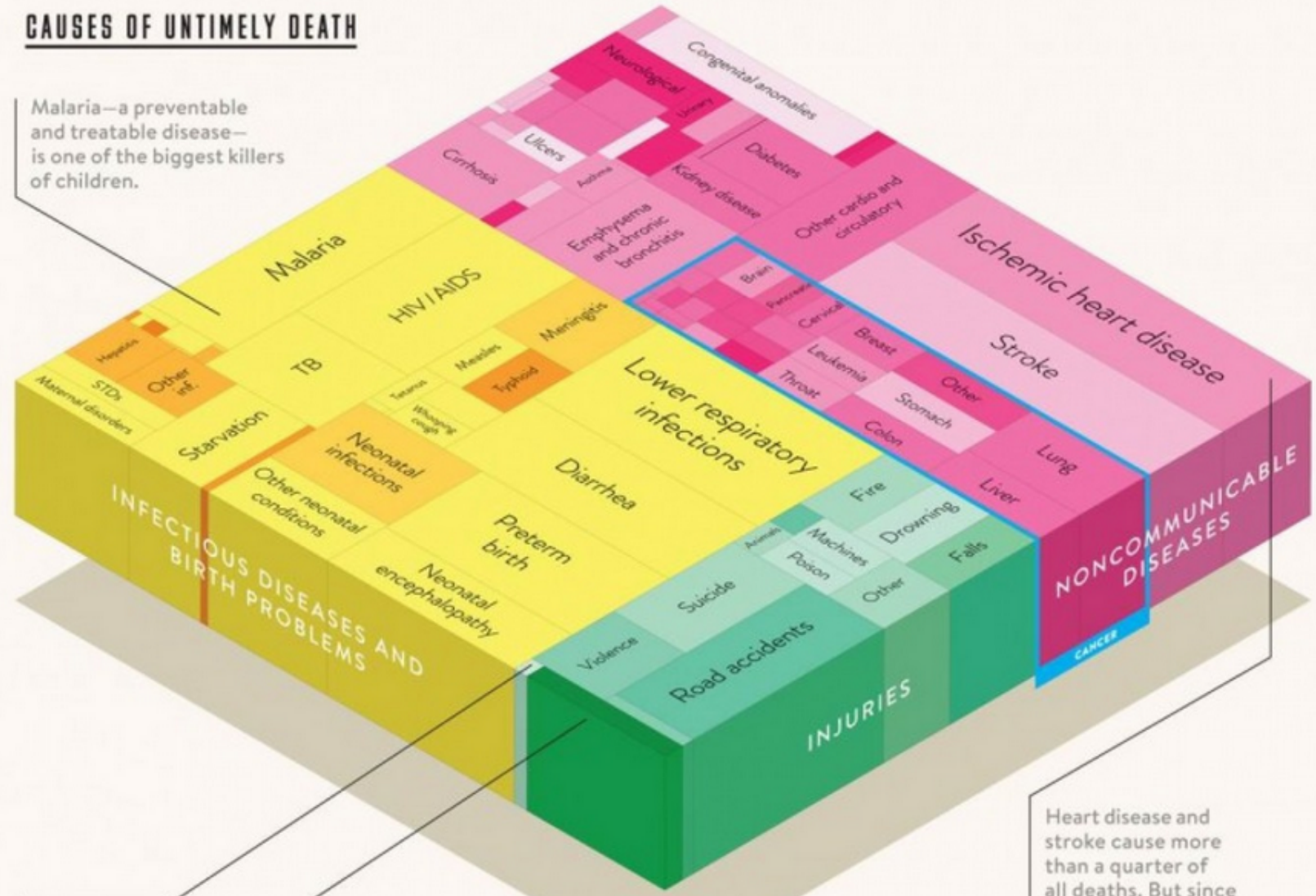


Οπτικοποίηση  
Δεδομένων (data  
visualisation) είναι η  
οπτική αναπαράσταση  
των δεδομένων

# CAUSES OF UNTIMELY DEATH

Malaria—a preventable and treatable disease—is one of the biggest killers of children.



War casualties account for just 0.05 percent of total life-years lost annually.

Natural disasters are by far the fastest-growing contributor to the death toll.

Heart disease and stroke cause more than a quarter of all deaths. But since they hit mainly older people, the cost in years of life lost is relatively small.

