

OverviewData LaboratoryPreviewWorkspace 1

Data Table

NodesEdgesConfigurationAdd nodeAdd edgeSearch/ReplaceImport SpreadsheetExport tableMore actions

Filter:Id

Id	Label	Interval
New York (JFK)		
London (LHR)		
Los Angeles (LAX)		
Tokyo (NRT)		
Dubai (DXB)		
Sydney (SYD)		
Singapore (SIN)		
Paris (CDG)		
Hong Kong (HKG)		
San Francisco (SFO)		
Chicago (ORD)		
Frankfurt (FRA)		
Toronto (YYZ)		
Mumbai (BOM)		
Delhi (DEL)		
Bangkok (BKK)		
Melbourne (MEL)		
Istanbul (IST)		
Shanghai (PVG)		
Madrid (MAD)		
Miami (MIA)		
Seoul (ICN)		
Johannesburg (JNB)		
Amsterdam (AMS)		
Rio de Janeiro (GIG)		
Lisbon (LIS)		
Mexico City (MEX)		
Beijing (PEK)		
Cape Town (CPT)		
Jakarta (CGK)		
Doha (DOH)		
Berlin (BER)		
Kuala Lumpur (KUL)		
Zurich (ZRH)		
Sao Paulo (GRU)		

Add columnMerge columnsDelete columnClear columnCopy data to other columnFill column with a valueDuplicate columnCreate a boolean column from regex matchCreate column with list of regex matching groupsNegate boolean valuesConvert column to dynamic

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Data Table

NodesEdgesConfigurationAdd nodeAdd edgeSearch/ReplaceImport SpreadsheetExport tableMore actions

Filter:Id

Id	Label	Interval
Bangkok (BKK)		
Melbourne (MEL)		
Istanbul (IST)		
Shanghai (PVG)		
Madrid (MAD)		
Miami (MIA)		
Seoul (ICN)		
Johannesburg (JNB)		
Amsterdam (AMS)		
Rio de Janeiro (GIG)		
Lisbon (LIS)		
Mexico City (MEX)		
Beijing (PEK)		
Cape Town (CPT)		
Jakarta (CGK)		
Doha (DOH)		
Berlin (BER)		
Kuala Lumpur (KUL)		
Zurich (ZRH)		
Sao Paulo (GRU)		
Athens (ATH)		
Cairo (CAI)		
Manila (MNL)		
Hanoi (HAN)		
Moscow (SVO)		
Buenos Aires (EZE)		
Warsaw (WAW)		
Oslo (OSL)		
Lima (LIM)		
Stockholm (ARN)		
Brussels (BRU)		
Rome (FCO)		
Boston (BOS)		
Dublin (DUB)		
Vienna (VIE)		

Add columnMerge columnsDelete columnClear columnCopy data to other columnFill column with a valueDuplicate columnCreate a boolean column from regex matchCreate column with list of regex matching groupsNegate boolean valuesConvert column to dynamic

