15_02_2023

Weekly writing progress

- Rationale
- Research questions

Upcoming writing progress

- Eligibility criteria
- (Venue selection process)

Check on predatory venues

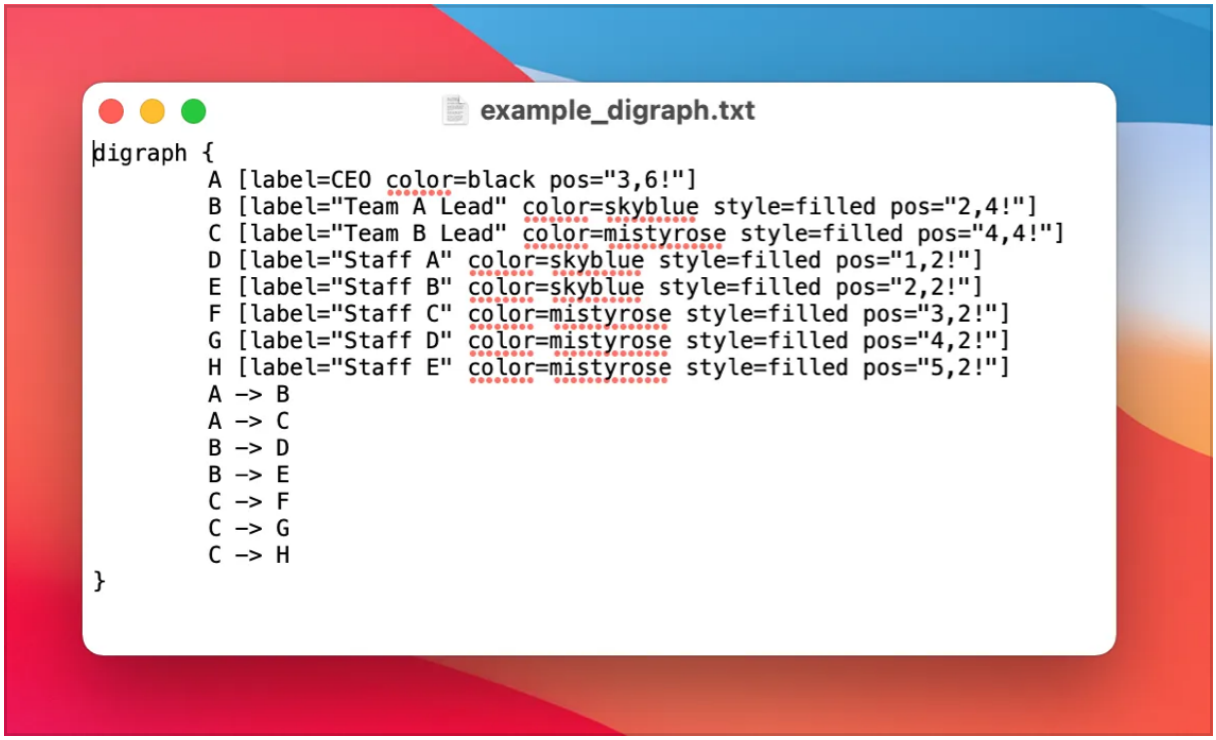
Potentially predatory journals are checked using the Beall's List repository.

None of the journals related to the selected work are found to be predatory.

Paper graphs

Tool of choice: Graphviz

In this context, graphs are expressed using the **DOT language** DOT Language | Graphviz.



When generating a graph using the DOT syntax, it is decided to identify a given paper using the corresponding **citation key** which is fetched directly from the generated .bib files.

In this context, we have:

- Two .bib files containing the original selection of papers (one for papers gathered from conferences and one from journals).
- A set of .bib files for the B.S. phase. Each file correspond to the references (**outgoing edges**) found for a given paper belonging to the initial set.
- A set of .bib files for the F.S. phase. Each file correspond to the citations (**incoming edges**) found for a given paper belonging to the initial set.

Before starting the actual work required to generate the relevant graphs, the citation keys need to be (automatically) **standardised**.
The following format is used to express the citation key for a given paper:

`AUTHOR_SURNAME_YEAR_TITLE_WITH_UNDERSCORES`

Limitation: The structure of the graph revolves **solely around the initial set of selected papers**:

- Backward snowballing papers generate the outgoing edges
- Forward snowballing papers represent generate the incoming edges
- **Missing**: References between the Forward / Backward Snowballing papers

Ideas for visualisations

- Graph containing all the selected papers (Initial selection + BS + FS)
- Representing authors as nodes instead of papers
- Clustering nodes by topic / domain
- …

#Thesis/Weekly notes#