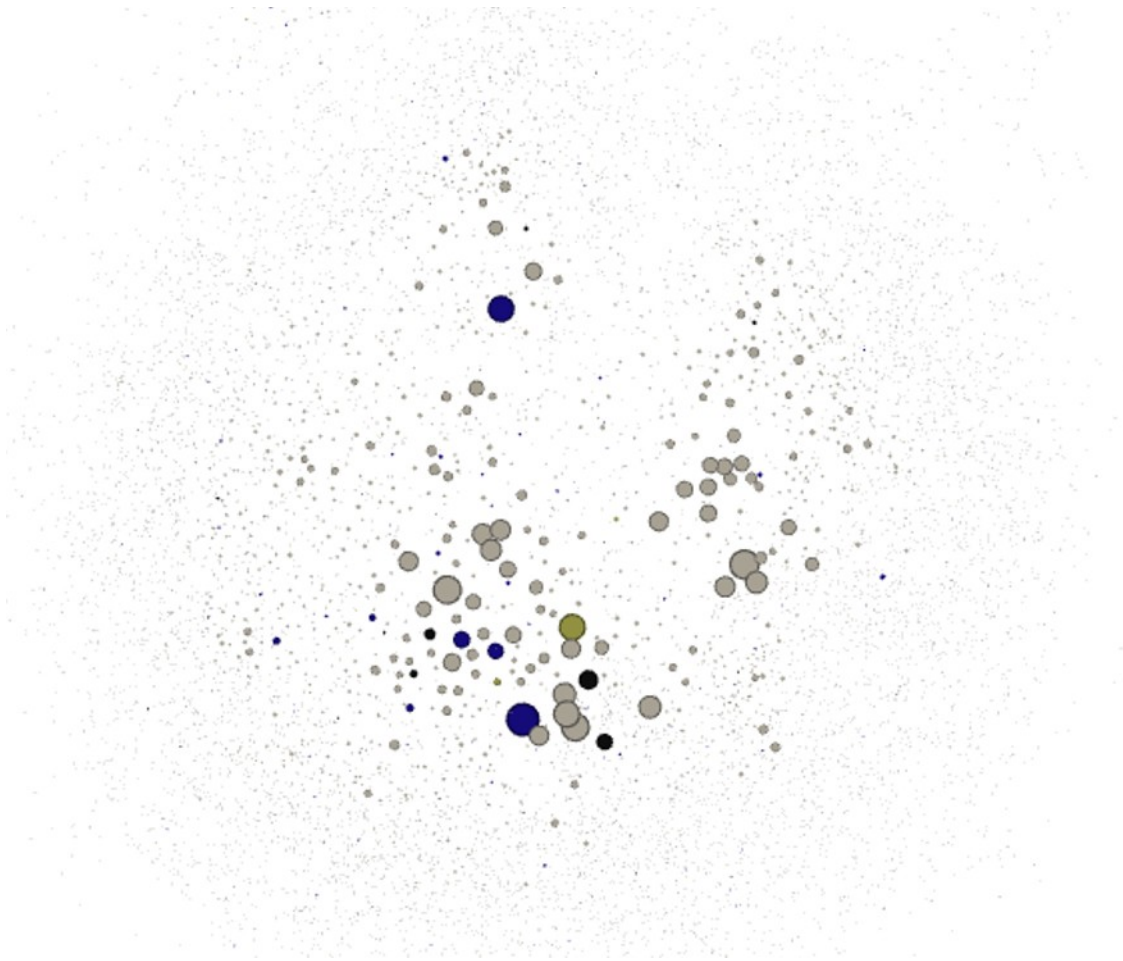
Use regex

