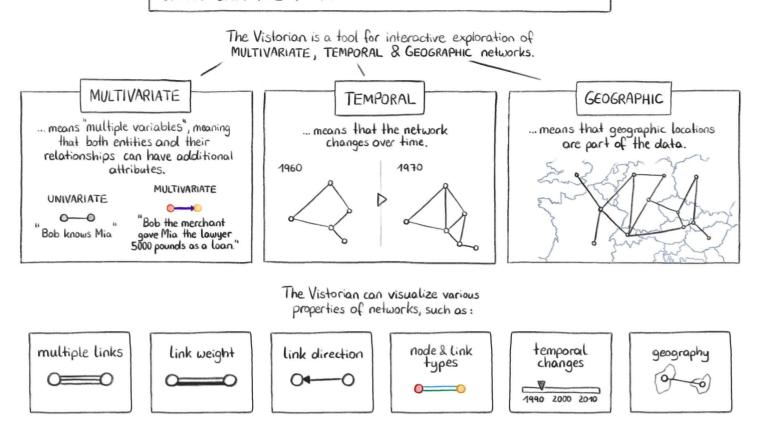
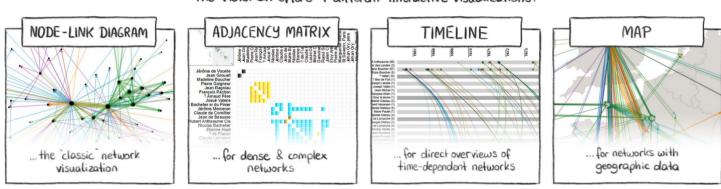
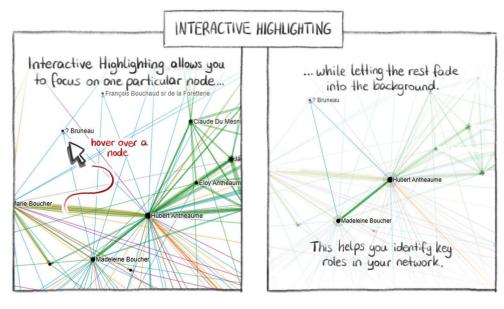
WHAT CAN THE VISTORIAN DO: A FEATURE OVERVIEW



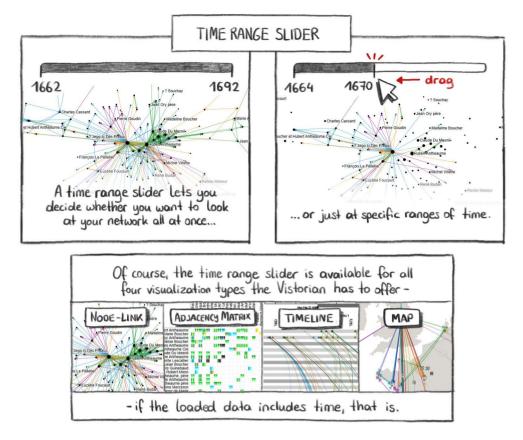


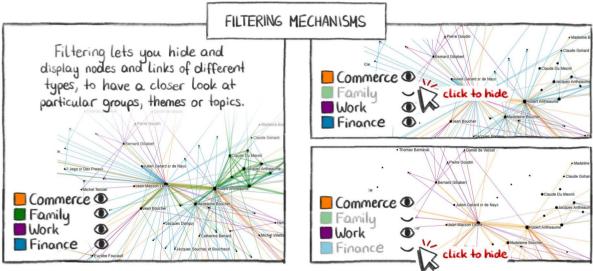


The Vistorian offers a range of interactive features to support the exploration of networks:

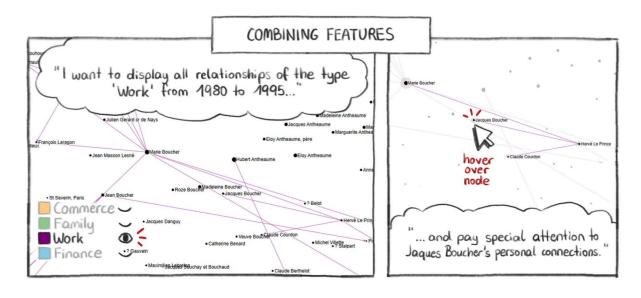


WHAT CAN THE VISTORIAN DO: A FEATURE OVERVIEW



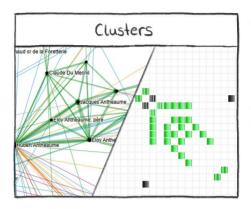


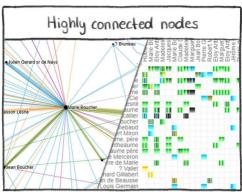
You can use all of the interactive features combined, too!