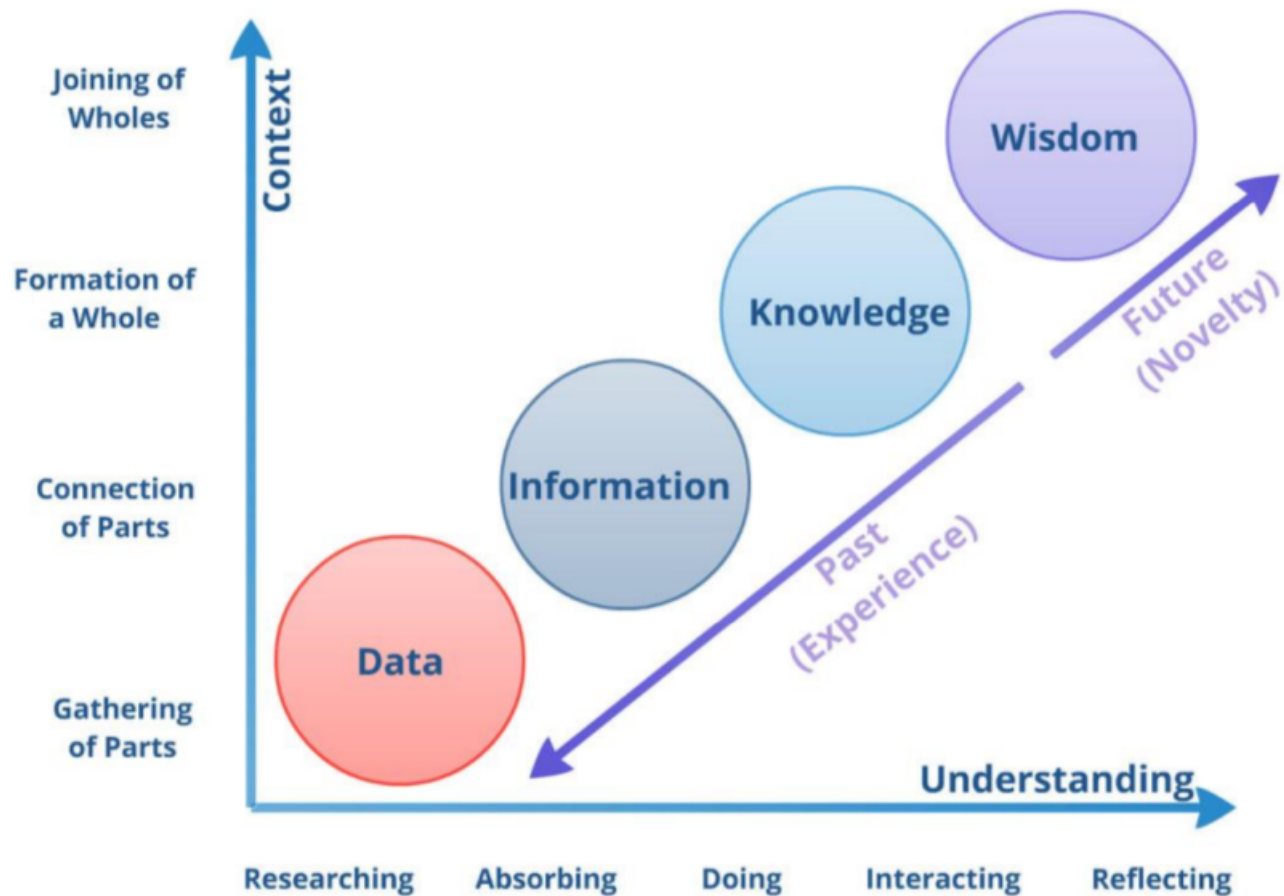


# Bill Gates's graph of the year

"I love this graph because it shows that while the number of people dying from communicable diseases is still far too high, those numbers continue to come down. In fact, fewer kids are dying, more kids are going to school and more diseases are on their way to being eliminated..."

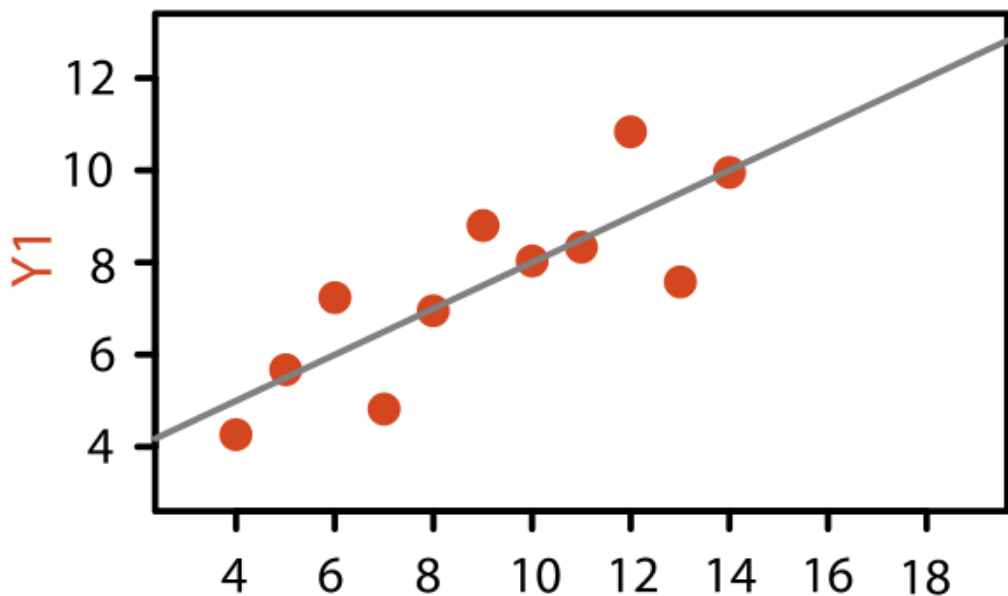
<https://www.washingtonpost.com/news/wonkblog/wp/2013/12/27/bill-gatess-graph-of-the-year/>