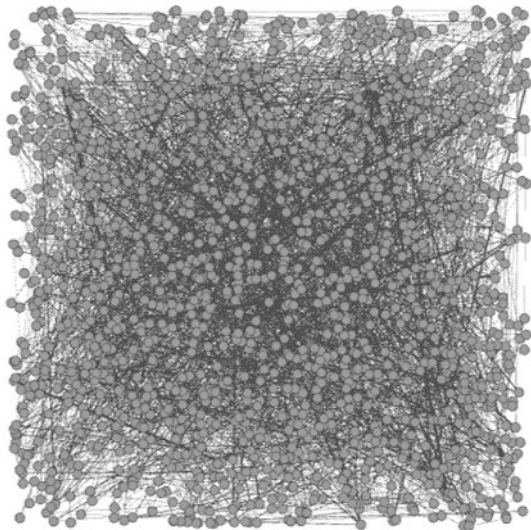
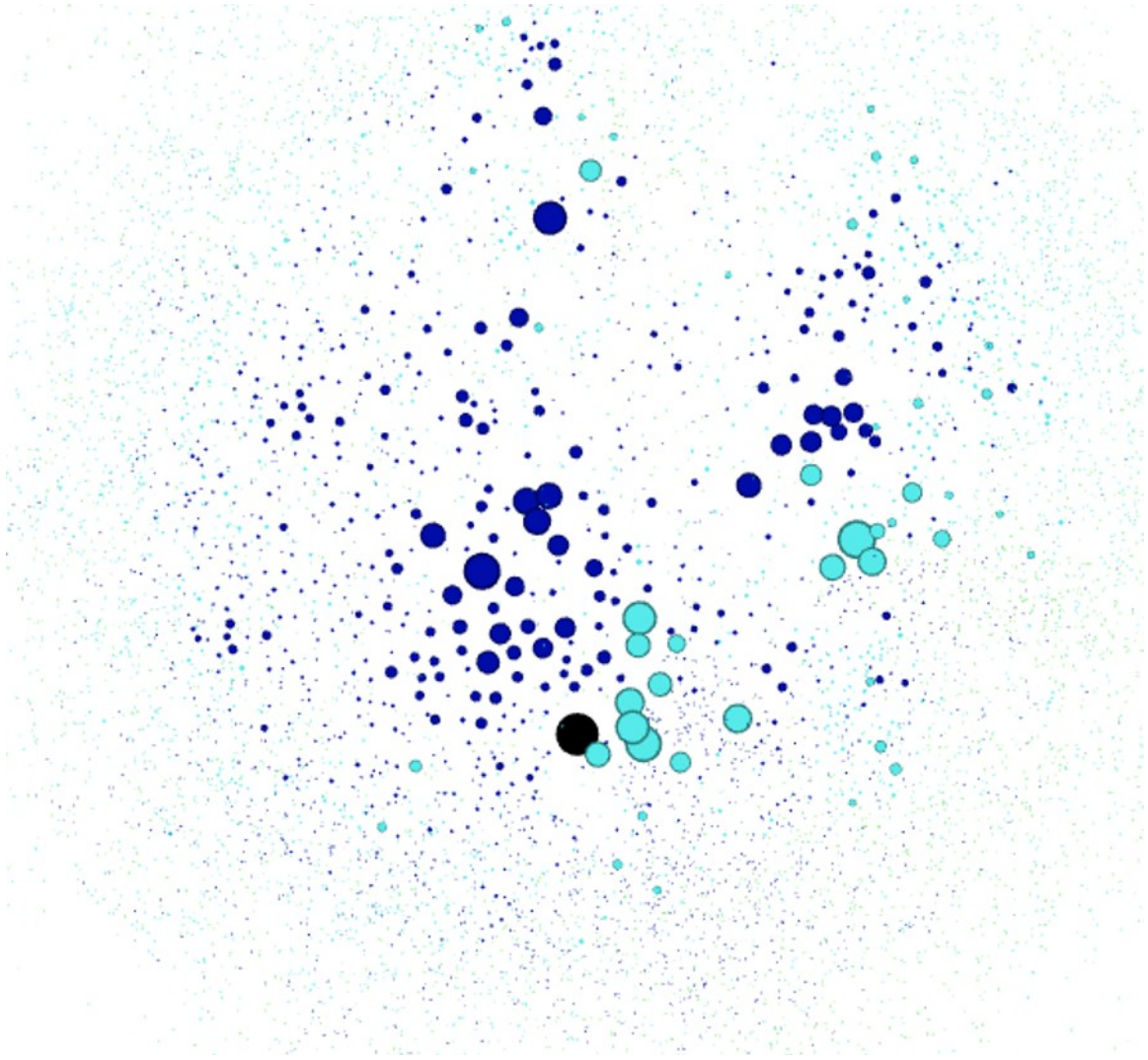