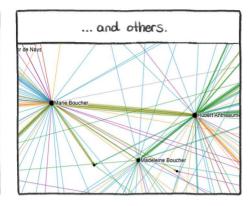


WHAT CAN THE VISTORIAN DO: A FEATURE OVERVIEW

All visualizations in the Vistorian are algorithmically optimized to reveal network structures such as...

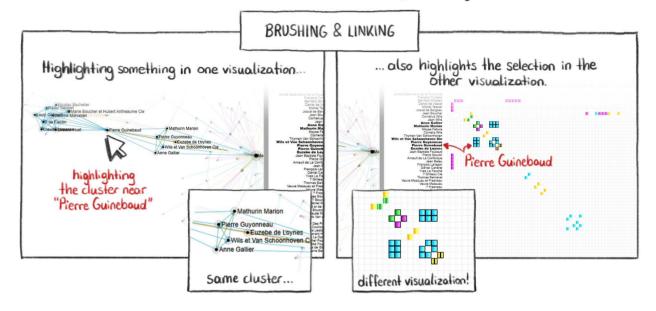






The visualizations are also fully linked and can be explored side by side. This allows you to make the most out of each visualization's strengths.

This technique is also called brushing & linking.



The Vistorian is a standalone, open-source application.

Your personal network data is kept safely in Your browser's local storage until you delete it.

No account is required and no personal data is transmitted to our servers.

The Vistorian is developed by:

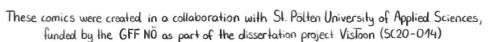




Research



Read more about it at vistorian.github.io





NODE TABLES AND LINK TABLES

When working with network data, you might encounter different types of tables:

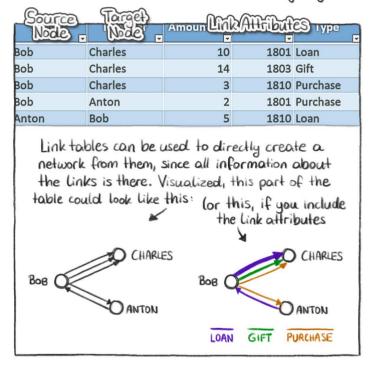
LINK TABLES Receiver Amount (k 1801 Loan Bob Charles 14 1803 Gift 1810 Purchase Bob Charles Bob Anton 2 1801 Purchase Roh 1810 Loan Anton Anton Lily 1804 Loan Charles 2 Anton 1804 Purchase

In link tables, each row describes one relationship between two entities (i.e., nodes). For example, the marked row here shows one money transfer from Bob to Charles, where the amount was 14k, and it was a gift.

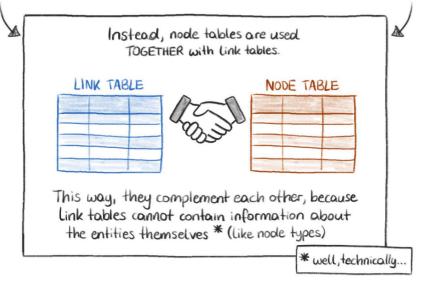
NODE TABLES				
Name	Prof		et City	
Bob	Merchant	he/him	16 Jedburgh RcLewes	
Anton	Lawyer	he/him	98 City Walls R Clunie	
Charles	Accountant	he/him	30 Rhosddu Rc Fidden	
Fred	Attorney	he/him	51 Cloch Rd St Harmon	
Lily	Accountant	she/her	81 Peachfield F Challacombe	
Felix	Flight Attendant	he/him	78 Seaford Roa Cumwhinton	
Julian	Police Officer	he/him	46 Marlboroug Southampton	
Alex	Teacher	they/them	39 Foregate St Codmore Hill	
Olivor	Pilot	ho/him	10 Ockham Po Fact Procton	

In node tables, each row contains information about one single entity (i.e., node). For example, the marked row in this table shows that Charles is an accountant, goes by he/him, and lives at 30 Rhosddu Road in Fidden.