Overview

Data Laboratory

Preview

Workspace 1

Data Table

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Filter:Source

Source	Target	Type	Id	Label	Interval	Weight	distance (km)
New York (JFK)	London (LHR)	Directed	0			1.0	5567
Los Angeles (LAX)	Tokyo (NRT)	Directed	1			1.0	8770
Dubai (DXB)	Sydney (SYD)	Directed	2			1.0	12040
Singapore (SIN)	Paris (CDG)	Directed	3			1.0	10730
Hong Kong (HKG)	San Francisco (SFO)	Directed	4			1.0	11130
Chicago (ORD)	Frankfurt (FRA)	Directed	5			1.0	6980
Toronto (YYZ)	Dubai (DXB)	Directed	6			1.0	11090
Mumbai (BOM)	London (LHR)	Directed	7			1.0	7180
Delhi (DEL)	New York (JFK)	Directed	8			1.0	11770
Bangkok (BKK)	Melbourne (MEL)	Directed	9			1.0	7400
Istanbul (IST)	Los Angeles (LAX)	Directed	10			1.0	11010
Shanghai (PVG)	Chicago (ORD)	Directed	11			1.0	11250
Madrid (MAD)	Miami (MIA)	Directed	12			1.0	7100
Seoul (ICN)	Toronto (YYZ)	Directed	13			1.0	10600
Johannesburg (JNB)	Amsterdam (AMS)	Directed	14			1.0	9050
Rio de Janeiro (GIG)	Lisbon (LIS)	Directed	15			1.0	7700
Mexico City (MEX)	Madrid (MAD)	Directed	16			1.0	9100
Beijing (PEK)	London (LHR)	Directed	17			1.0	8130
Cape Town (CPT)	Dubai (DXB)	Directed	18			1.0	7640
Sydney (SYD)	Los Angeles (LAX)	Directed	19			1.0	12050
Jakarta (CGK)	Doha (DOH)	Directed	20			1.0	7320
Berlin (BER)	New York (JFK)	Directed	21			1.0	6370
Kuala Lumpur (KUL)	London (LHR)	Directed	22			1.0	10530
Zurich (ZRH)	San Francisco (SFO)	Directed	23			1.0	9400
Sao Paulo (GRU)	New York (JFK)	Directed	24			1.0	7730
Athens (ATH)	Dubai (DXB)	Directed	25			1.0	3260
Cairo (CAI)	Toronto (YYZ)	Directed	26			1.0	9150
Manila (MNL)	Hong Kong (HKG)	Directed	27			1.0	1140
Hanoi (HAN)	Seoul (ICN)	Directed	28			1.0	2740
Lisbon (LIS)	Paris (CDG)	Directed	29			1.0	1450
Moscow (SVO)	Bangkok (BKK)	Directed	30			1.0	7080
Buenos Aires (EZE)	Madrid (MAD)	Directed	31			1.0	10120
Warsaw (WAW)	New York (JFK)	Directed	32			1.0	6870
Oslo (OSL)	Dubai (DXB)	Directed	33			1.0	5270
Lima (LIM)	Los Angeles (LAX)	Directed	34			1.0	6680