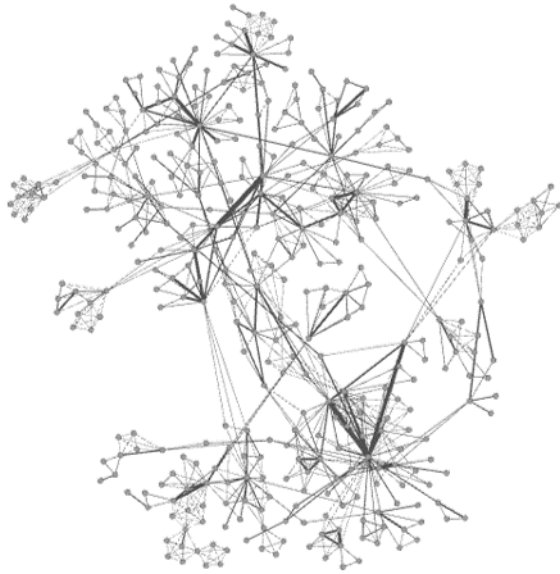
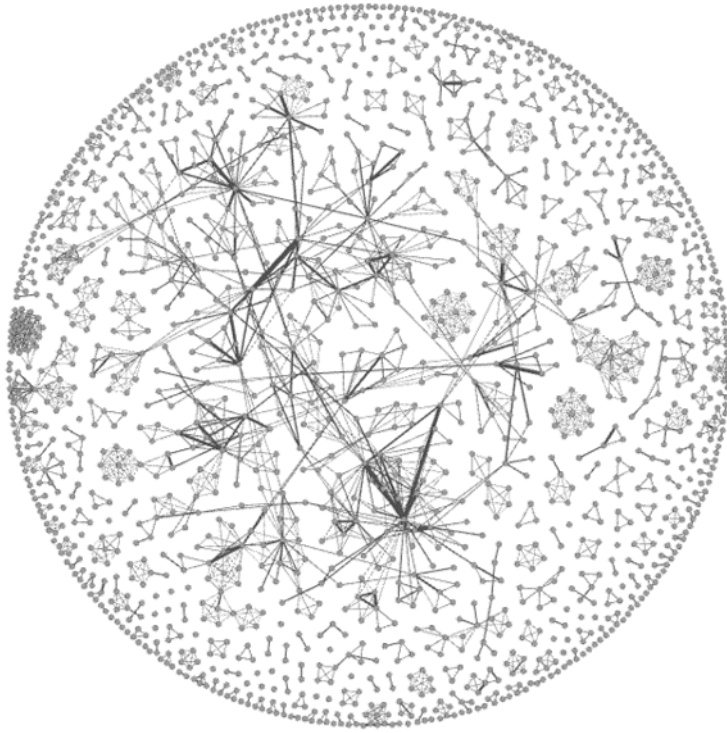


Label	Man
IRON MAN/TONY STARK	MAN
IRON MAN IV/JAMES R.	MAN
MAN-THING/THEODORE T	MAN
SEAWEED MAN	MAN
SPIDER -MAN/PETER PAR	MAN
WONDER MAN/SIMON WIL	MAN
, "WONDER MAN/SIMON WIL	MAN
, "IRON MAN/TONY STARK	MAN
, "IRON MAN IV/JAMES R.	MAN
COBALT MAN	MAN
, "COBALT MAN	MAN

