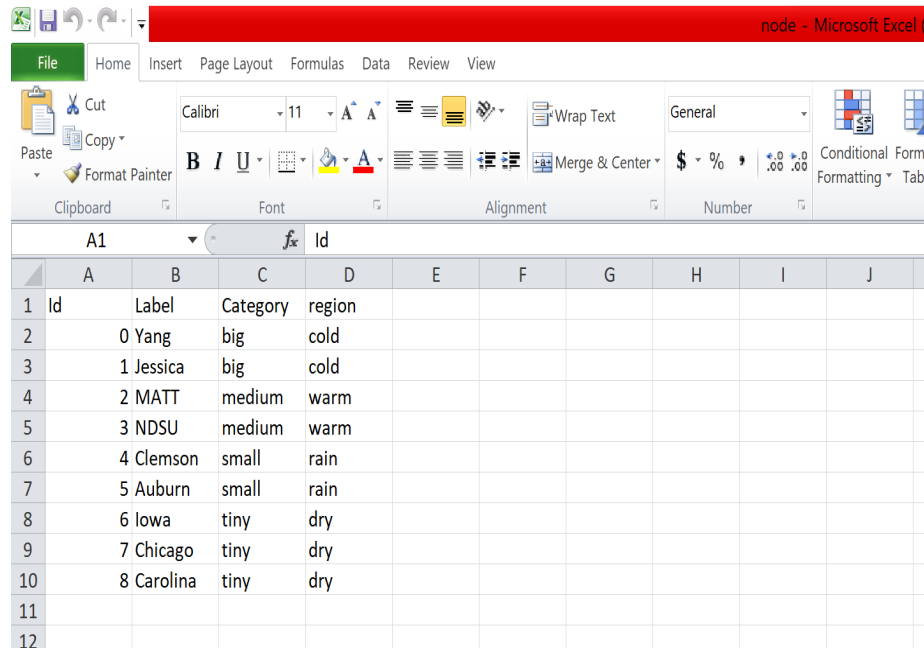


## STEPS ON HOW TO CREATE A VISUALIZATION USING GEPHI

### 1. Create two csv files

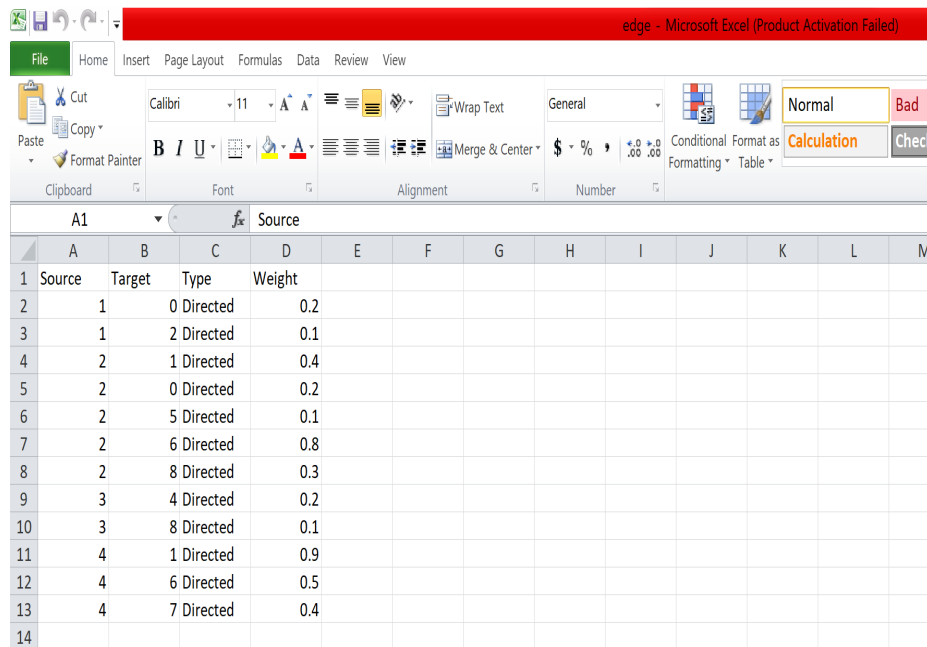
#### a. Node; attributes { Id, Label, Category, region}



The screenshot shows a Microsoft Excel spreadsheet titled 'node - Microsoft Excel'. The spreadsheet has columns A through J and rows 1 through 12. The data is as follows:

	A	B	C	D	E	F	G	H	I	J
1	Id	Label	Category	region						
2		0 Yang	big	cold						
3		1 Jessica	big	cold						
4		2 MATT	medium	warm						
5		3 NDSU	medium	warm						
6		4 Clemson	small	rain						
7		5 Auburn	small	rain						
8		6 Iowa	tiny	dry						
9		7 Chicago	tiny	dry						
10		8 Carolina	tiny	dry						
11										
12										

