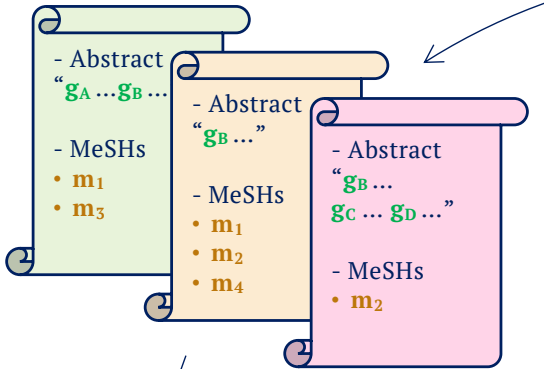


Input – Literature corpus
(PMIDs)



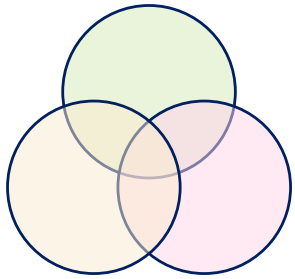
MeSHs (m) and gene entities (g)
recognition



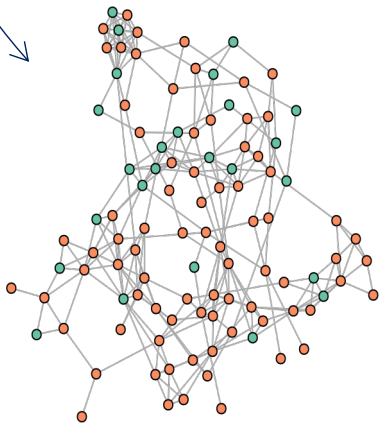
Network-inferred PubMed queries

{ "g_A [Title/Abstract] AND m₁ [MeSH terms] ..." }
{ "m₁ [MeSH terms] AND m₃ [MeSH terms] ..." }
{ "g_C [Title/Abstract] AND g_B [Title/Abstract] ..." }

Annotation of co-occurrences

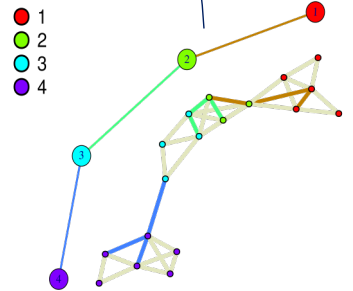


● Gene
● MeSH



Network of significant co-occurrences,
with respect to a configuration model

Propagated, clique-based communities

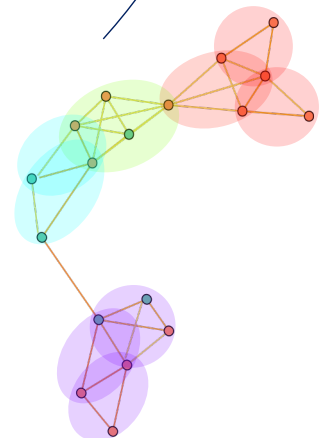


Fetch optimal community-connecting paths

Communities of cliques

1
2
3
4

Stronger connections
Weaker connections



Select "information-dense", maximal cliques and
cluster by clique-clique communities