# Τα δεδομένα οδηγούν στην “σοφία”

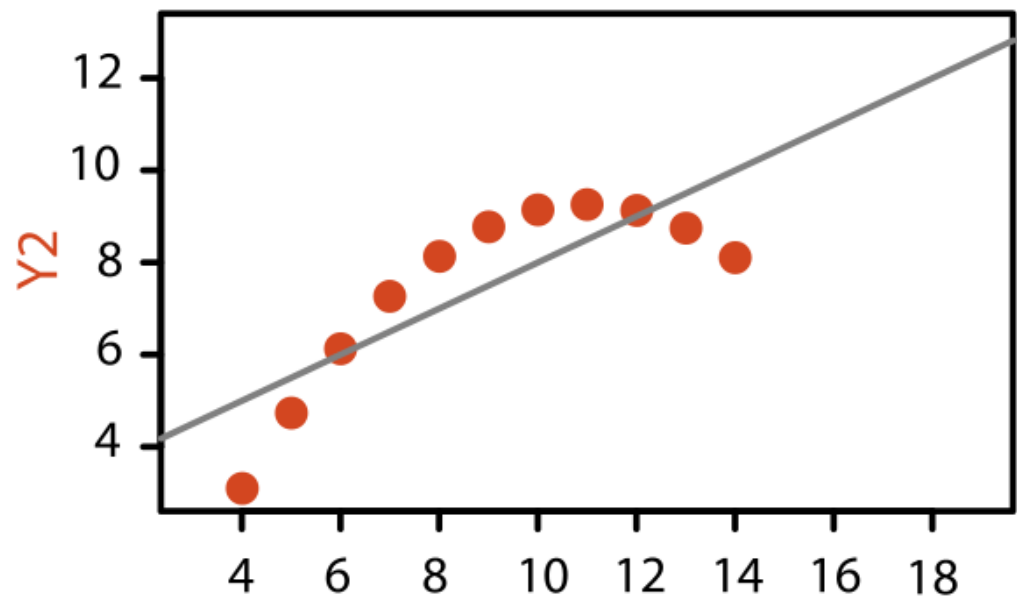


### Anscombe's Quartet: Raw Data

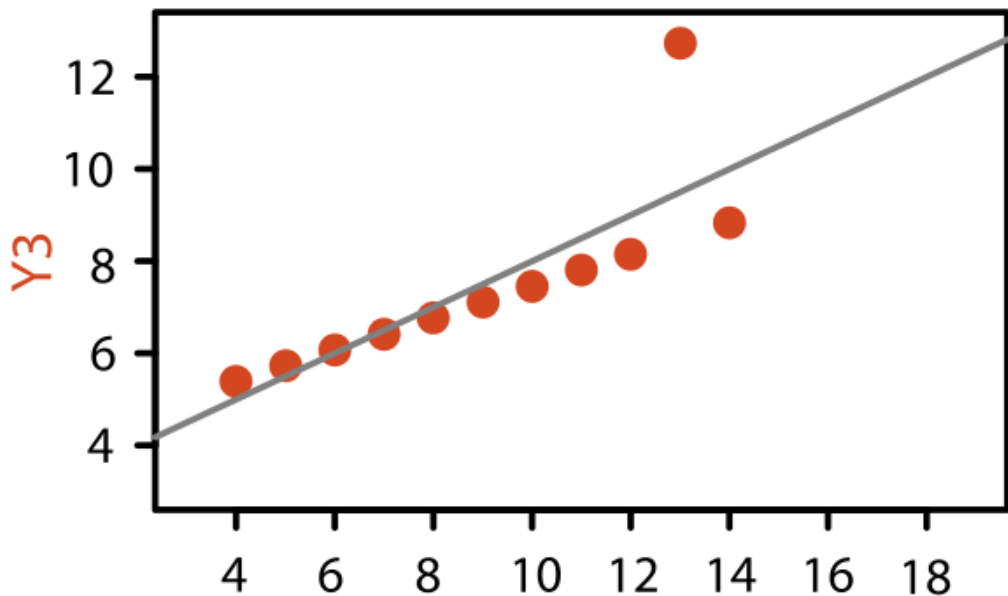
	1		2		3		4	
	X	Y	X	Y	X	Y	X	Y
	10.0	8.04	10.0	9.14	10.0	7.46	8.0	6.58
	8.0	6.95	8.0	8.14	8.0	6.77	8.0	5.76
	13.0	7.58	13.0	8.74	13.0	12.74	8.0	7.71
	9.0	8.81	9.0	8.77	9.0	7.11	8.0	8.84
	11.0	8.33	11.0	9.26	11.0	7.81	8.0	8.47
	14.0	9.96	14.0	8.10	14.0	8.84	8.0	7.04
	6.0	7.24	6.0	6.13	6.0	6.08	8.0	5.25
	4.0	4.26	4.0	3.10	4.0	5.39	19.0	12.50
	12.0	10.84	12.0	9.13	12.0	8.15	8.0	5.56
	7.0	4.82	7.0	7.26	7.0	6.42	8.0	7.91
	5.0	5.68	5.0	4.74	5.0	5.73	8.0	6.89
Mean	9.0	7.5	9.0	7.5	9.0	7.5	9.0	7.5
Variance	10.0	3.75	10.0	3.75	10.0	3.75	10.0	3.75
Correlation	0.816		0.816		0.816		0.816	



