



HALA ALBAHLOUL

Diseases Genes

The association between
diseases and genes

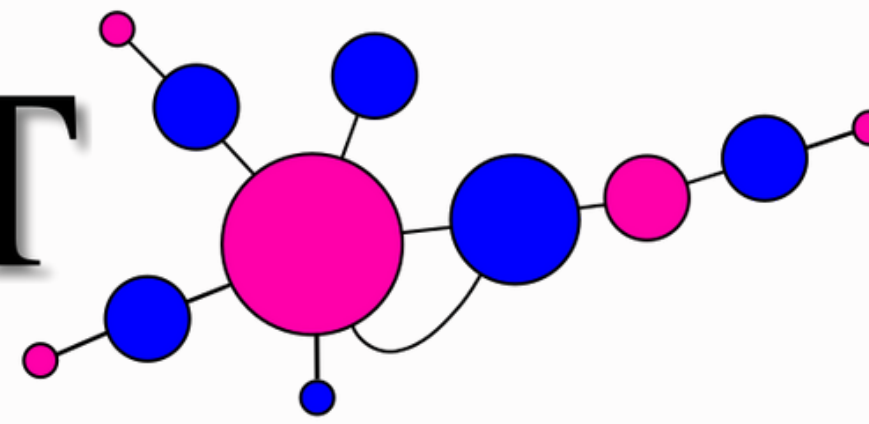


How are
diseases related?

What diseases are
you likely to get?

