

**CAD**  
CODIFICARE / ANALIZZARE / DIFFONDERE



## 07 \_ DATA \_ AND \_ NETWORK

GITHUB: DIGITALKOINE

Link: <https://github.com/digitalkoine>

**Giovanni Pietro Vitali**



Marie Skłodowska Curie Action European Fellow

University College Cork

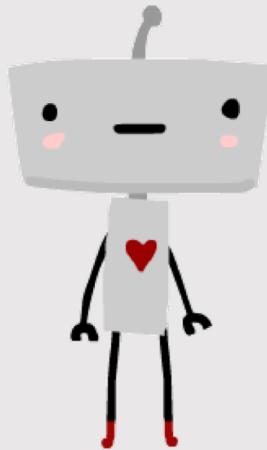
[giovannipetrovitali@gmail.com](mailto:giovannipetrovitali@gmail.com)



<http://www.ultimelettere.it/LastLetters/>



WAITING..



Gephi



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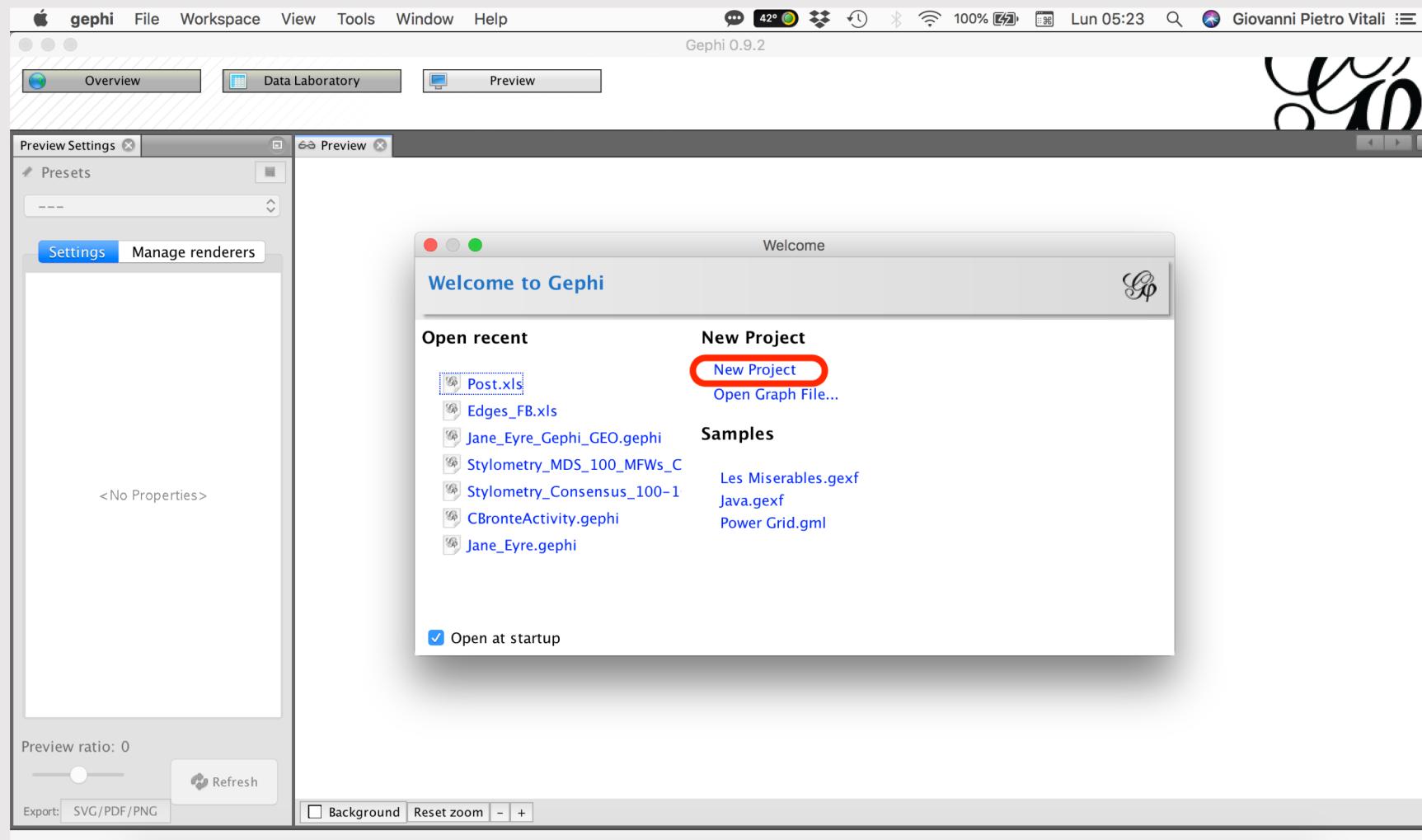


