COST-ARKWORK CA16204 WG2 Training School 2018, Galway, 5-7Dec 2018
Gephi session, Thursday, 6 Dec 2018, 15:30-17:00
Session Facilitator: Meliha Handzic

Instructions

Before session: Installation and Familiarisation

- Download and install Gephi: https://gephi.org/users/download/
- Familiarise yourself with Brown Corpus: http://clu.uni.no/icame/manuals/BROWN/INDEX.HTM

During session: Network Analysis and Visualisation

- Start Gephi
- Choose New Project
- Import spreadsheet **PROSE**
- Choose Layout
- Calculate Degree Centrality
- Visualise network according to degree (select colour and size)
- Interpret results
- Calculate Diameter (betweenness& closeness centrality)
- Visualise network according to betweenness centrality (select colour and size)
- Interpret results
- Visualise network according to closeness centrality (select colour and size)
- Calculate Density
- Interpret results
- Calculate Modularity
- Visualise network according to modularity (select colour and size)
- Interpret results
- Apply Filter (Giant component)
- Calculate Modularity (after filtering)
- Visualise network according to modularity (select colour and size)
- Interpret results

After session: Metadata Extraction and Creation

- Access Voyant: https://voyant-tools.org/
- Upload selected text from (Brown Corpus) text files **general fiction, mystery, adventure, science fiction, romance, humour**
- Identify N most frequent words
- Create spreadsheet with 1 column for text type (e.g. A01-R09) and N (e.g. 50,100) columns for identified words
- Repeat steps for analysing and visualizing networks in Gephi performed during session
- Explore other features of Gephi

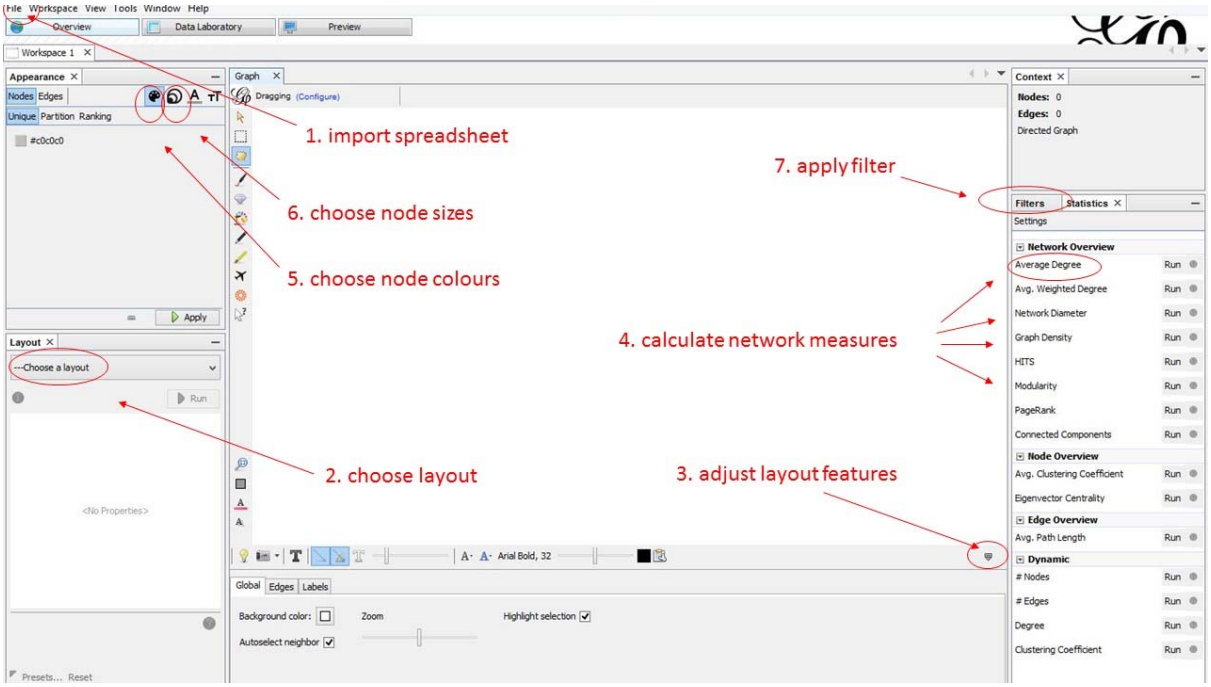

Figure: Gephi screenshot with instructions