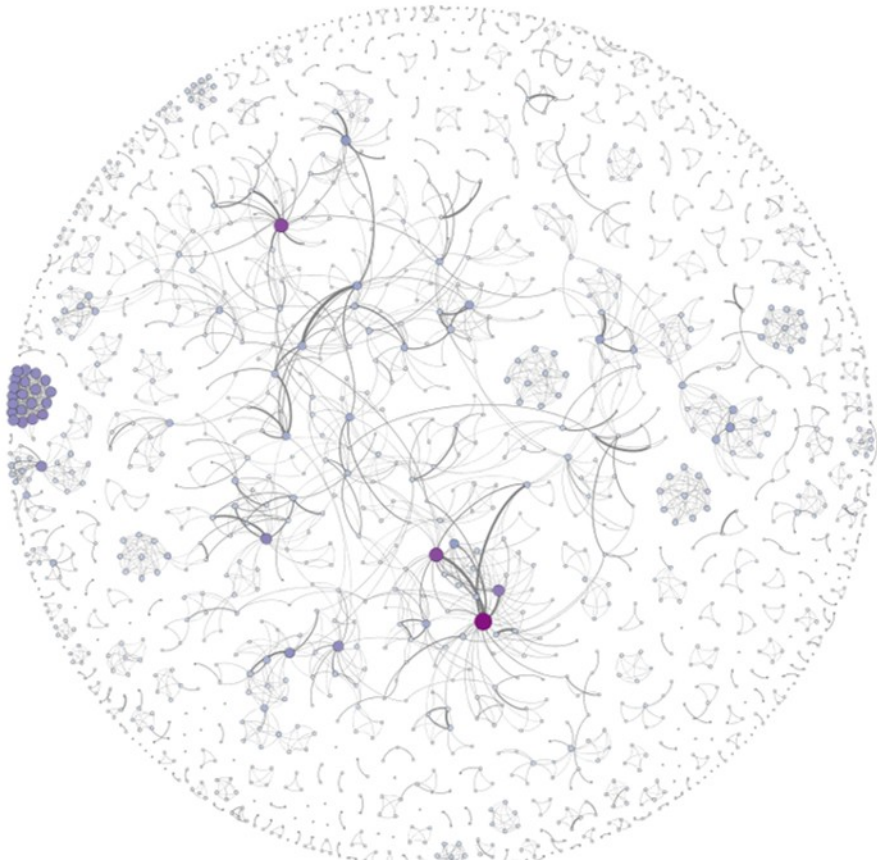












**Mark Newman Net Science Network**

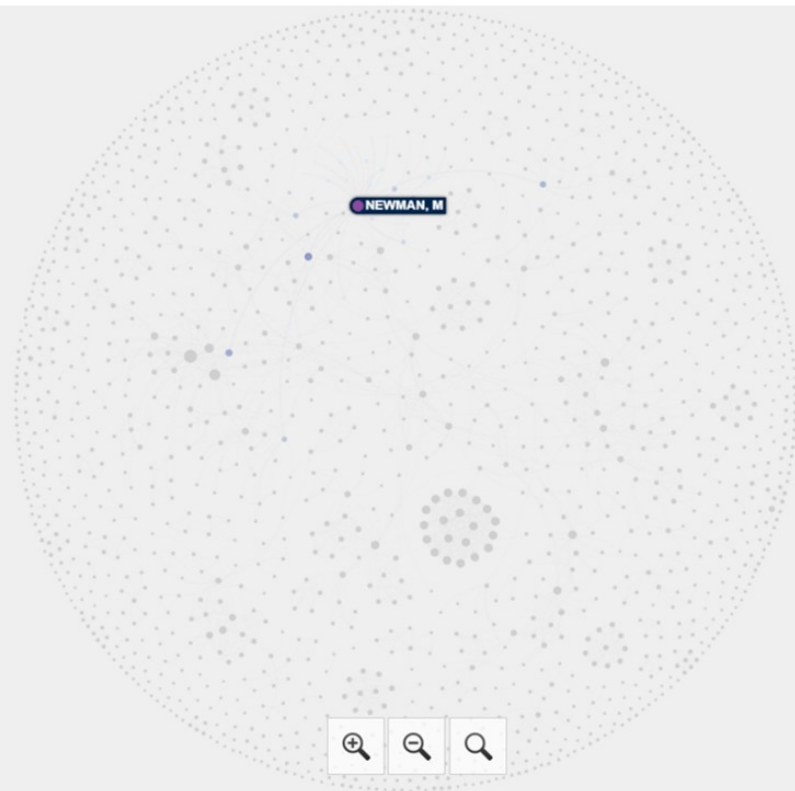
This is a depiction of the Newman NetScience network, showing collaborations among hundreds of scientists.