#### b. Edge: attributes { Source, Target, Type, Weight}



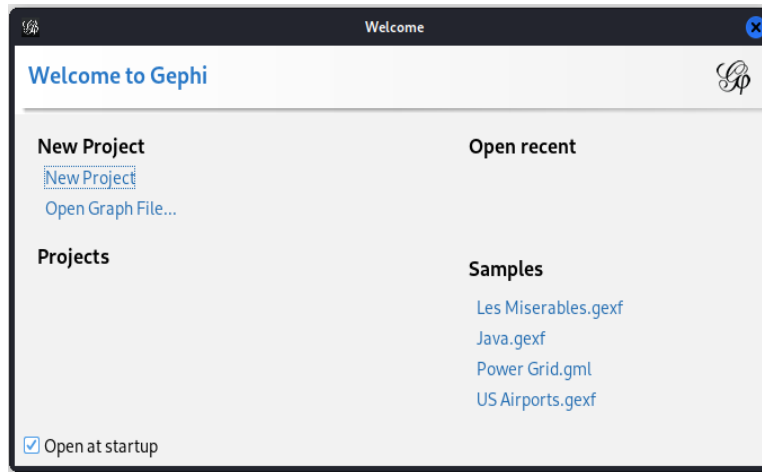
The screenshot shows a Microsoft Excel spreadsheet titled 'edge - Microsoft Excel (Product Activation Failed)'. The spreadsheet has columns A through M and rows 1 through 14. The data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Source	Target	Type	Weight									
2		1	0 Directed	0.2									
3		1	2 Directed	0.1									
4		2	1 Directed	0.4									
5		2	0 Directed	0.2									
6		2	5 Directed	0.1									
7		2	6 Directed	0.8									
8		2	8 Directed	0.3									
9		3	4 Directed	0.2									
10		3	8 Directed	0.1									
11		4	1 Directed	0.9									
12		4	6 Directed	0.5									
13		4	7 Directed	0.4									
14													

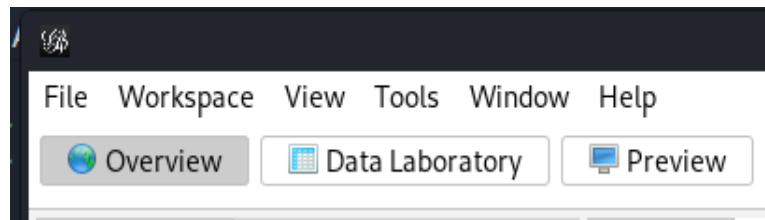
### 2. Start gephi by;

- Clicking on the Gephi desktop icon on windows
- Enter the command on Linux to start : **./gephi-0.10.1/bin/gephi**

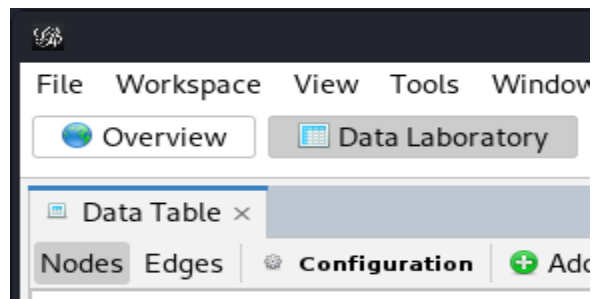
3. In Gephi, perform the following:
- Click on **New Project**