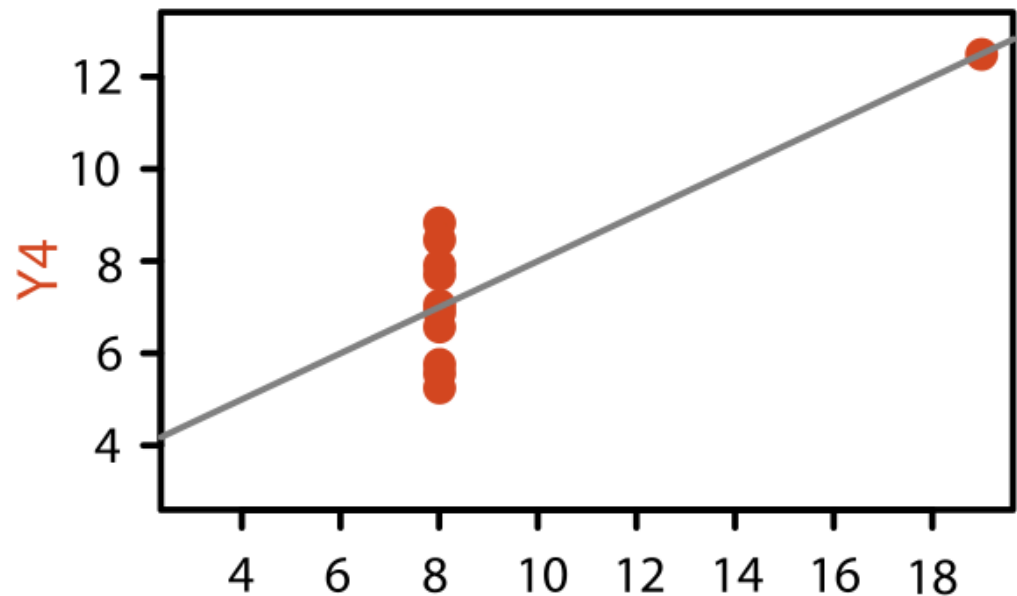
X1



X2



X3



X4

# Gephi

Λογισμικό ανοικτού κώδικα για ανάλυση και οπτικοποίηση δικτύων και γράφων.

Αποτελεί μία διαδραστική πλατφόρμα εξερεύνησης, οπτικοποίησης, ανάλυσης , χωροθέτησης,

φιλτραρίσματος και διαχείρισης για όλα τα είδη των δικτύων, ιεραρχικών και δυναμικών γράφων.

## The Open Graph Viz Platform

Gephi is an interactive visualization and exploration **platform** for all kinds of networks and complex systems, dynamic and hierarchical graphs.

Runs on Windows, Linux and Mac OS X. Gephi is open-source and free.

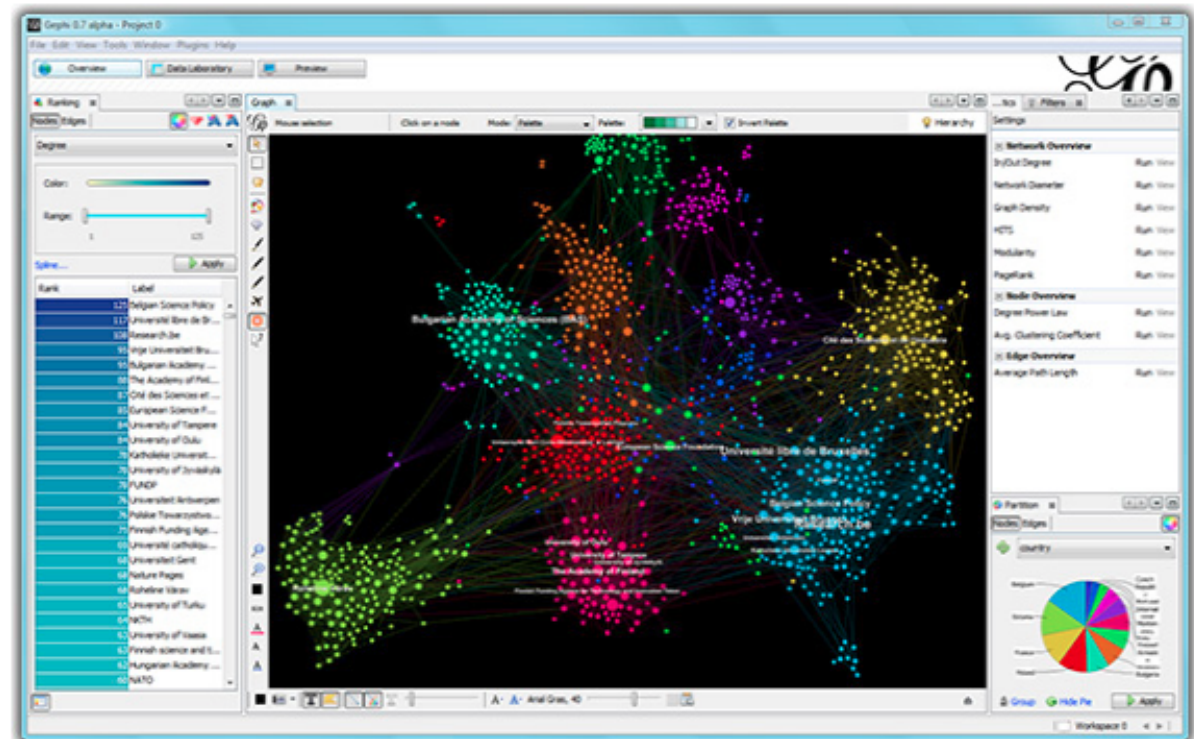
[Learn More on Gephi Platform »](#)

 **Download FREE**  
Gephi 0.8.2-beta

[Release Notes](#) | [System Requirements](#)

► [Features](#)  
► [Quick start](#)

► [Screenshots](#)  
► [Videos](#)



# Netvizz

## Netvizz v1.25

This app install does currently not have the user\_groups permission and therefore can only retrieve data from open groups.