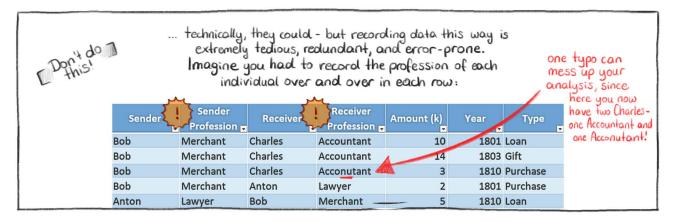
The main difference between the two kinds of tables is the way they are used to specify networks:



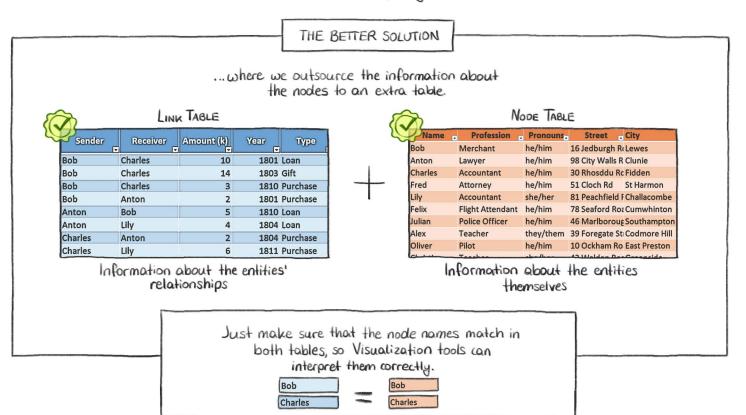
Name -	Profession -	Pronouns,	Street	City	
Bob	Merchant	he/him	16 Jedburgh R	Lewes	
Anton	Lawyer	he/him	98 City Walls F	R Clunie	
Charles	Accountant	he/him	30 Rhosddu R	c Fidden	
Fred	Attorney	he/him	51 Cloch Rd	St Harmon	
Lily	Accountant	she/her	81 Peachfield	F Challacombe	
Caliv	Cli-L+ Attandant	ha/him	70 Conford Da	Cumuchintan	
We could at best create a visualization that shows how many people have which jobs					
?	ACCOUNTANT	ATTORNE	y X LAW	AEK S	
CHARLES LILY X FRED ? ANTON ?					
But that is not really purposeful, especially in this case.					

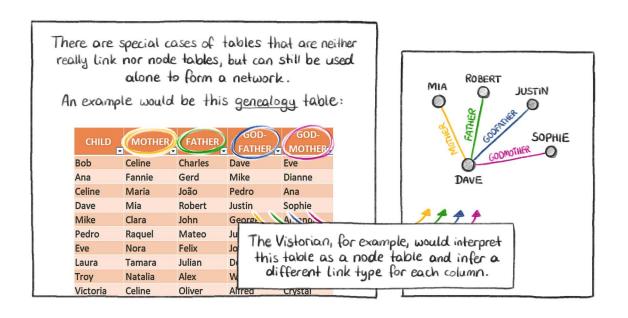


NODE TABLES AND LINK TABLES



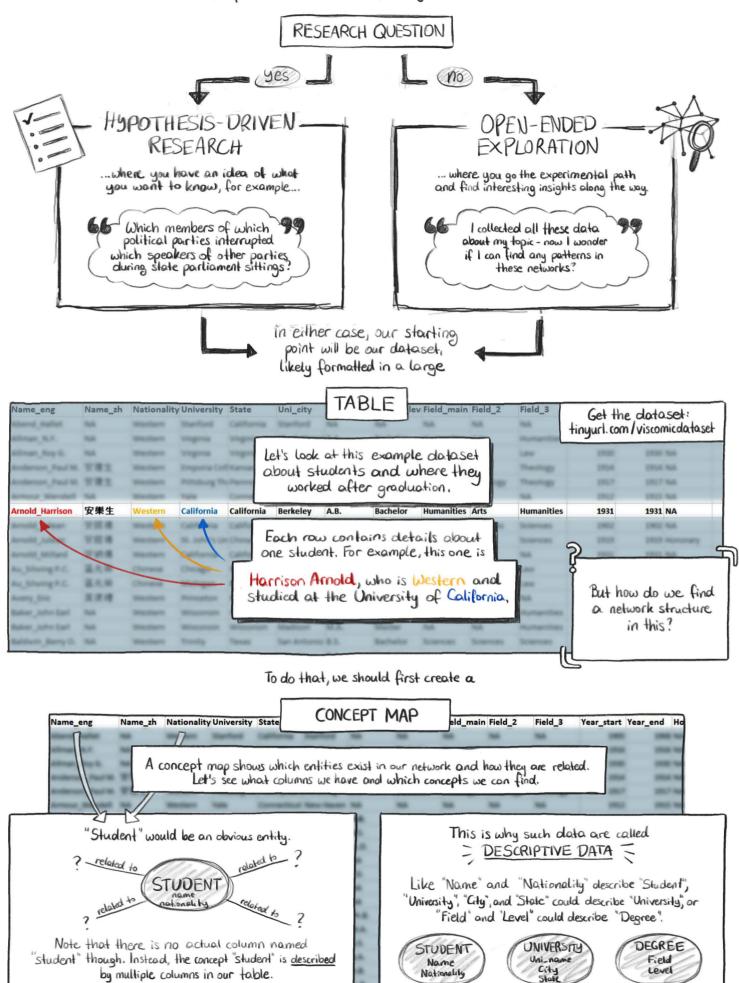
So this is why instead of having such a redundant table, we go for...