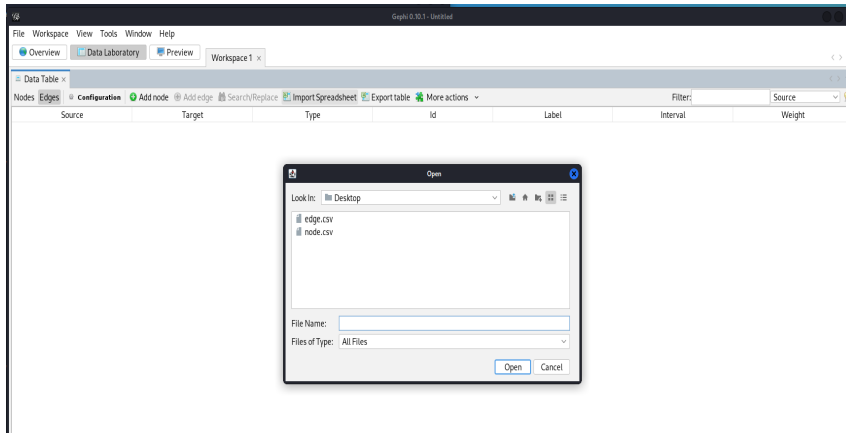
- Click on **Data Laboratory**



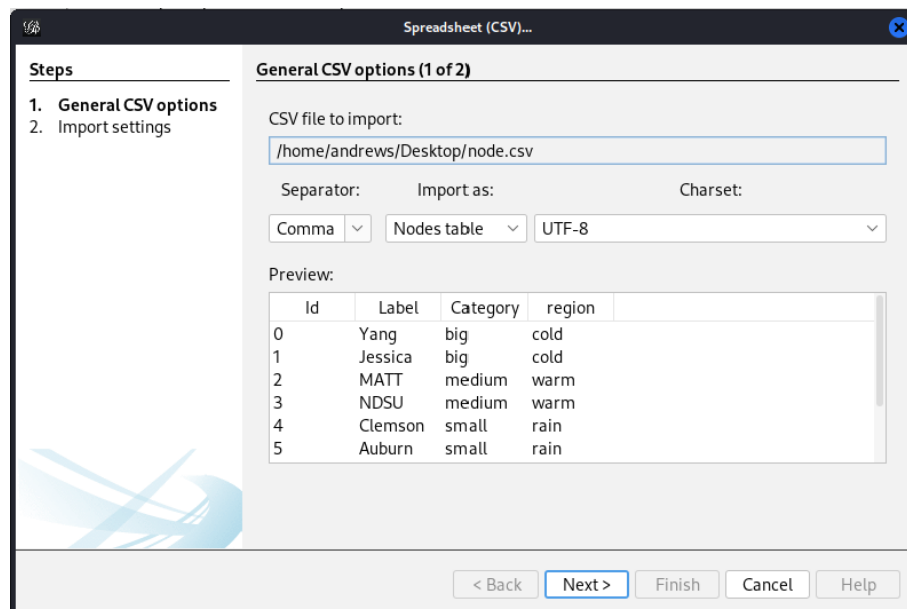
- Choose **Node**



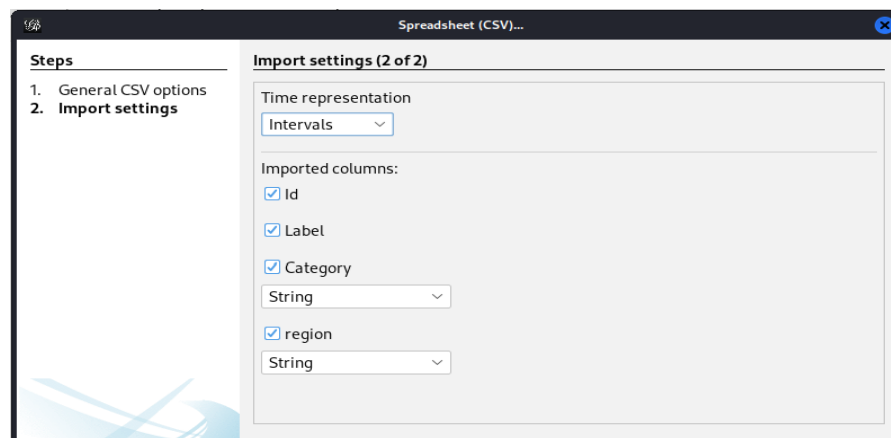
d. Click on Import Spreadsheet and select the right node.csv file.



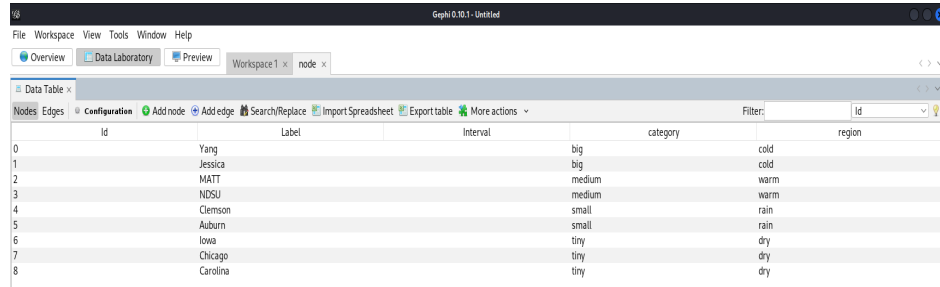
e. Make sure to choose the right Table for the right file and click on next. E.g. Node table for node file.



f. Make sure to tick all the needed columns and click on finish.



f. Click on finish to complete your import.



The screenshot shows the 'Data Table' window in Gephi 0.10.1. The table has columns for 'Id', 'Label', 'Interval', 'category', and 'region'. The data is as follows:

Id	Label	Interval	category	region
0	Yang		big	cold
1	Jessica		big	cold
2	MATT		medium	warm
3	NDSU		small	rain
4	Clemson		small	rain
5	Auburn		tiny	dry
6	Iowa		tiny	dry
7	Chicago		tiny	dry
8	Carolina		tiny	dry

**NB: Perform the same instructions for importing the edge file.  
Only change the table to Edge table instead of node table.**

g. After importing both the Edge and Node file, Click on Overview to see the graph plotted.