Group owner: Dimitris Grigor (id:10153316527493076)

Trying to get 999 posts.

id: 1406275492923244 / until: 2015-09-30T09:55:20+0000 - 100 of 999 (100)  
id: 1406275492923244 / until: 2015-07-30T08:17:40+0000 - 200 of 999 (100)  
id: 1406275492923244 / until: 2015-05-27T16:31:12+0000 - 299 of 999 (99)  
id: 1406275492923244 / until: 2015-04-03T08:27:17+0000 - 398 of 999 (99)  
id: 1406275492923244 / until: 2015-03-04T12:24:15+0000 - 498 of 999 (100)  
id: 1406275492923244 / until: 2015-02-20T15:52:43+0000 - 597 of 999 (99)  
id: 1406275492923244 / until: 2015-01-25T18:02:15+0000 - 696 of 999 (99)  
id: 1406275492923244 / until: 2014-12-05T14:05:53+0000 - 796 of 999 (100)  
id: 1406275492923244 / until: 2014-10-15T19:57:12+0000 - 896 of 999 (100)  
id: 1406275492923244 / until: 2014-09-22T20:09:12+0000 - 996 of 999 (100)  
id: 1406275492923244 / until: 2014-09-01T16:46:34+0000 - 1095 of 999 (99)

Retrieved 999 posts. Now digging for likes and comments: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280