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# Open a project



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# Import a table

The screenshot shows the Gephi 0.9.2 Data Laboratory interface. At the top, there is a toolbar with various icons and a menu bar with options like File, Workspace, View, Tools, Window, and Help. Below the toolbar, there are tabs for Overview, Data Laboratory, and Preview. A sub-menu bar shows Workspace 1 and Data Table. The main area is titled "Data Table" and contains columns for Id, Label, and Interval. At the top of this area, there is a toolbar with buttons for Nodes, Edges, Configuration, Add node, Add edge, Search/Replace, Import Spreadsheet (which is highlighted with a red box), Export table, More actions, Filter, and Id. Below this toolbar, there is a row of buttons for column operations: 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, and Create column with list of regex matching groups.



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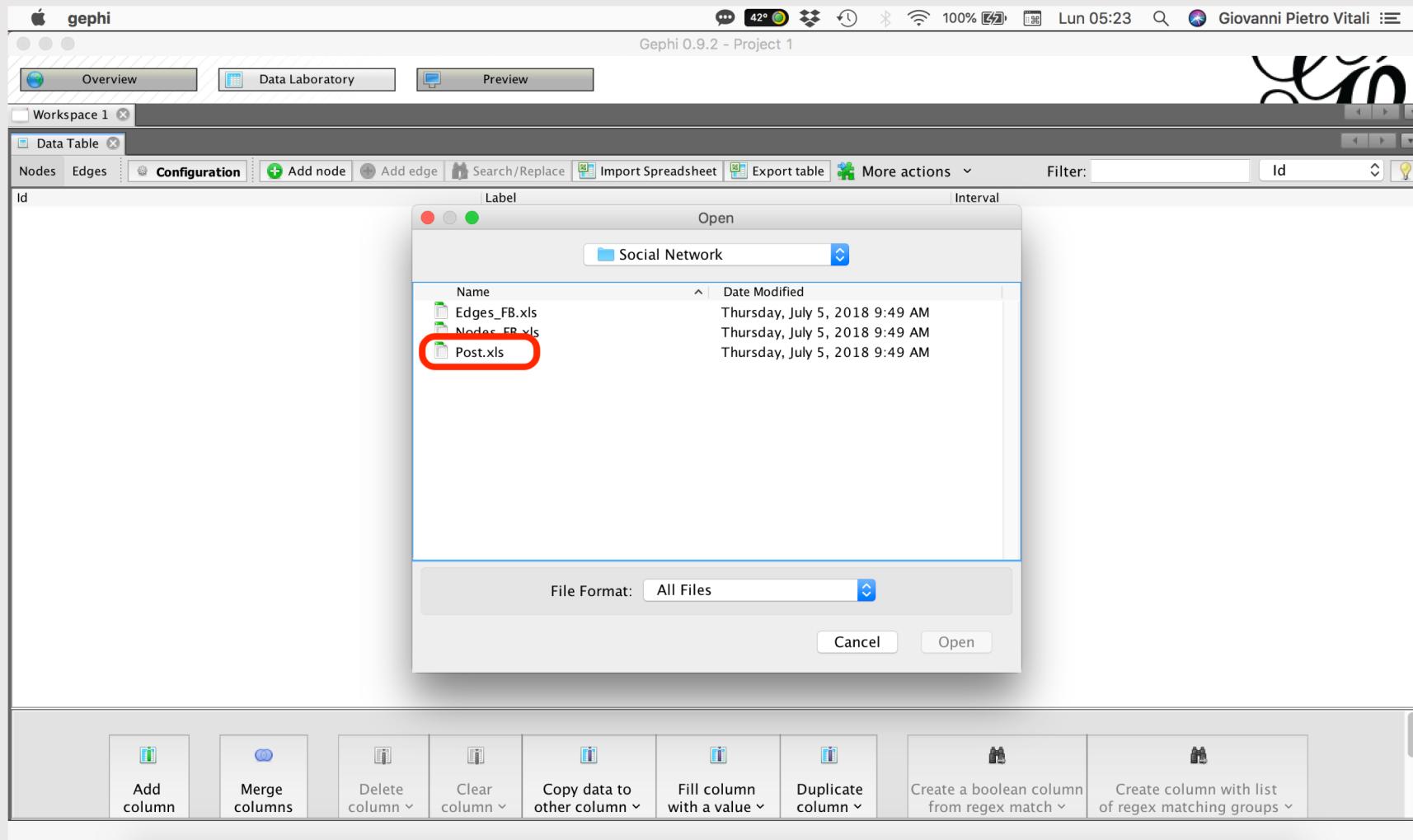