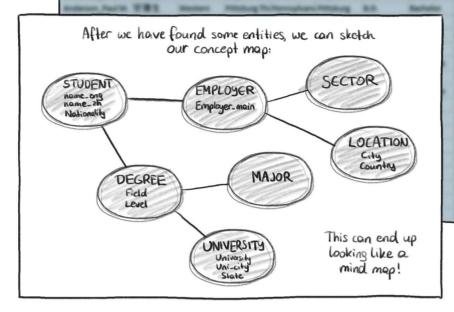
HOW TO PREPARE DATA FOR EXPLORATION

As soon as we have our raw data, there are two routes of exploration we can take, depending on whether we have a



by multiple columns in our table.

HOW TO PREPARE DATA FOR EXPLORATION



It's important to know that there is not always a single "correct" solution:

"Degree" could also be treated as descriptive data for "Student", or "Location" and "Sector" could be descriptive data for "Employer".

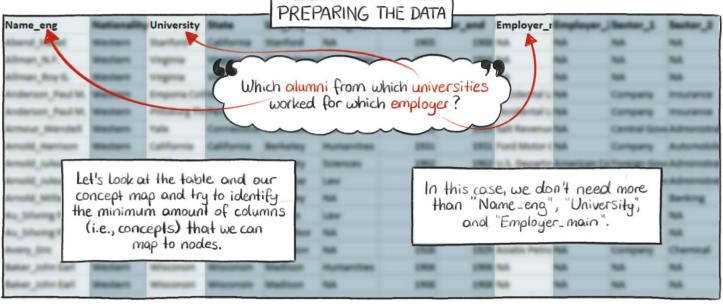


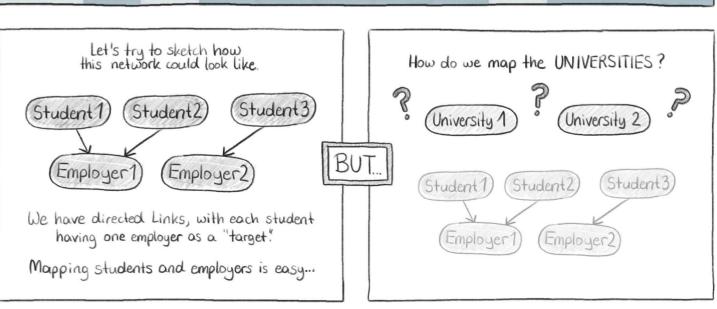


Which entities and descriptive data we concentrate on depends on our current research question or focus.

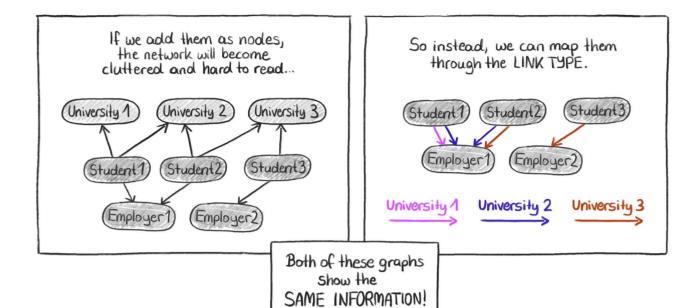
We may also ignore parts of our table!

So, Let's take an example research question and plan how our network could look like to arswer it.