*i* More about this visualisation

**Legend:**

- Network Scientists
- \ Collaborations
- Number of Collaborations

**Search:**





## Information Pane

NEWMAN, M

### Connections:

[ANCELMEYERS, L](#)  
[BALTHROP, J](#)  
[CALLAWAY, D](#)  
[CLAUSET, A](#)  
[DODDS, P](#)  
[FORREST, S](#)  
[GASTNER, M](#)  
[GHOSHAL, G](#)  
[GIRVAN, M](#)  
[HOLME, P](#)  
[HOPCROFT, J](#)  
[JIN, E](#)  
[KLEINBERG, J](#)  
[LEICHT, E](#)  
[LUSSEAU, D](#)  
[MARTIN, M](#)  
[MOORE, C](#)  
[MUCHA, P](#)  
[PARK, J](#)  
[PORTER, M](#)  
[SCHRAG, S](#)  
[SNEPPEN, K](#)  
[SOLE, R](#)  
[STAUFFER, D](#)  
[STROGATZ, S](#)  
[WARMBRAND, C](#)  
[WATTS, D](#)

Create time interval

**Time Interval creation options**

Choose columns to use as start and/or end times.  
Also you can choose default start and end times to use when values are not correct or missing, else infinity will be used instead.

Start time column:

End time column:

Parse numbers

Default start time:

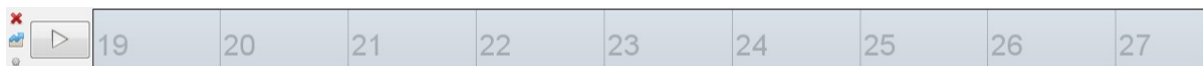
Default end time:

Parse dates

Date format:

Default start time:

Default end time:



Layout ☰ Partition ☐

Yifan Hu ▾

i ▶ Run

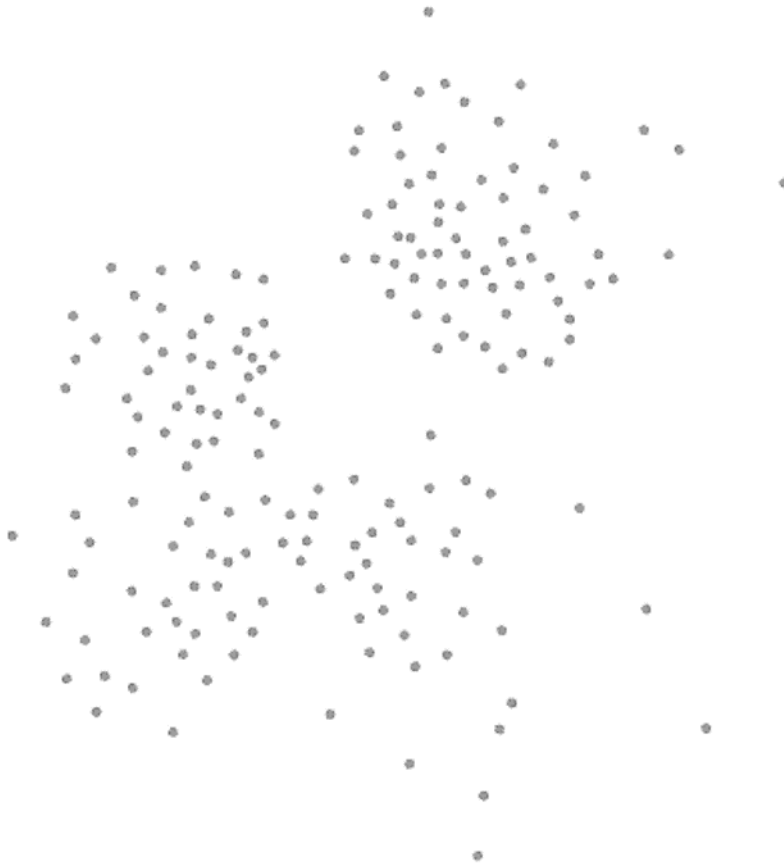
Barnes-Hut's properties

Quadtree Max Level	10
Theta	1.2

Yifan Hu's properties

Optimal Distance	300.0
Relative Strength	0.2
Initial Step size	20.0
Step ratio	0.95
Adaptive Cooling	<input checked="" type="checkbox"/>
Convergence Threshold	1.0E-4

Yifan Hu ⊙



Nodes Edges

Degree

Min size: 2 Max size: 20

Range: 2 56

Spline... Apply

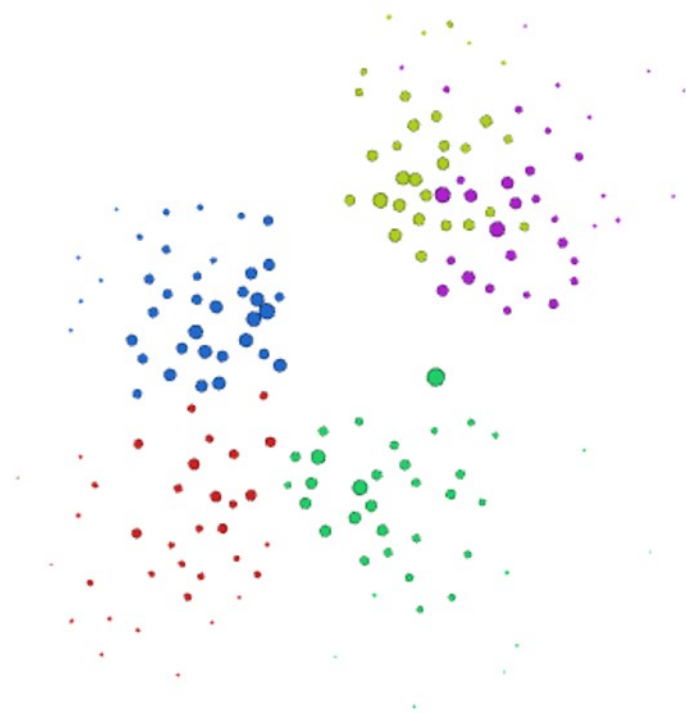
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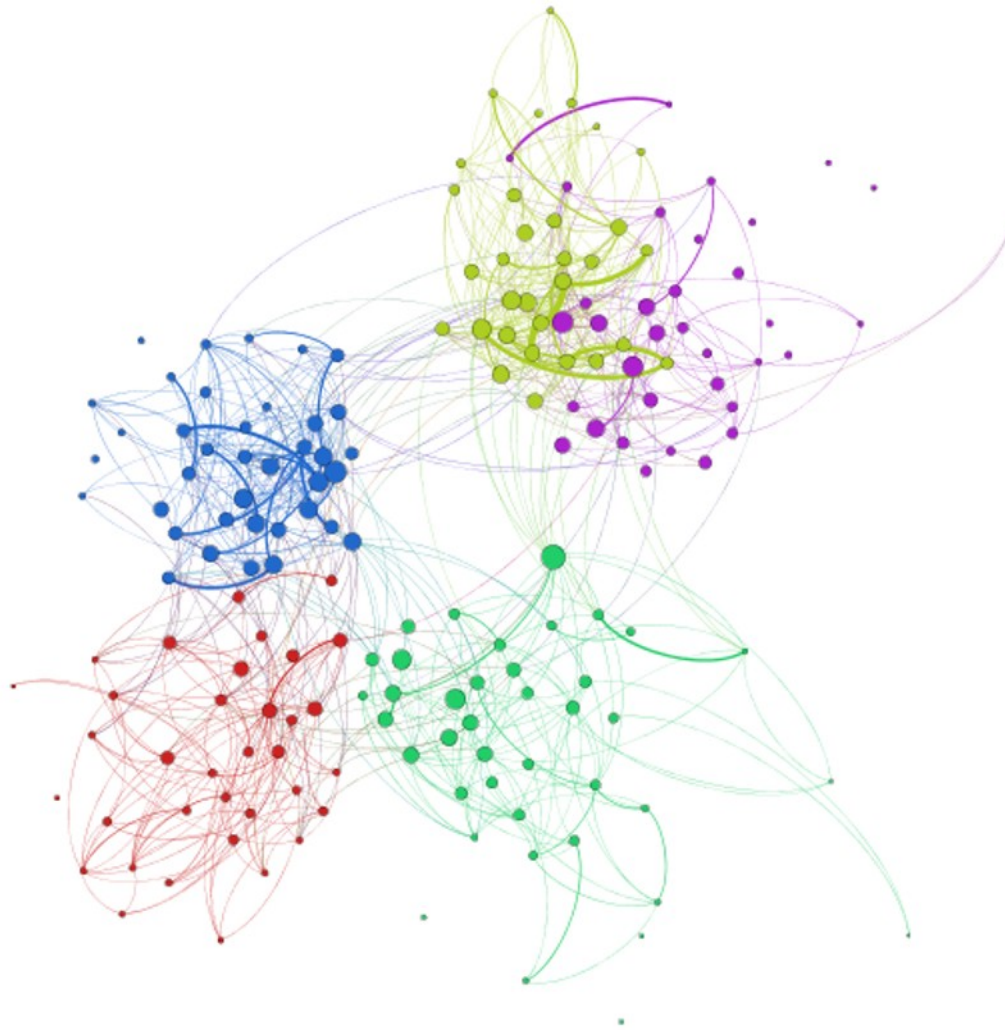
Layout Partition %