Based on Genes in common

DisGeNET

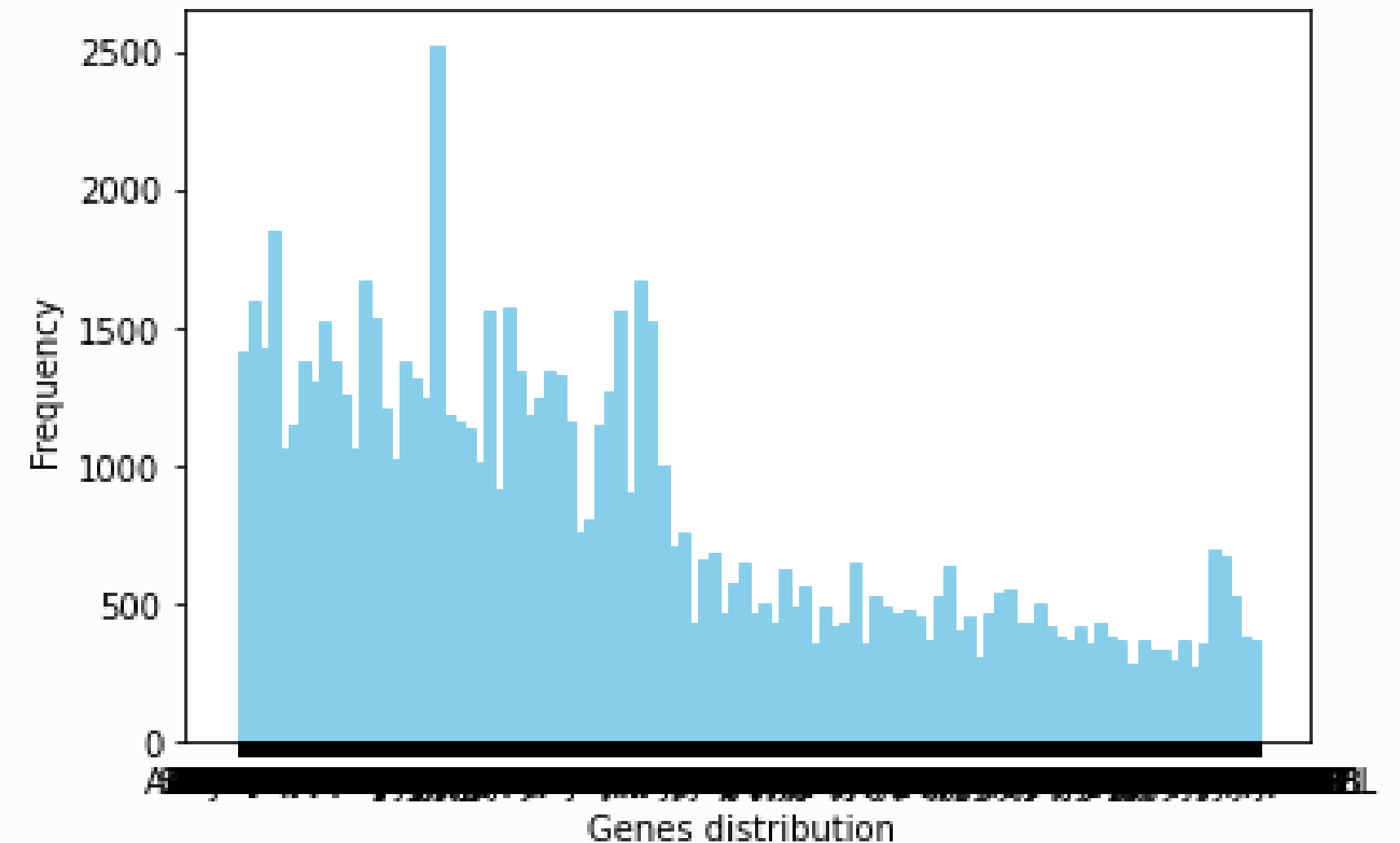