Add column

Merge columns

Delete column

Clear column

Copy data to other column

Fill column with a value

Duplicate column

Create a boolean column from regex match

Create column with list of regex matching groups

Negate boolean values

Convert column to dynamic

OverviewData LaboratoryPreviewWorkspace 1

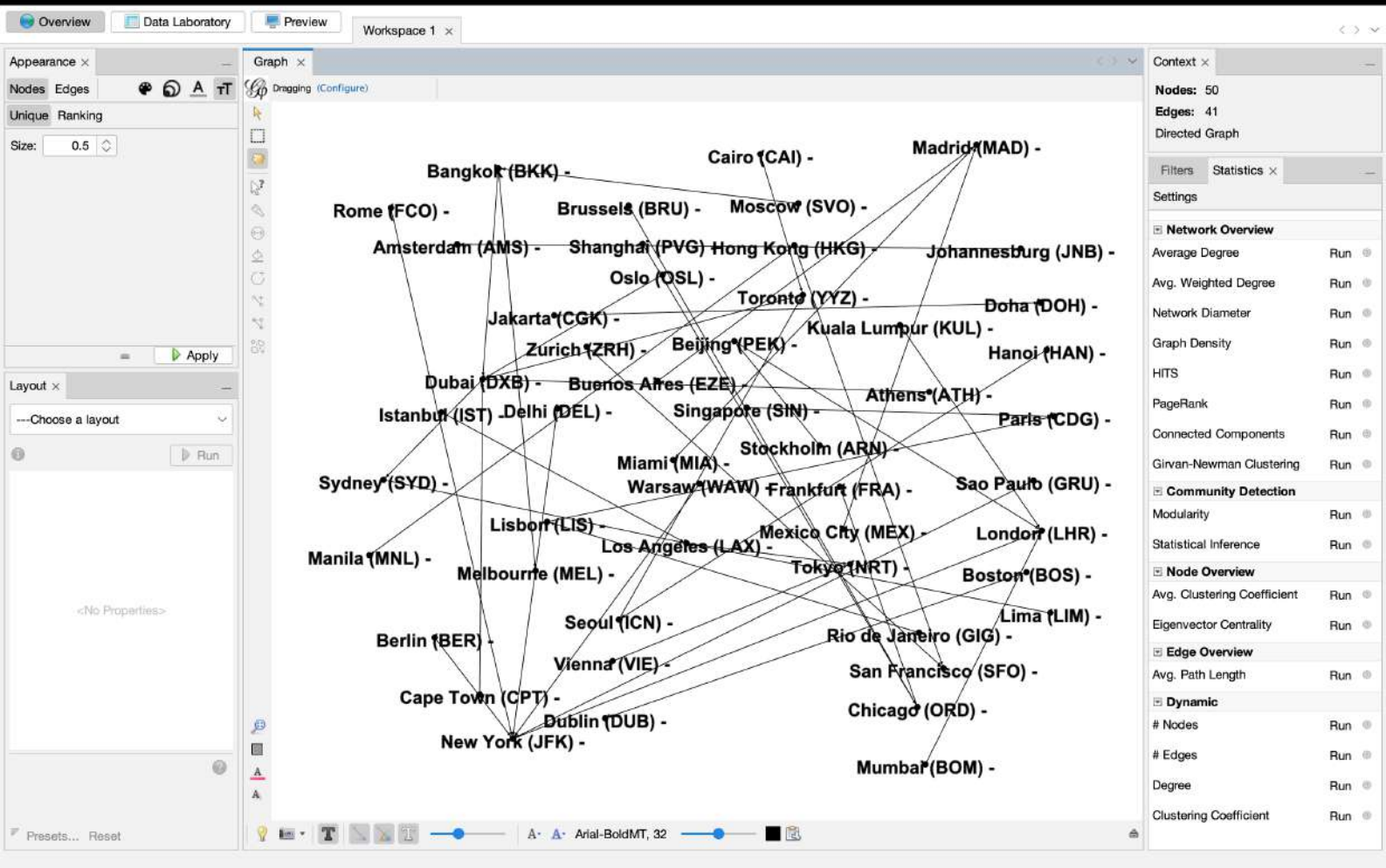
Data Table

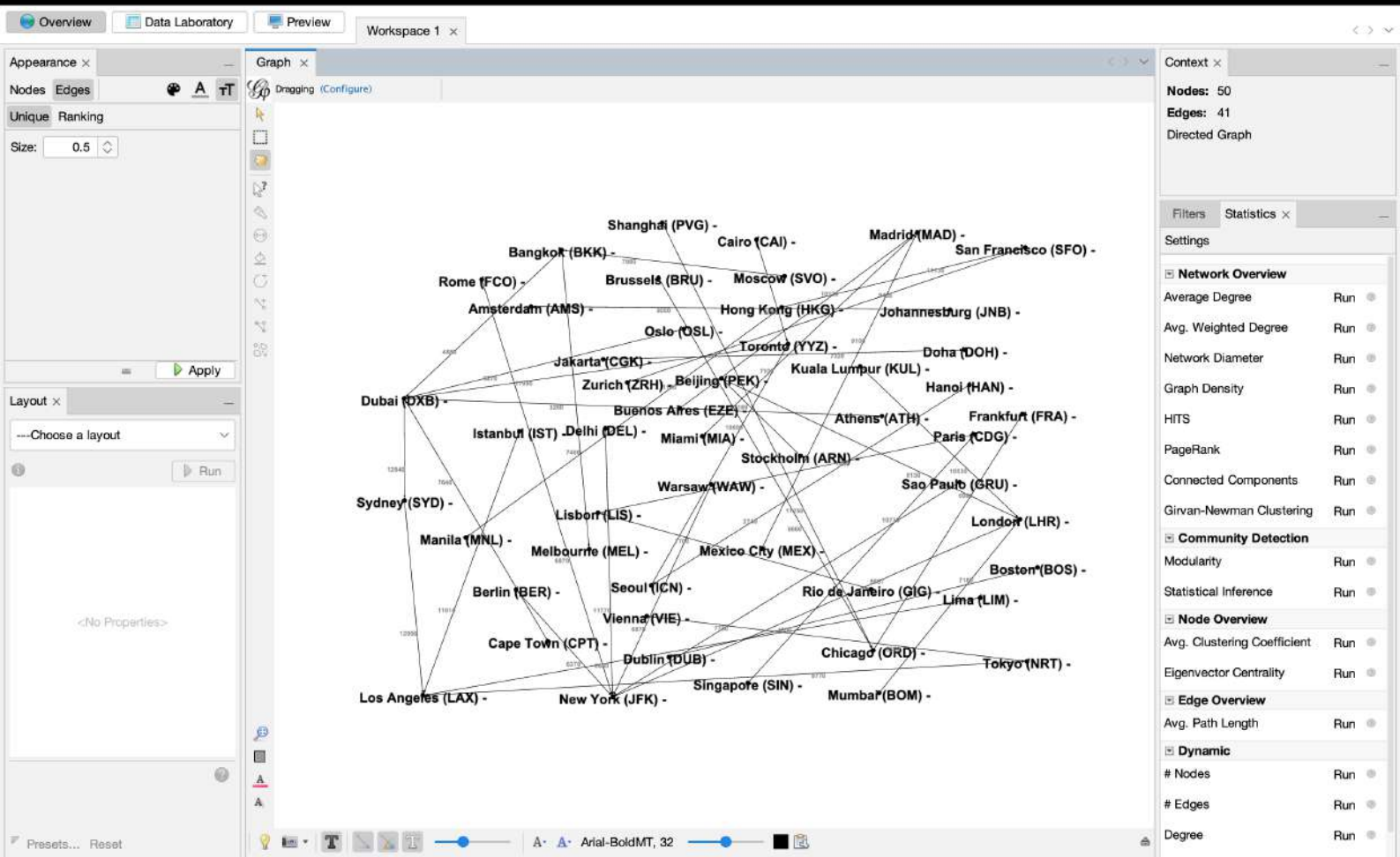
NodesEdgesConfigurationAdd nodeAdd edgeSearch/ReplaceImport SpreadsheetExport tableMore actions