Nodes Edges

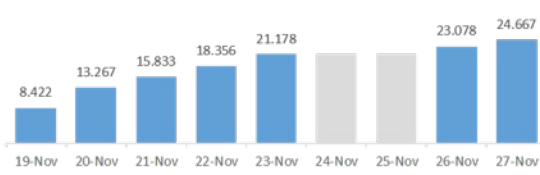
Class

PSI*	(22.78%)
PC	(21.11%)
MP*2	(19.44%)
PC*	(19.44%)
MP*1	(17.22%)

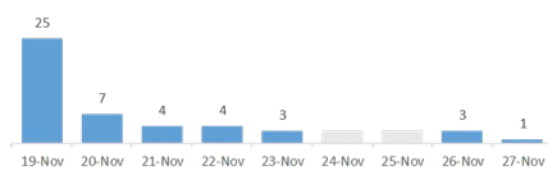




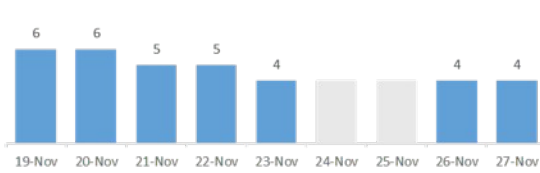
Average Degree



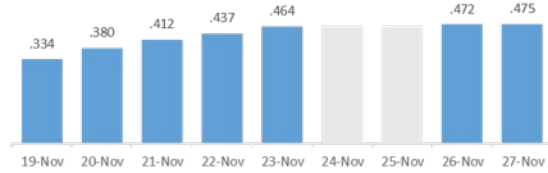
Connected Components



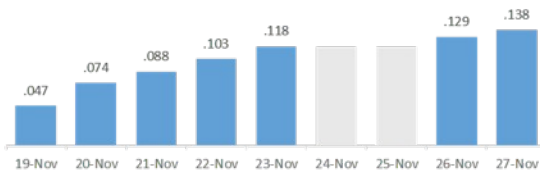
Network Diameter



Average Clustering Coefficient



Graph Density



Average Path Length