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# Select the file



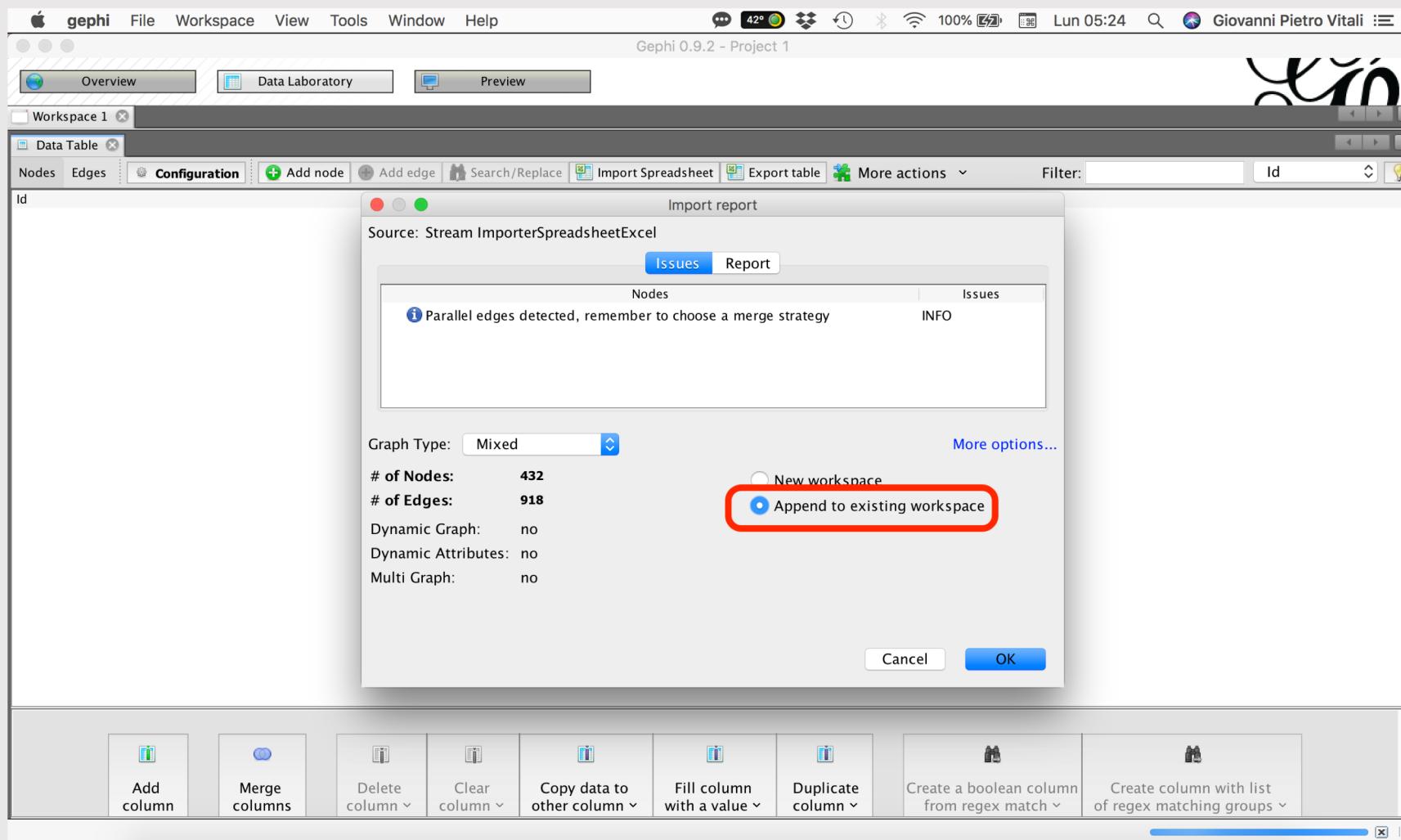
# Control the preview

The screenshot shows the Gephi Data Laboratory interface. A modal window titled "General Excel Options (1 of 2)" is open. The "Steps" section lists "1. General Excel Options" and "2. Import settings". The "Preview:" section displays a table of data from an Excel file. The "Next >" button at the bottom of the modal is highlighted with a red circle.

type	link_domain	post_publi...	post_publi...	likes_coun...	comments...	reactions_...	shares_co...	engageme...	comment...	comm
photo	facebook....	2018-06...	2018-06...	168	61	222	33	316	54	31
link	playbill.com	2018-06...	2018-06...	356	129	440	47	616	109	40
link	bbc.com	2018-06...	2018-06...	1111	32	1277	125	1434	27	17
photo	facebook....	2018-05...	2018-05...	223	24	271	25	320	13	9
photo	facebook....	2018-04...	2018-04...	218	11	244	22	277	8	6
photo	facebook....	2018-04...	2018-04...	930	60	1175	148	1383	39	26
photo	facebook....	2018-04...	2018-04...	676	63	817	105	985	51	31



# Append the table to the workspace



# Check the table and the go to the Overview

The screenshot shows the Gephi 0.9.2 interface with the 'Data Laboratory' tab selected (indicated by a red box). The main window displays a data table with various columns and rows of data. The table includes columns for 'Id', 'Label', and 'Type'. The data rows represent different entities or nodes, such as 'link\_domain', 'post\_published', 'post\_published\_sql', etc. At the bottom of the table, there is a toolbar with various data manipulation tools.