Filter:Source

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Toronto (YYZ)	Dubai (DXB)	Directed	6			1.0	11090
Mumbai (BOM)	London (LHR)	Directed	7			1.0	7180
Delhi (DEL)	New York (JFK)	Directed	8			1.0	11770
Bangkok (BKK)	Melbourne (MEL)	Directed	9			1.0	7400
Istanbul (IST)	Los Angeles (LAX)	Directed	10			1.0	11010
Shanghai (PVG)	Chicago (ORD)	Directed	11			1.0	11250
Madrid (MAD)	Miami (MIA)	Directed	12			1.0	7100
Seoul (ICN)	Toronto (YYZ)	Directed	13			1.0	10600
Johannesburg (JNB)	Amsterdam (AMS)	Directed	14			1.0	9050
Rio de Janeiro (GIG)	Lisbon (LIS)	Directed	15			1.0	7700
Mexico City (MEX)	Madrid (MAD)	Directed	16			1.0	9100
Beijing (PEK)	London (LHR)	Directed	17			1.0	8130
Cape Town (CPT)	Dubai (DXB)	Directed	18			1.0	7640
Sydney (SYD)	Los Angeles (LAX)	Directed	19			1.0	12050
Jakarta (CGK)	Doha (DOH)	Directed	20			1.0	7320
Berlin (BER)	New York (JFK)	Directed	21			1.0	6370
Kuala Lumpur (KUL)	London (LHR)	Directed	22			1.0	10530
Zurich (ZRH)	San Francisco (SFO)	Directed	23			1.0	9400
Sao Paulo (GRU)	New York (JFK)	Directed	24			1.0	7730
Athens (ATH)	Dubai (DXB)	Directed	25			1.0	3260
Cairo (CAI)	Toronto (YYZ)	Directed	26			1.0	9150
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Buenos Aires (EZE)	Madrid (MAD)	Directed	31			1.0	10120
Warsaw (WAW)	New York (JFK)	Directed	32			1.0	6870
Oslo (OSL)	Dubai (DXB)	Directed	33			1.0	5270
Lima (LIM)	Los Angeles (LAX)	Directed	34			1.0	6680
Stockholm (ARN)	Beijing (PEK)	Directed	35			1.0	7180
Brussels (BRU)	Chicago (ORD)	Directed	36			1.0	6660
Rome (FCO)	New York (JFK)	Directed	37			1.0	6870
Boston (BOS)	Dublin (DUB)	Directed	38			1.0	4800
Vienna (VIE)	Tokyo (NRT)	Directed	39			1.0	9370
Bangkok (BKK)	Dubai (DXB)	Directed	40			1.0	4880