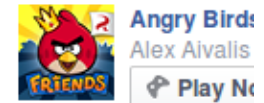
### TRENDING AMONG FR



### RECOMMENDED GAME



### GAMES YOU MAY LIKE



**Angry Birds**  
Alex Aivalis  
[Play Now](#)



**Lost Bubble**  
500,000 pla  
[Play Now](#)

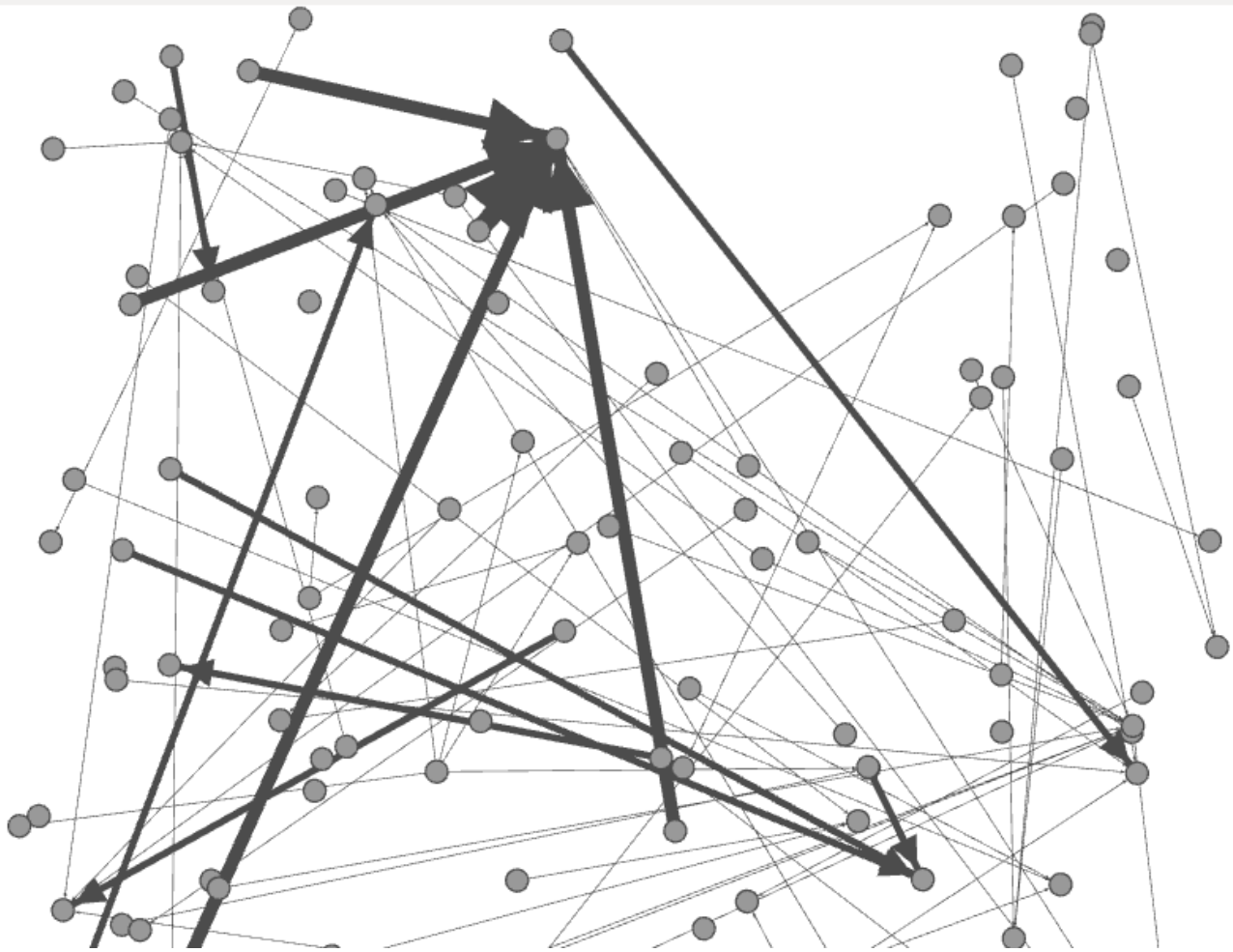
Graph x

◀ ▶ ▾

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Dragging

Hierarchy



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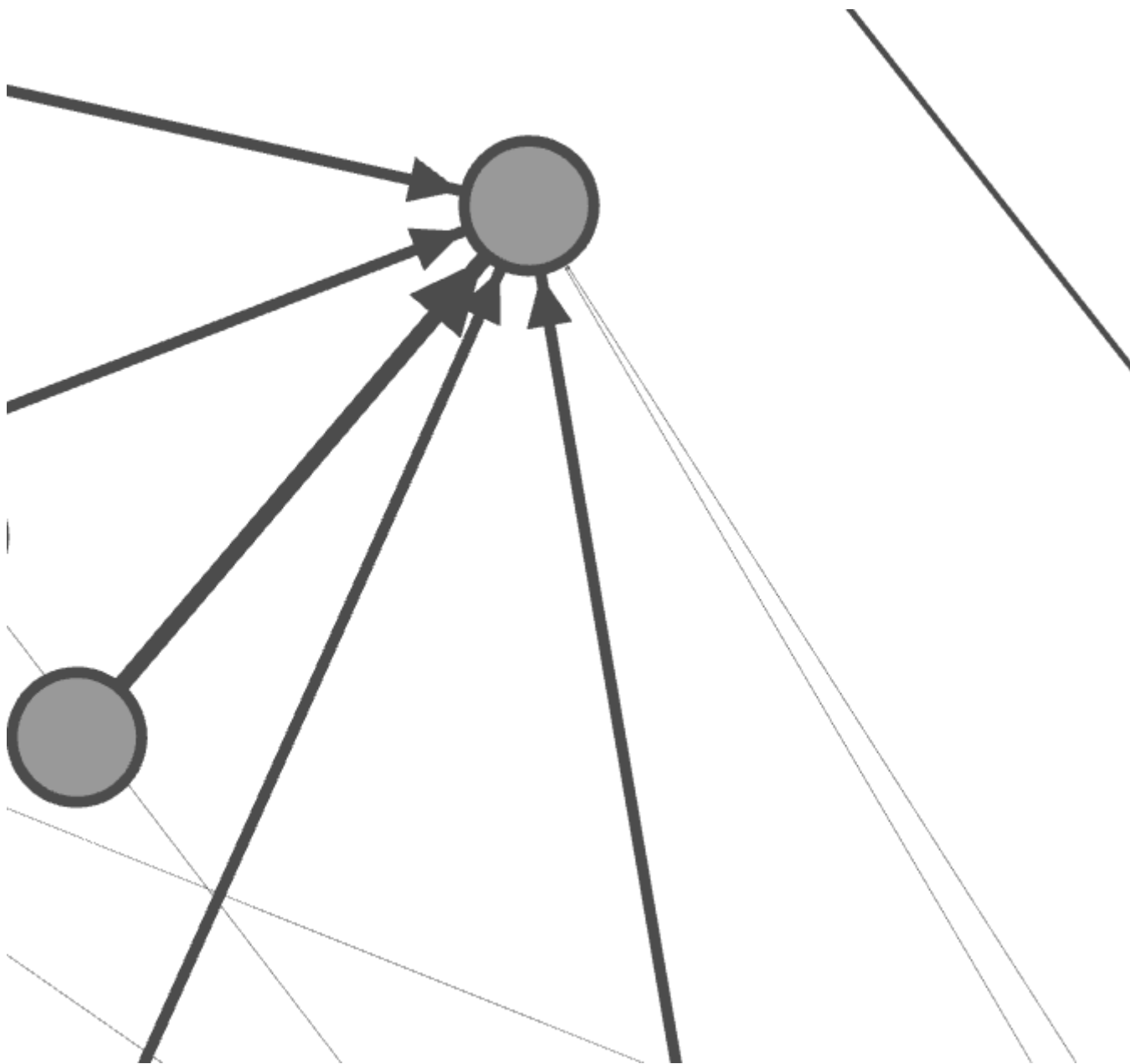
Pa