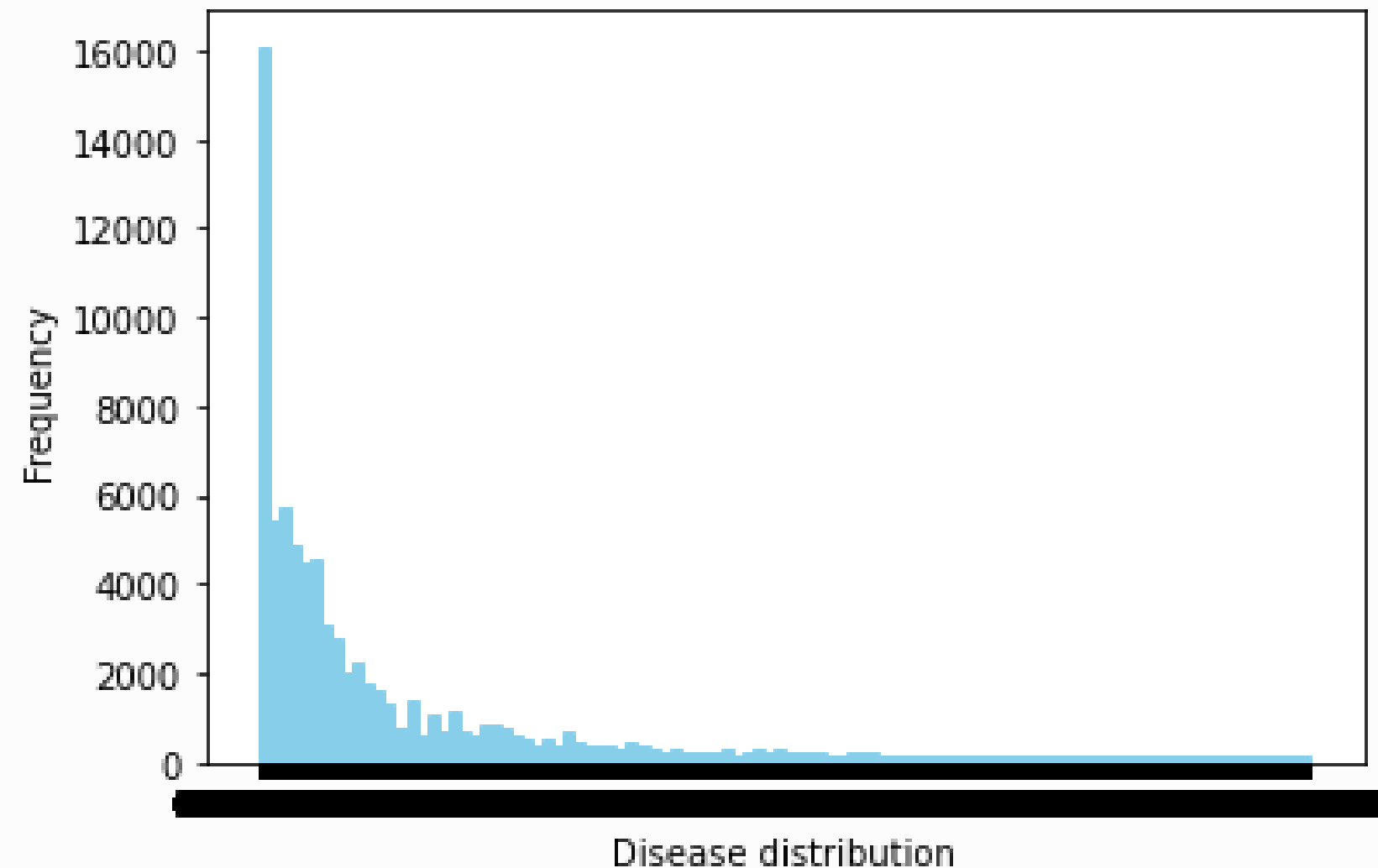