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Data Table

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Filter:Id

Id	Label	Interval	In-Degree	Out-Degree	Degree
Toronto (YYZ)		0	1	1	
Mumbai (BOM)		0	1	1	
Delhi (DEL)		0	1	1	
Bangkok (BKK)		1	2	3	
Melbourne (MEL)		1	0	1	
Istanbul (IST)		0	1	1	
Shanghai (PVG)		0	1	1	
Madrid (MAD)		2	1	3	
Miami (MIA)		1	0	1	
Seoul (ICN)		1	1	2	
Johannesburg (JNB)		0	1	1	
Amsterdam (AMS)		1	0	1	
Rio de Janeiro (GIG)		0	1	1	
Lisbon (LIS)		1	1	2	
Mexico City (MEX)		0	1	1	
Beijing (PEK)		1	1	2	
Cape Town (CPT)		0	1	1	
Jakarta (CGK)		0	1	1	
Doha (DOH)		1	0	1	
Berlin (BER)		0	1	1	
Kuala Lumpur (KUL)		0	1	1	
Zurich (ZRH)		0	1	1	
Sao Paulo (GRU)		0	1	1	
Athens (ATH)		0	1	1	
Cairo (CAI)		0	1	1	
Manila (MNL)		0	1	1	
Hanoi (HAN)		0	1	1	
Moscow (SVO)		0	1	1	
Buenos Aires (EZE)		0	1	1	
Warsaw (WAW)		0	1	1	
Oslo (OSL)		0	1	1	
Lima (LIM)		0	1	1	
Stockholm (ARN)		0	1	1	
Brussels (BRU)		0	1	1	
Rome (FCO)		0	1	1	
Boston (BOS)		0	1	1	

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Filter:Id

Id	Label	Interval	In-Degree	Out-Degree	Degree
Bangkok (BKK)		1	2	3	
Melbourne (MEL)		1	0	1	
Istanbul (IST)		0	1	1	
Shanghai (PVG)		0	1	1	
Madrid (MAD)		2	1	3	
Miami (MIA)		1	0	1	
Seoul (ICN)		1	1	2	
Johannesburg (JNB)		0	1	1	
Amsterdam (AMS)		1	0	1	
Rio de Janeiro (GIG)		0	1	1	
Lisbon (LIS)		1	1	2	
Mexico City (MEX)		0	1	1	
Beijing (PEK)		1	1	2	
Cape Town (CPT)		0	1	1	
Jakarta (CGK)		0	1	1	
Doha (DOH)		1	0	1	
Berlin (BER)		0	1	1	
Kuala Lumpur (KUL)		0	1	1	
Zurich (ZRH)		0	1	1	
Sao Paulo (GRU)		0	1	1	
Athens (ATH)		0	1	1	
Cairo (CAI)		0	1	1	
Manila (MNL)		0	1	1	
Hanoi (HAN)		0	1	1	
Moscow (SVO)		0	1	1	
Buenos Aires (EZE)		0	1	1	
Warsaw (WAW)		0	1	1	
Oslo (OSL)		0	1	1	
Lima (LIM)		0	1	1	
Stockholm (ARN)		0	1	1	
Brussels (BRU)		0	1	1	
Rome (FCO)		0	1	1	
Boston (BOS)		0	1	1	
Dublin (DUB)		1	0	1	
Vienna (VIE)		0	1	1	

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Girvan-Newman Report

Parameters:

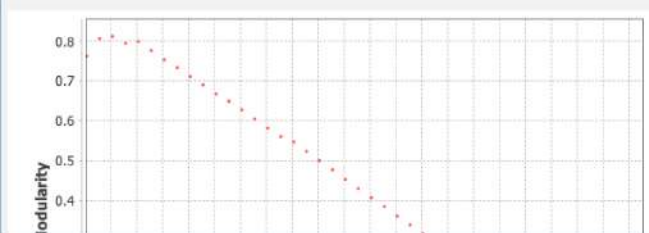
Respect edge type for shortest path betweenness: yes
Respect parallel edges for shortest path betweenness: no
Respect edge type for modularity computation: no
Respect parallel edges for modularity computation: no

Processed Graph Data

Nodes: 50
Edges: 41
Processing time: 0.018 sec.