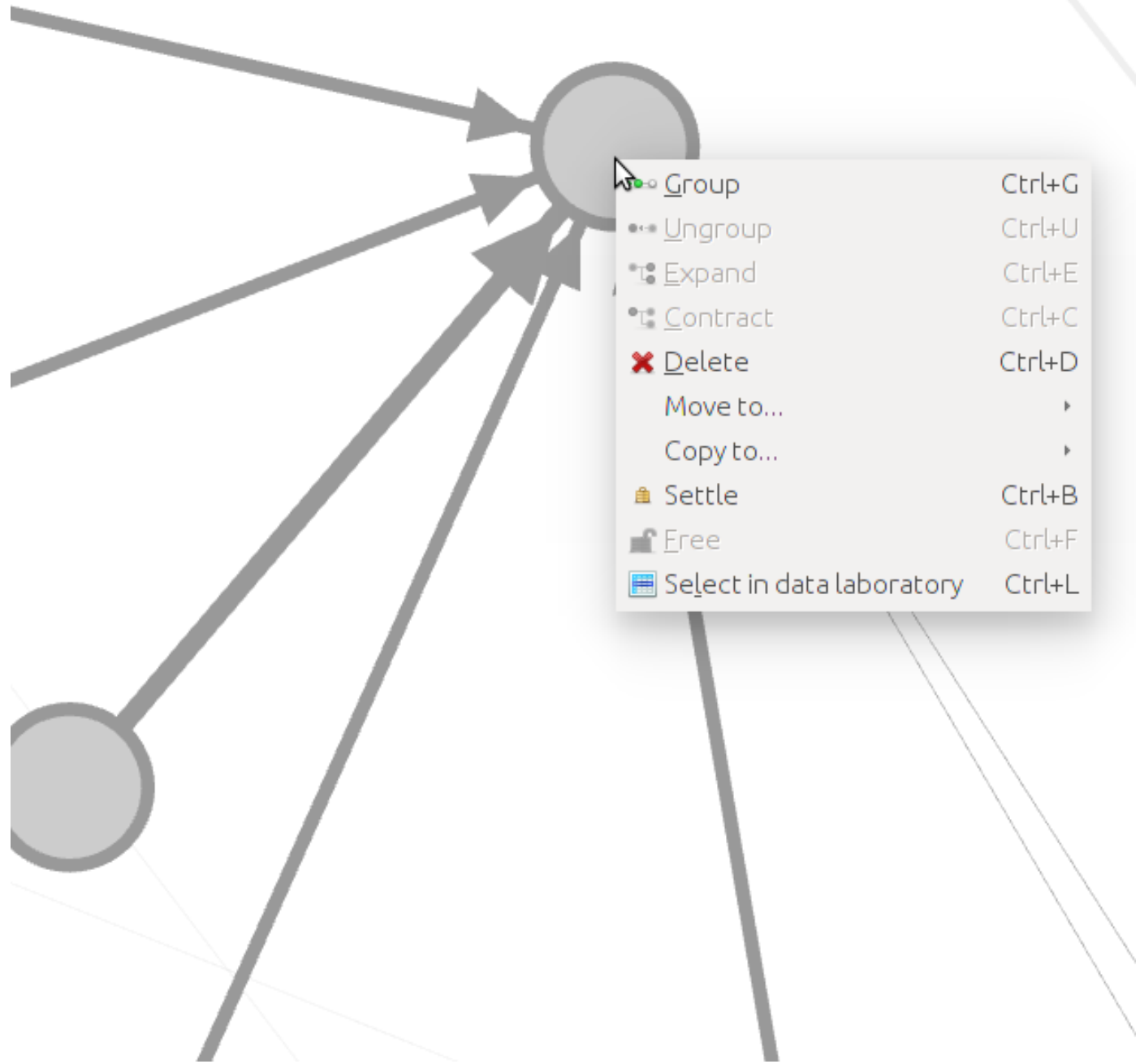
Co

N

Avg

Eig





Ενημέρωση φοιτητών για το πρόγραμμα erasmus+. Τρίτη 27/10/2015 και ώρα 13:00 στο αμφιθέατρο

fd59cb4132011053e1fecbbe1ced0a56b9088ca2

36a1c432624f69b4804154e5e28d62eeffa64be40

b001ffff90a854dd98db9e81bf37537d8f1f53a7

1ecbc963b85fe49e90b629c2af738fcda55dd3e4

Για πείτε\_ κανένας σοβαρός παίκτης να ενδιαφέρεται για team?

1c6e5513c0c22535041298e9b3e7e16b97c07400

ΝΕΕΣ ΕΡΓΑΣΤΗΡΙΑΚΕΣ ΟΜΑΔΕΣ 16-10-2015 1-ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΣ\_ ΤΗΛ\_ ΑΤΣΑΛΑΚΗ\_ ΠΑΡΑΣΚΕΥΗ



Χρόνης Παπαδάκης shared InSpot Heraklion's photo.

October 20 at 3:55am

Για πείτε, κανένας σοβαρός παίχτης να ενδιαφέρεται για team?



**InSpot Heraklion**

October 19 at 3:09pm

Like Page

Η καλύτερη ομάδα e-sports στην Ελλάδα έρχεται στο InSpot Ηρακλείου για να σε αντιμετωπίσει...

Δέξου την πρόκληση...

Μπες στο παιχνίδι...

#lol #tournament #Different #Dimension #esports

Like

Comment

Share

2 Likes

View 11 more comments



**Maria Moonshine** ο dominant είναι ακόμα??

Like · Reply · October 21 at 4:13am



**Nikos Kritsotakis** Δε ξέρω αν είναι αλλά μόνο ο Dom1 άξιζε. Τώρα για το WarriorLady μη ξεράσω απλά! Πιο βλαμένο top πεθαίνεις! Σοβαρά τώρα!