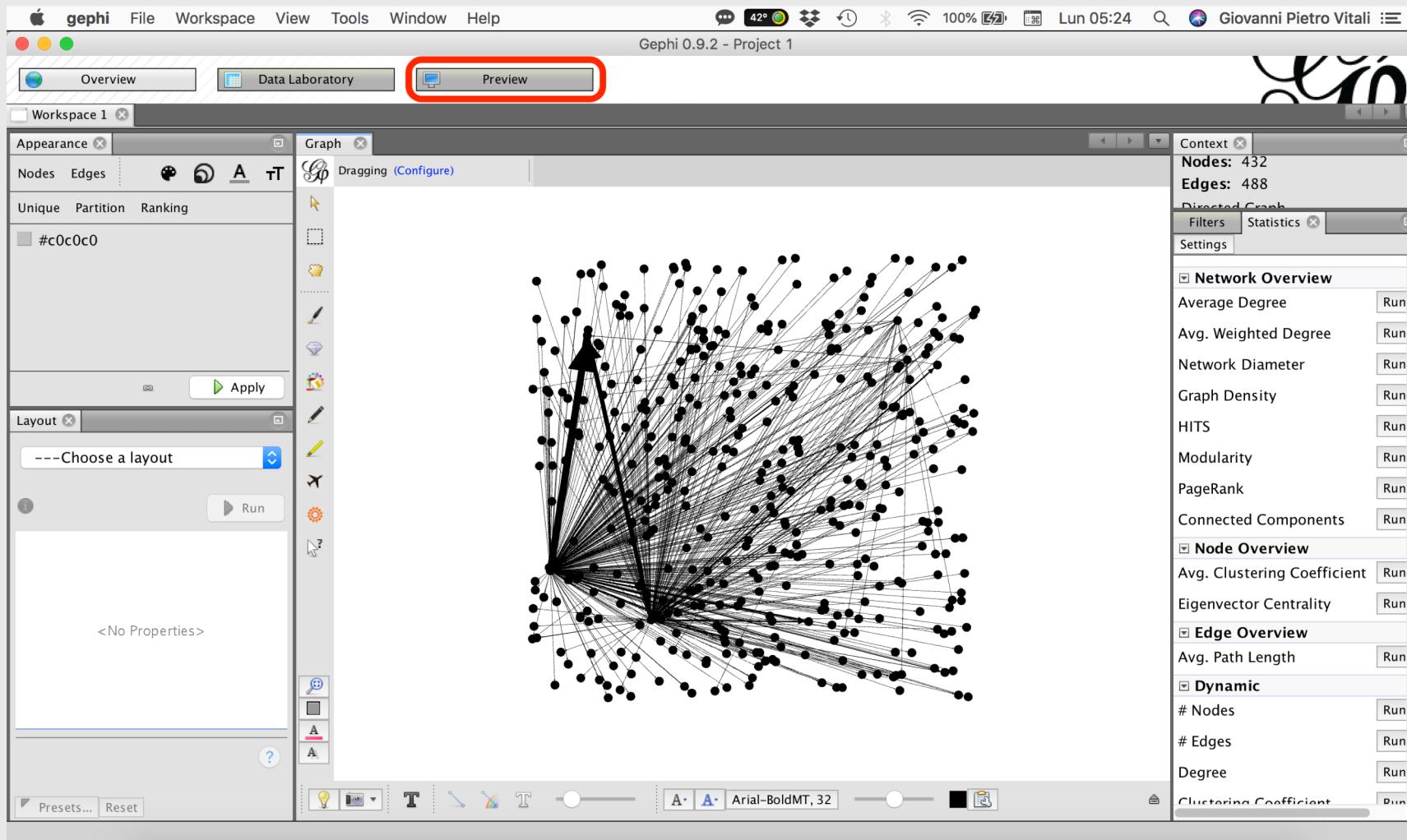
Id	Label	Type
type	type	
link_domain	link_domain	
post_published	post_published	
post_published_sql	post_published_sql	
likes_count_fb	likes_count_fb	
comments_count_fb	comments_count_fb	
reactions_count_fb	reactions_count_fb	
shares_count_fb	shares_count_fb	
engagement_fb	engagement_fb	
comments_retrieved	comments_retrieved	
comments_base	comments_base	
comments_replies	comments_replies	
comment_likes_count	comment_likes_count	
rea_LOVE	rea_LOVE	
rea_WOW	rea_WOW	
rea_HAHA	rea_HAHA	
rea_SAD	rea_SAD	
rea_ANGRY	rea_ANGRY	
rea_THANKFUL	rea_THANKFUL	
photo	photo	
facebook.com	facebook.com	
2018-06-12T16:05:00+0000	2018-06-12T16:05:00+0000	
2018-06-12 18:05:00	2018-06-12 18:05:00	
168	168	
61	61	

Bottom toolbar:

- 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 ▾

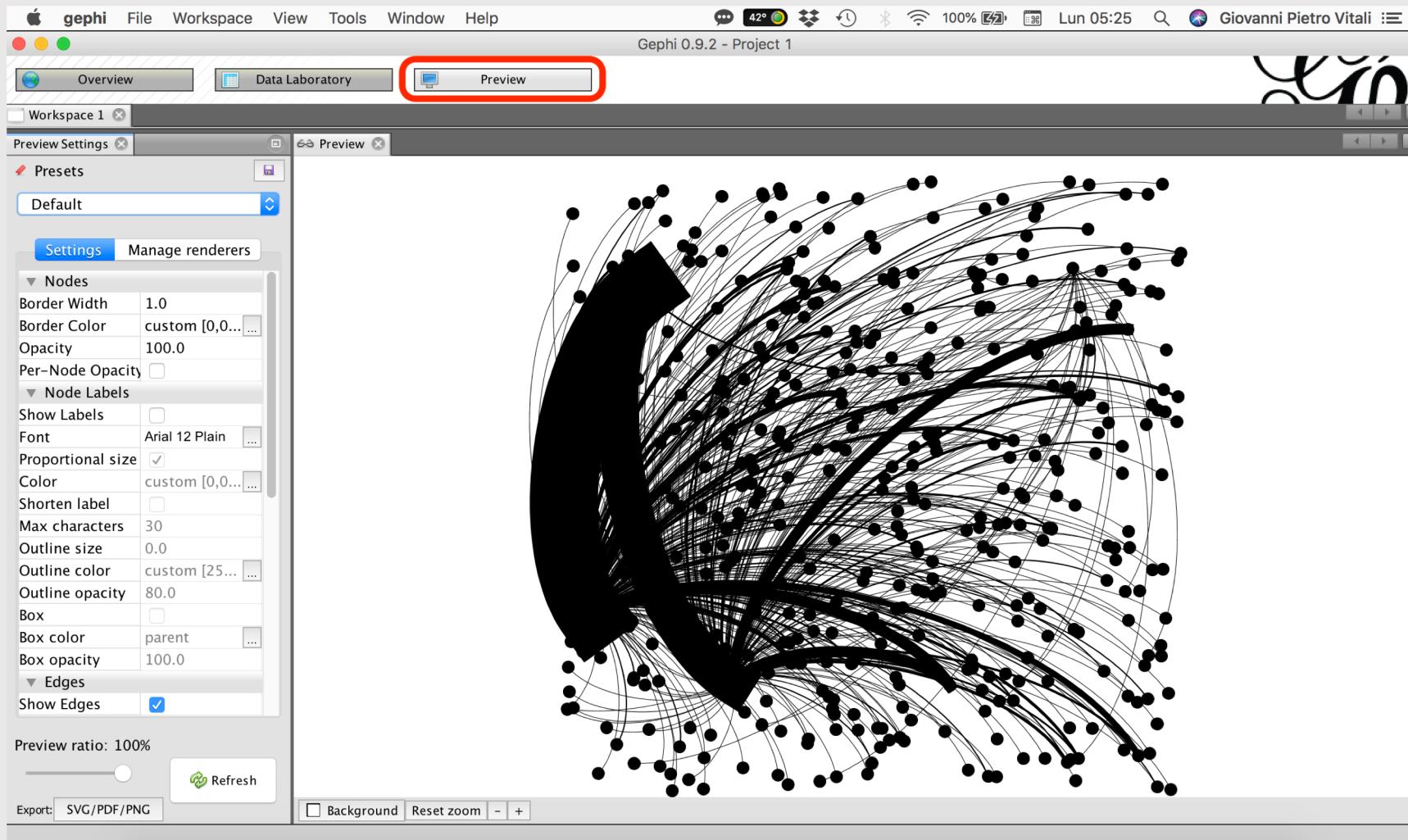


# Manipulate the graph and check the Preview



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# Control the graphic changes of the graph



