3. Social Network Analysis

Task

- Use an existing [Movie dataset](#)
  - Focus on „casts" - data that provide information about actors in movies
  - You can also use already converted data to [csv](#) from https://github.com/cernoch/movies
- Convert „casts" data to a graph
  - Create a node for each actor
  - Create an edge if two actors appeared in the same movie
- Perform Social Network Analysis
  - Compute general statistics
  - Identify key players using centrality measures
  - Identify clusters/communities in graph
  - Compute „Kevin Bacon" number for each actor with selected key player
  - Visualise important aspects of the analysis
  - Compute graph embeddings and report results