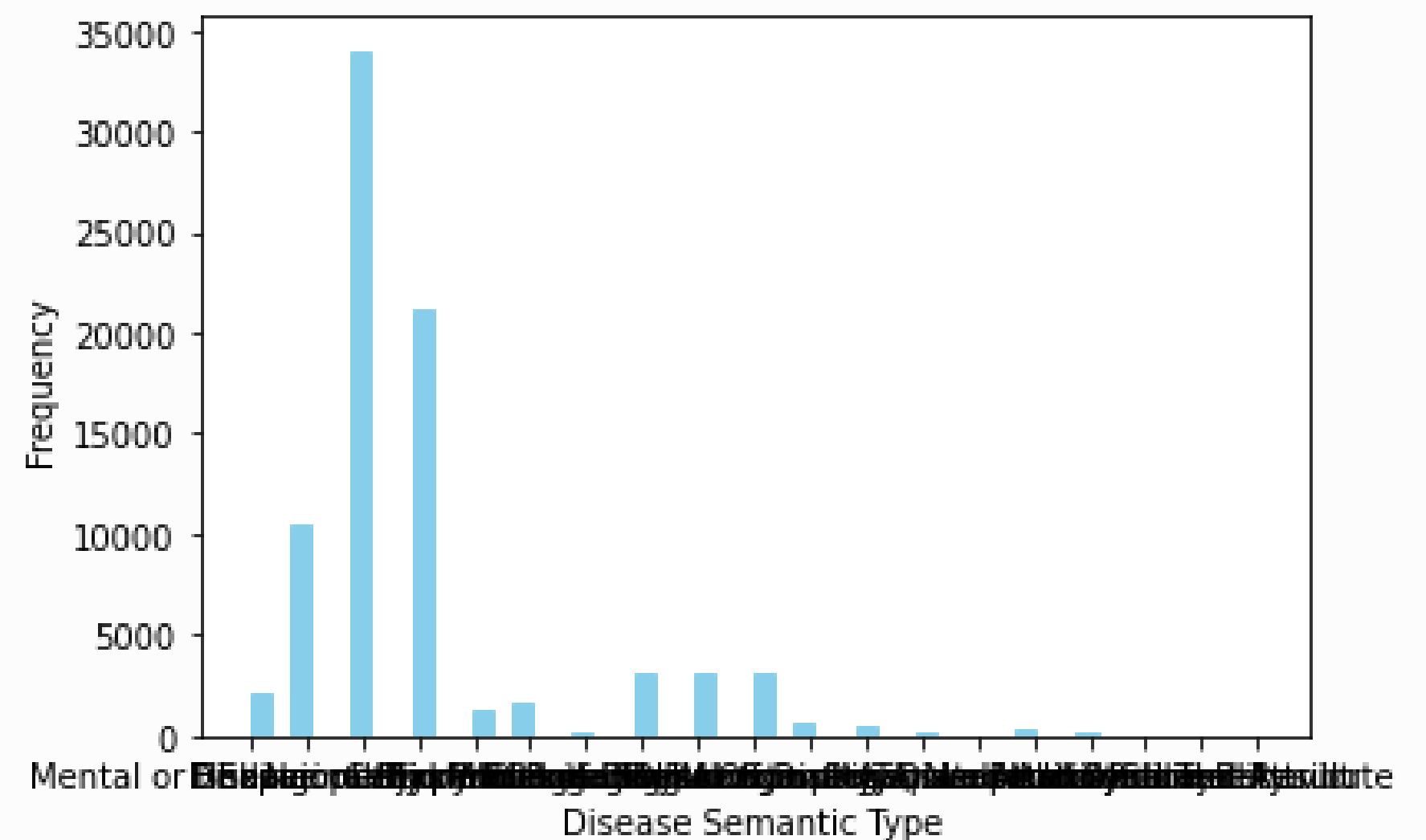
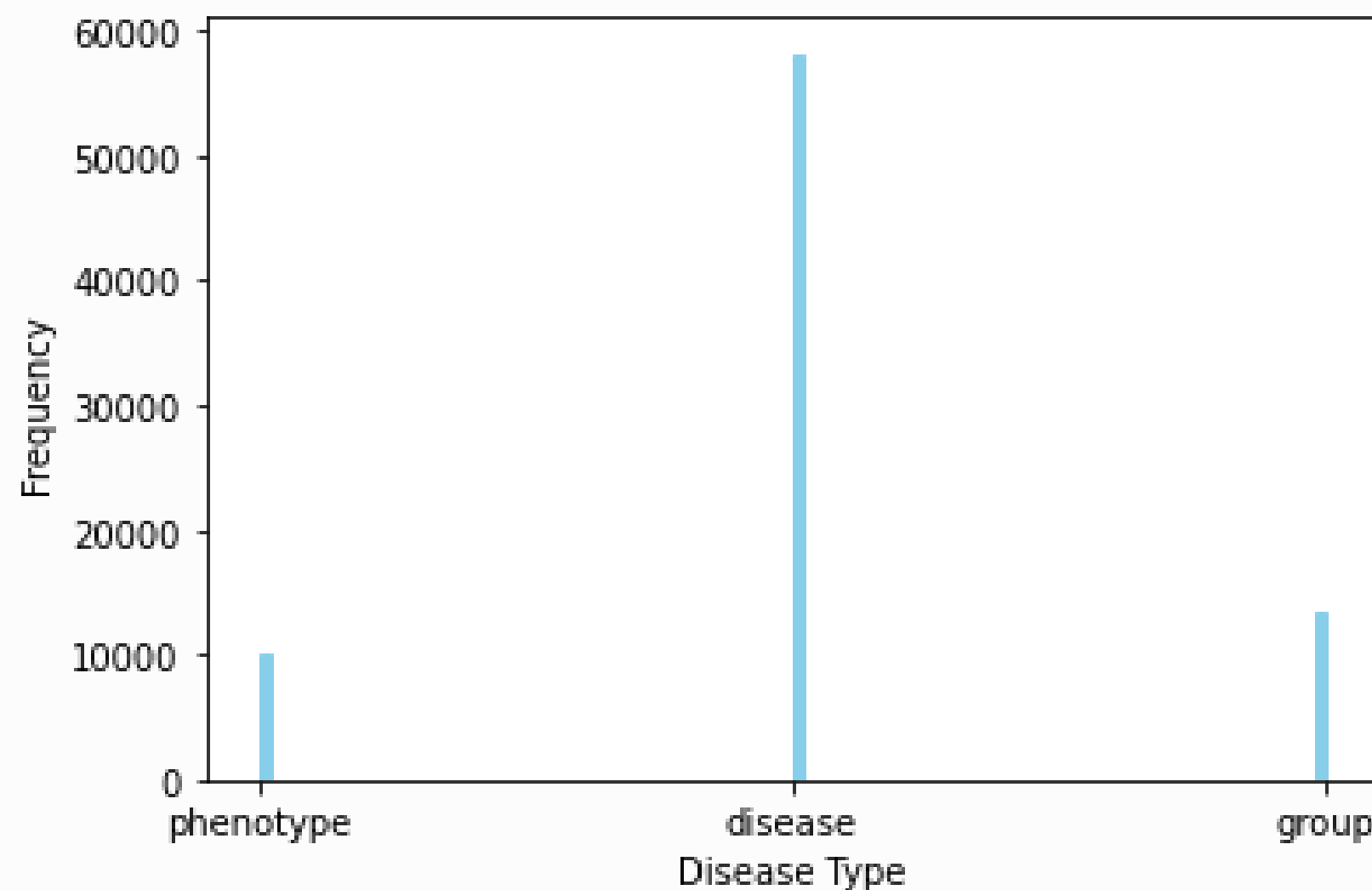