Like · Reply · 1 · October 21 at 4:14am



Nikos Kritsotakis replied · 2 Replies



**Giorgos Tsaxrelias** Oxi ο dominant exei fygei..to neo team είναι οτι χειροτερο..kai egw dd mono για dominant evlepa

Like · Reply · October 21 at 4:23am



Write a comment...



Shared with Dropbox

RECENT GROUP PHOTOS

Like Comment

Write a comment...

**Γιώργος Κουβ**  
October 21 at 11:00am

OpenCV open seminars by



Like Comment

6 Likes

Write a comment...

**Stelios Drakoulakis**

### People Who Like This



**Paschalis Dedousis**

13 mutual friends

Friends



**Giannis Vakintis**

17 mutual friends

Add Friend



**Drunkk Inphormaticks Engineerr**

10 mutual friends

Add Friend



**Giorgos Dagalakis**

16 mutual friends

Add Friend



**Katerina Patt**

13 mutual friends

Add Friend



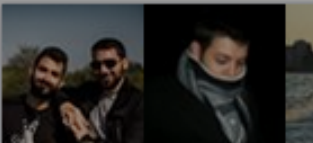
**Konstantina Fifli**

7 mutual friends

Add Friend



10 friends · 2,144 memb



H DoubleClick Services\_ εταιρεία συστημάτων πληροφορικής\_ επιθυμει να απασχολήσει ένα (1) τελειόφοιτο I ΕΙ του I μήματος Μηχανικών I ληροφορικής για την εξό

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email κ. Μιαουδακη?

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db5b35c44345e461593fe794c7fbbz

a052157792cc75ad67c7f3285a20287

f90c69b42dbc2ac60c93445d477684c

Ξέρει κανείς που γίνεται η νέα ομάδα

Δείτε αναλυτικά τον αριθμό θέσεων

1dceb7abcc4cbfabd3ee90fd024e3

Email Πιτσιλάδη;

Kseroume kapoio service gia spasme

7828666d5ec22bf2992f221489218be

Email Βιδάκη;

ΕΦΑΡΜΟΣΜΕΝΑ

OpenCV open seminars by Tsampiko

1b20bc640bf1cd4aaed387e98c7645

b001ffff90a854dd98db9e81bf37537

1ecbc963b85fe49e90b629c2af738f

e9cde1212316c993685fbcc3ea9abf6

ΑΠΟΦΑΣΗ ΓΙΑ ΑΛΥΣΙΔΑ ΑΠΕΙΡΟΣΤΙΚΟ

Για πείτε\_ κανένας σοβαρός παίχτης

- Edit node
- Select on Overview
- Select neighbour nodes on table
- Select related edges
- Delete
- Move to...
- Copy to...
- Clear...
- Overwrite data to the other selected nodes...
- Group
- Ungroup
- Ungroup recursively
- Move to group...
- Remove from its group
- Settle
- Free
- Set node size...
- Merge nodes...
- Link to nodes...

g to spiti. Gnwrizeis kapoios poies einai?

ΕΑΠ για το 2016-2017

ερώνουμε τους φοιτητές μας ότι στη Γ.Σ. του Τμήματος αρ. πρ. 137/20-10-



## Java visualization

3



Gephi does [provide a toolkit](#) for Java and Python which doesn't contains the UI modules, so unless you want to use Gephi itself to visualise your network you cannot embed its UI in your Java/Swing application as long as I know. The toolkit contains all the algorithms and plugin infrastructure so if you want to use some of their analysis tool embedded in your app you can use that, otherwise I don't think it's your case.

There are other Java options if you want for graph visualisation here: [Java graph library for dynamic visualisation](#)

### About Gephi and sigmaJS

- IMHO Gephi is far more powerful than sigma.js: it has full SNA tools, multiple layouts, a data editor, exporters, plugin-systems...
- One important factor is also the size of the dataset you want to visualise: while sigmaJS can handle up to 500 nodes in the view, Gephi can layout easily 50000 nodes with GPU support as well.
- Gephi is a scientific tool made for people that don't want to code to visualise a network and it does it's job. SigmaJS is one of many JS solutions to visualise graphs on a web page.
- You can always [export to sigmaJS from Gephi with a plugin](#).

### What's better?

At the end of the story I guess the tool you are going to use will depends on:

- do you have to visualise a big dataset? -> Java solutions will win for big ones
- do you need to distribute it easily? -> Web app / SigmaJS wins for distributed
- do you want to have a full integration with your app? -> Java wins

[share](#) [edit](#) [flag](#)

answered Feb 23 '14 at 9:32



[MarcoCI](#)

4,045 ● 3 ● 6 ● 26

[add a comment](#)

# Netvizz

530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559  
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980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998

## Download

Extracted data from 999 posts, with 626 users liking or commenting 3008 times.

Compressing files...

group\_1406275492923244\_2015\_11\_02\_02\_15\_37.gdf  
group\_1406275492923244\_2015\_11\_02\_02\_15\_37\_interactions.gdf  
group\_1406275492923244\_2015\_11\_02\_02\_15\_37.tab  
group\_1406275492923244\_2015\_11\_02\_02\_15\_37\_comments.tab  
group\_1406275492923244\_2015\_11\_02\_02\_15\_37\_statsperday.tab

Your files have been generated. 5 files were zipped. Download the [zip archive](#).

For file descriptions, refer to the main module page.