Summer 2021 project

* Created a graph database in networkx and Neo4j
  + Grouped all authors who have worked together
  + Found all the combinations of authors who worked on a paper together (the edges)
  + Edge weights represent how many papers the author pair has worked on together
* Calculated Degree and closeness centrality and added them as node attributes
* Created meaningful SQL queries
  + Which authors have the most edges (highest degree)?
  + Which authors have published the most papers?
  + Which journal has published the most papers?
  + Which subjects are most written about?
* Community detection
  + Ran a simple community detection algorithm to group nodes into certain communities