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# Set your data: Nodes

CAD

Excel File Modifica Visualizza Inserisci Formato Strumenti Dati Finestra ? Lun 05:42

Nodes\_JE

Home Inserisci Layout di pagina Formule Dati Revisione Visualizza

Calibri (Corpo... 12 A A Generale Formattazione condizionale Formatta come tabella Stili cella Inserisci Elimina Formato Ordina e filtra

A87 fx 1969

Id	Label	Attribute	Lat	Lng
2	Afrikaans	Afrikaans	2	-33,92584 18,42322
3	Albanian	Albanian	1	41,3275 19,81889
4	Amharic	Amharic	1	9,02497 38,74689
5	Arabic	Arabic	1	30,06263 31,24967
6	Armenian	Armenian	1	40,18111 44,51361
7	Basque	Basque	1	43,31283 -1,97499
8	Basque	Basque	1	43,31283 -1,97499
9	Bengali	Bengali	1	23,7104 90,40744
10	Bosnian	Bosnian	1	43,84864 18,35644
11	Bulgarian	Bulgarian	2	42,69751 23,32415
12	Burmese	Burmese	1	16,80528 96,15611
13	Catalan	Catalan	7	41,38879 2,15899
14	Chinese	Chinese	23	22,27832 114,17469
15	Croatian	Croatian	4	45,81444 15,97798
16	Dutch	Dutch	37	52,37403 4,88969
17	Esperanto	Esperanto	2	59,24148 18,28074
18	Estonian	Estonian	2	59,43696 24,75353
19	Farsi	Farsi	7	35,69439 51,42151
20	Finnish	Finnish	2	60,99596 24,46434
21	French	French	48	48,81642 2,49366
22	German	German	25	50,11552 8,68417
23	Greek	Greek	9	37,97945 23,71622
24	Gujurati	Gujurati	1	19,07283 72,88261
25	Hebrew	Hebrew	3	32,08088 34,78057
26	Icelandic	Icelandic	1	64,13548 -21,89541
27	Indonesian	Indonesian	1	-6,21462 106,84513
28	Latvian	Latvian	1	56,946 24,10589
29	Lithuanian	Lithuanian	1	54,68916 25,2798

Foglio1 +

Pronto Media: 1313 Conteggio: 3 Somma: 3939 100%

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# Set your data: Edges

Edges\_JE.xls [modalità compatibilità]

B2

Source	Target	Type
2 Afrikaans	2005	Directed
3 Afrikaans	2013	Directed
4 Albanian	2014	Directed
5 Amharic	1981	Directed
6 Arabic	1956	Directed
7 Armenian	1988	Directed
8 Basque	2011	Directed
9 Basque	1998	Directed
10 Bengali	2006	Directed
11 Bosnian	1990	Directed
12 Bulgarian	1959	Directed
13 Bulgarian	2013	Directed
14 Burmese	1953	Directed
15 Catalan	2009	Directed
16 Catalan	2001	Directed
17 Catalan	1980	Directed
18 Catalan	1996	Directed
19 Catalan	1992	Directed
20 Catalan	2010	Directed
21 Catalan	1971	Directed
22 Chinese	2001	Directed
23 Chinese	2007	Directed
24 Chinese	2001	Directed
25 Chinese	1997	Directed
26 Chinese	2010	Directed
27 Chinese	2004	Directed
28 Chinese	2006	Directed
29 Chinese	2003	Directed
30 Chinese	1982	Directed
31 Chinese	1990	Directed
32 Chinese	2008	Directed
33 Chinese	2007	Directed
34 Chinese	2007	Directed
35 Chinese	2005	Directed
36 Chinese	2007	Directed
37 Chinese	1980	Directed
38 Chinese	2003	Directed
39 Chinese	1991	Directed
40 Chinese	2002	Directed

Jane Eyre Translations List v\_1 Pronto Media: 1982,446254 Conteggio: 307 Somma: 608611 100%



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# 07 \_ DATA \_ AND \_ NETWORK \_ END

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