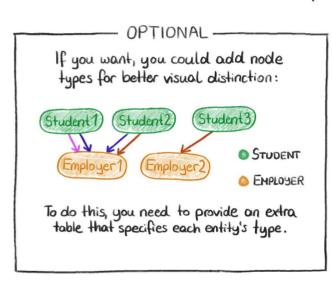




HOW TO PREPARE DATA FOR EXPLORATION



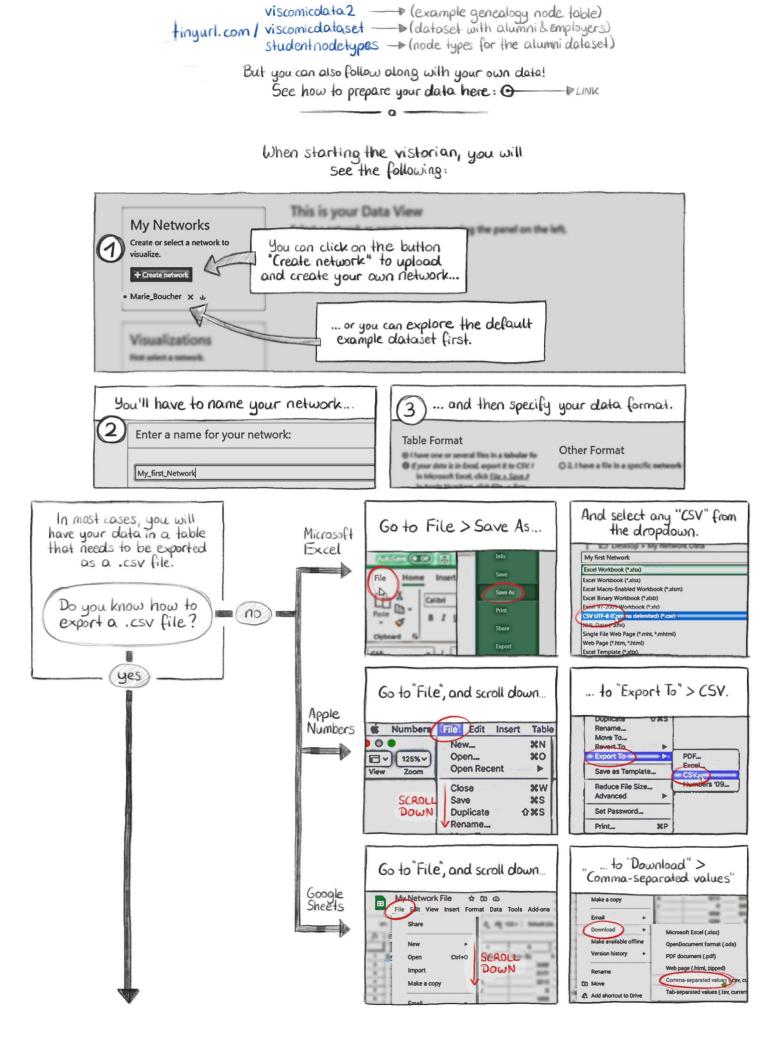
Technically, you could have your data visualized now. There is just one optional step left to do:



OPTIONAL				
Such a table should look like this:				
Name or ID of node	Node type			
Arnold_Julean	Student			
Arnold_Millard	Student			
Au_Silwing P.C.	Student			
Avery_Eric	Student			
Baker_John Earl	Student			
Baldwin_Berry O.	Student			
Barnett_E.E.	Student			

And if you have all your tables handy,
you are now ready to import your data
into a visualization tool!

This comic uses the following datasets:





Then, the Vistorian needs to know how links are represented in your data (i.e., whether you have a NODE TABLE or a LINK TABLE

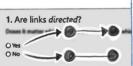
So... which kind of table do you have?



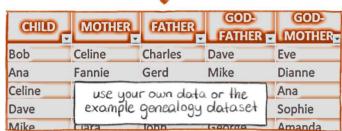


Abend_Hallet	NA	Western	Stanford	California	Stanford	NA
Allman_N.F.	NA	Western	Virginia	Virginia	Charlottesvi	B.A.
Allman_Roy G	NA	Western	Virginia	Virginia	Charlottesvi	LL.B.
Anderson_Pau	安建生	Western	Emporia Coll	Kansas	Emporia	A.B.
Anderson_Pau	安建生	Western	Pittsburg The	Pennsylvan	i. Pittsburg	B.D.
Armour_Went	N.		1 1	11	n	NA
Arnold_Harris						A.B.
Armold_Julear \$ alumni - employers example dataset				ataset [B.S.	
Arnold_Julear	安		9			LL.D.

You will be asked whether your links are directed.











You will see a preview of your table. Check whether it has a header row or not you don't want the names of the columns to be added as nodes!

