

Tools used in this guide: ScienceScape, Table2Net, Gephi / GephiLite, CorText, TUT

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AI-ASSISTED LITERATURE REVIEWS: TOOLS & VISUALISATIONS WORKSHOP

STEP 4: VISUALIZING IN GEPHI OR GEPHI LITE

Gephi can be downloaded, [GephiLite](#) is the browser version of the program. In this step you need to think about what you want to see

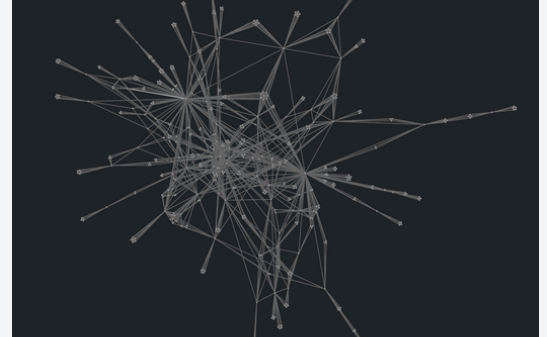
Once you have uploaded your network file to Gephi and receive the first (probably quite messy and dense) network, you can apply different filters.

1. Choosing a layout

We use the force atlas layout, which uses a force-vector algorithm - a simulated physical force that pulls the nodes together. It will keep running to try and optimize the relations between the nodes until they are balanced. It is impossible to balance perfectly, but in order to merge all nodes in a 2-dimensional space this is as good as it gets.

2. Turn on the labels

We turn on labels to see what the titles of the nodes are. In our case - visualizing keywords - we see keywords that tend to appear together in papers and groups of papers where these occur together.



STEP 5: VISUALIZING IN CORTEXT

Using [Cortext](#) requires setting up a free account. This interface does not require coding by the user, but offers functions that would also be achievable by coding them in python for example. The open-source platform gives you an interface to work with a script of your own data. You will upload your data and start a script. Cortext will then produce a text analysis and add layers of analysis onto your script.

1. Click "upload file" and upload your text file
2. click "start script"
3. In NLP a dataset is called a corpus, therefore you turn the data into a script by saying "parsing the corpus"
4. click "run script"
5. we now created a database that we can use to do different things with in Cortext.

An example of what you can do here is the extraction of noun phrases (several words in a sequence that refer to a concept or analysis point)

On the right, you can see an example of such a network created in Cortext using noun phrases.