Communities

Number of communities: 11
Maximum found modularity: 0.8143982



HTML Report

haspoot parameter edges for modularity computation: no

Processed Graph Data

Nodes: 50

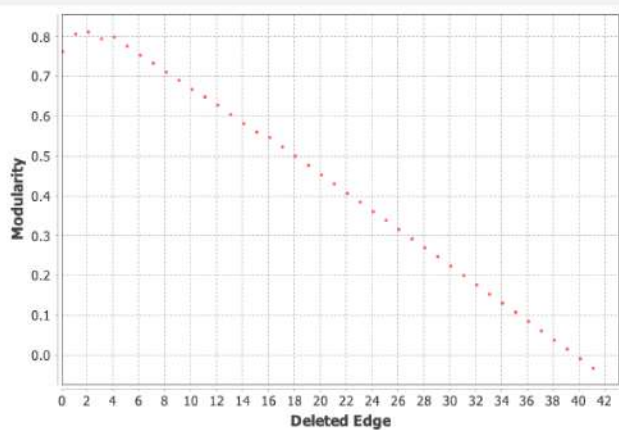
Edges: 41

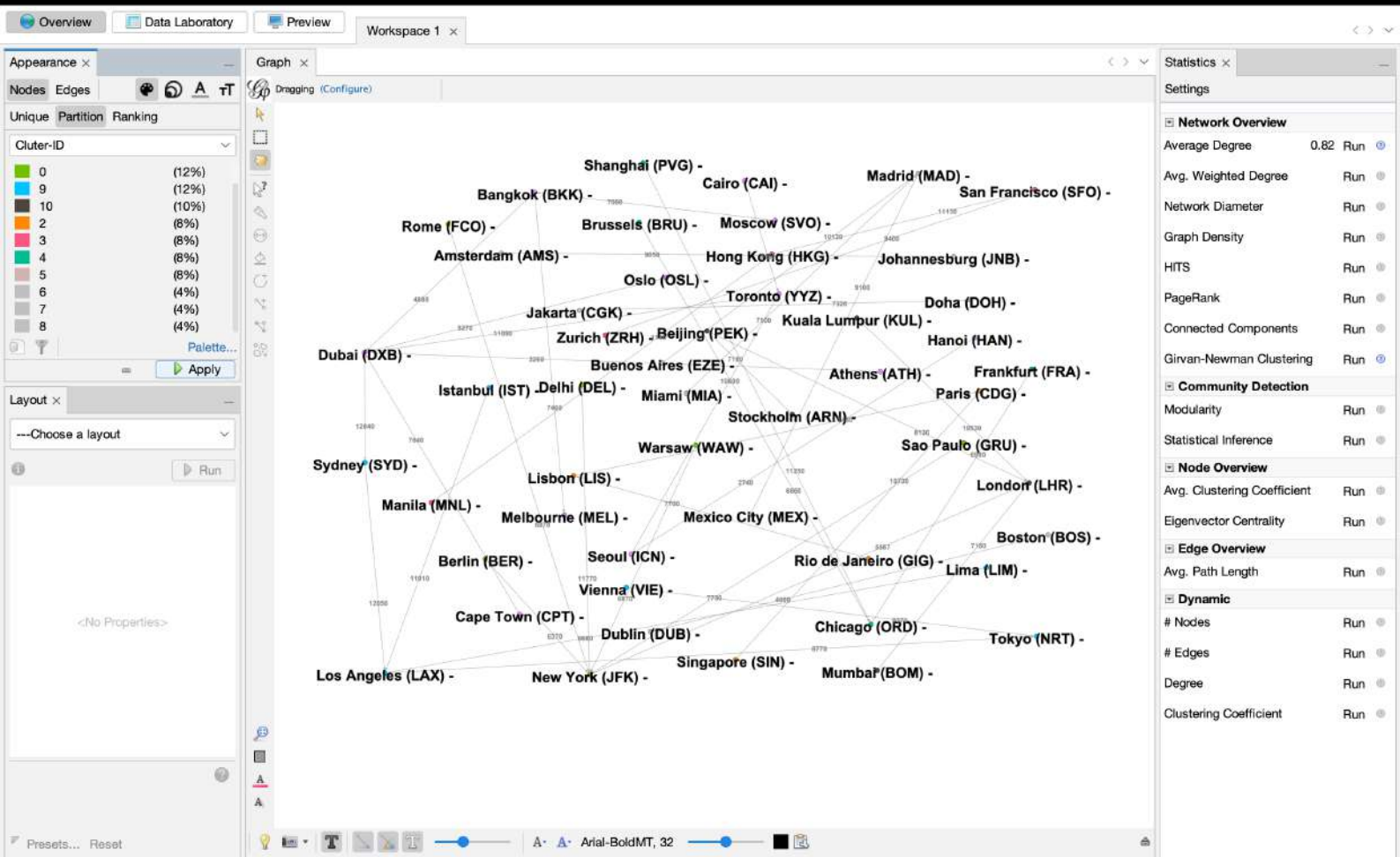
Processing time: 0.018 sec.