0	1	2
NAME	UNI	EMPLOYER
Bob	Stanf	Ministry of f
Darcy	Califo	Shanghai To
Mira	Yale	Liberty Dai
Martin	Carno	National Co.

Has header row?

NAME	UNI	EMPLOYER
Bob	Stanf	Ministry of f
Darcy	Califo	Shanghai Te
Mira	Yale	Liberty Dair
Martin	Corne	National Sout
0	Massa	Feedle Olle

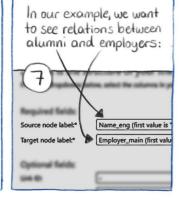
M Has header row?



Next, you need to tell the Vistorian which columns in your table describe your source and target nodes.

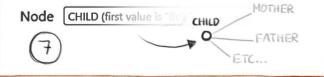
(Or, simply, which are the two nodes that have a relationship)





Next, you need to specify which column of your table contains your main nodes, i.e., those you want to see the relationships of.

In the example genealogy, that would be the column "CHILD".

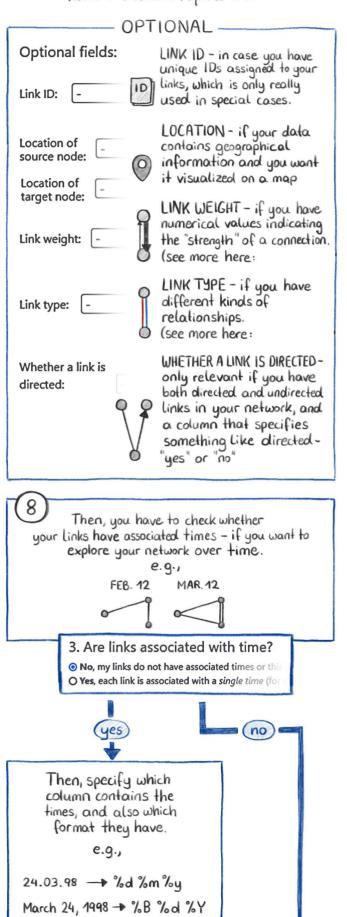






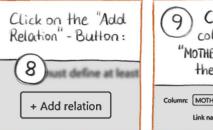


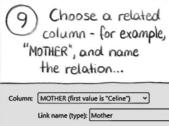
Next, there are a few optional fields you can specify if your research question or network structure requires them:

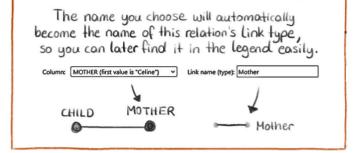




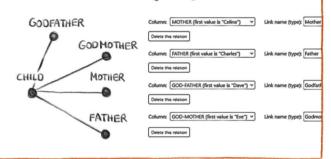
Then, all that's left to do is to specify which other columns your main nodes have a relationship to - and how you want to name them.



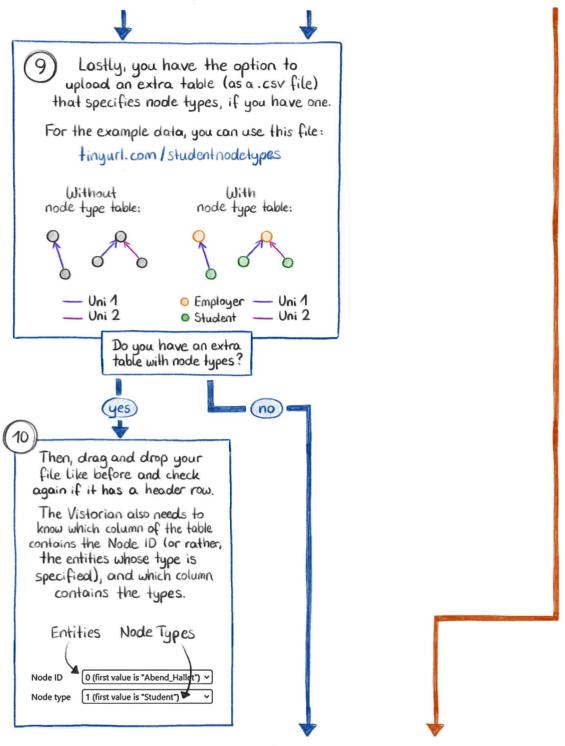




You need to specify at least one type of relation to be able to form a network, but you can add as many as you want!



As soon as you've specified all relations that are of interest to you...



As soon as you have completed these steps...