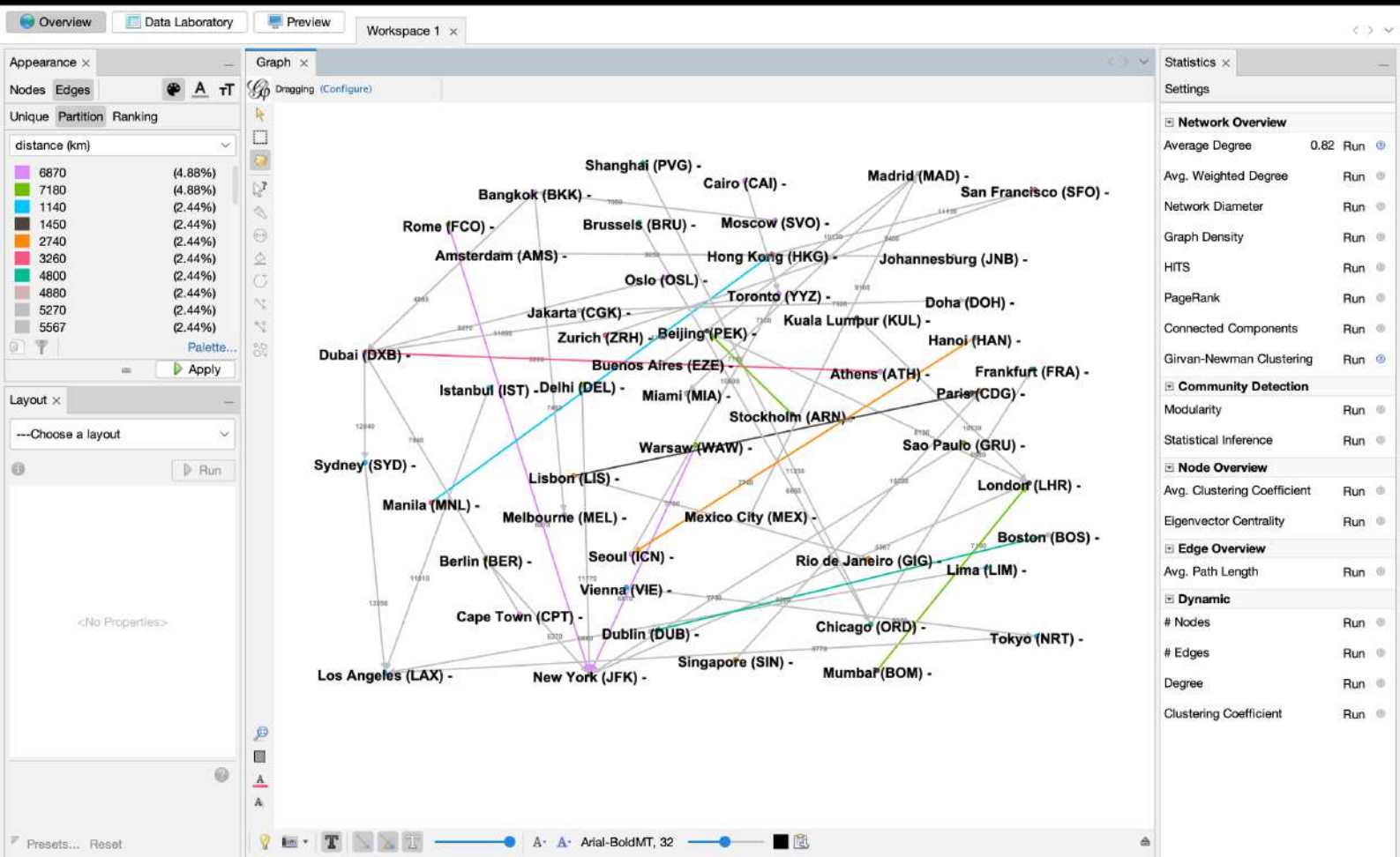
Communities

Number of communities: 11

Maximum found modularity: 0.8143962







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Data Table

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Filter:Id

Id	Label	Interval	In-Degree	Out-Degree	Degree	Cluter-ID
New York (JFK)		5	1	6	0	
London (LHR)		4	0	4	10	
Los Angeles (LAX)		3	1	4	9	
Tokyo (NRT)		2	0	2	9	
Dubai (DXB)		5	1	6	1	
Sydney (SYD)		1	1	2	9	
Singapore (SIN)		0	1	1	2	
Paris (CDG)		2	0	2	2	
Hong Kong (HKG)		1	1	2	3	
San Francisco (SFO)		2	0	2	3	
Chicago (ORD)		2	1	3	4	
Frankfurt (FRA)		1	0	1	4	
Toronto (YYZ)		2	1	3	1	
Mumbai (BOM)		0	1	1	10	
Delhi (DEL)		0	1	1	0	
Bangkok (BKK)		1	2	3	1	
Melbourne (MEL)		1	0	1	1	
Istanbul (IST)		0	1	1	9	
Shanghai (PVG)		0	1	1	4	
Madrid (MAD)		2	1	3	5	
Miami (MIA)		1	0	1	5	
Seoul (ICN)		1	1	2	1	
Johannesburg (JNB)		0	1	1	6	
Amsterdam (AMS)		1	0	1	6	
Rio de Janeiro (GIG)		0	1	1	2	
Lisbon (LIS)		1	1	2	2	
Mexico City (MEX)		0	1	1	5	
Beijing (PEK)		1	1	2	10	
Cape Town (CPT)		0	1	1	1	
Jakarta (CGK)		0	1	1	7	
Doha (DOH)		1	0	1	7	
Berlin (BER)		0	1	1	0	
Kuala Lumpur (KUL)		0	1	1	10	
Zurich (ZRH)		0	1	1	3	
Sao Paulo (GRU)		0	1	1	0	

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	Id	Label	Interval	In-Degree	Out-Degree	Degree	Cluter-ID
Bangkok (BKK)	1			2	3	1	
Melbourne (MEL)	1			0	1	1	
Istanbul (IST)	0			1	1	9	
Shanghai (PVG)	0			1	1	4	
Madrid (MAD)	2			1	3	5	
Miami (MIA)	1			0	1	5	
Seoul (ICN)	1			1	2	1	
Johannesburg (JNB)	0			1	1	6	
Amsterdam (AMS)	1			0	1	6	
Rio de Janeiro (GIG)	0			1	1	2	
Lisbon (LIS)	1			1	2	2	
Mexico City (MEX)	0			1	1	5	
Beijing (PEK)	1			1	2	10	
Cape Town (CPT)	0			1	1	1	
Jakarta (CGK)	0			1	1	7	
Doha (DOH)	1			0	1	7	
Berlin (BER)	0			1	1	0	
Kuala Lumpur (KUL)	0			1	1	10	
Zurich (ZRH)	0			1	1	3	
Sao Paulo (GRU)	0			1	1	0	
Athens (ATH)	0			1	1	1	
Cairo (CAI)	0			1	1	1	
Manila (MNL)	0			1	1	3	
Hanoi (HAN)	0			1	1	1	
Moscow (SVO)	0			1	1	1	
Buenos Aires (EZE)	0			1	1	5	
Warsaw (WAW)	0			1	1	0	
Oslo (OSL)	0			1	1	1	
Lima (LIM)	0			1	1	9	
Stockholm (ARN)	0			1	1	10	
Brussels (BRU)	0			1	1	4	
Rome (FCO)	0			1	1	0	
Boston (BOS)	0			1	1	8	
Dublin (DUB)	1			0	1	8	
Vienna (VIE)	0			1	1	9	

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