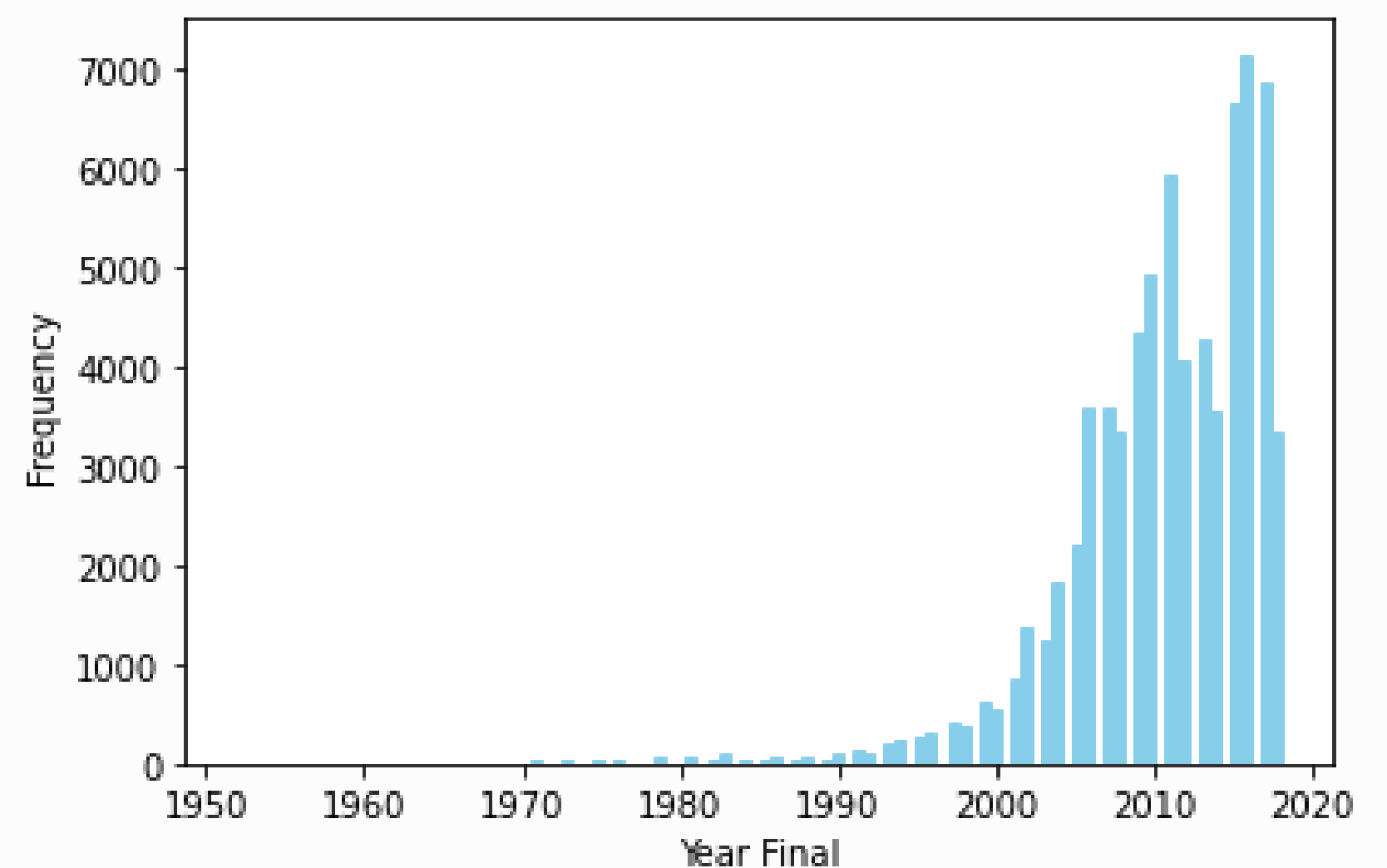
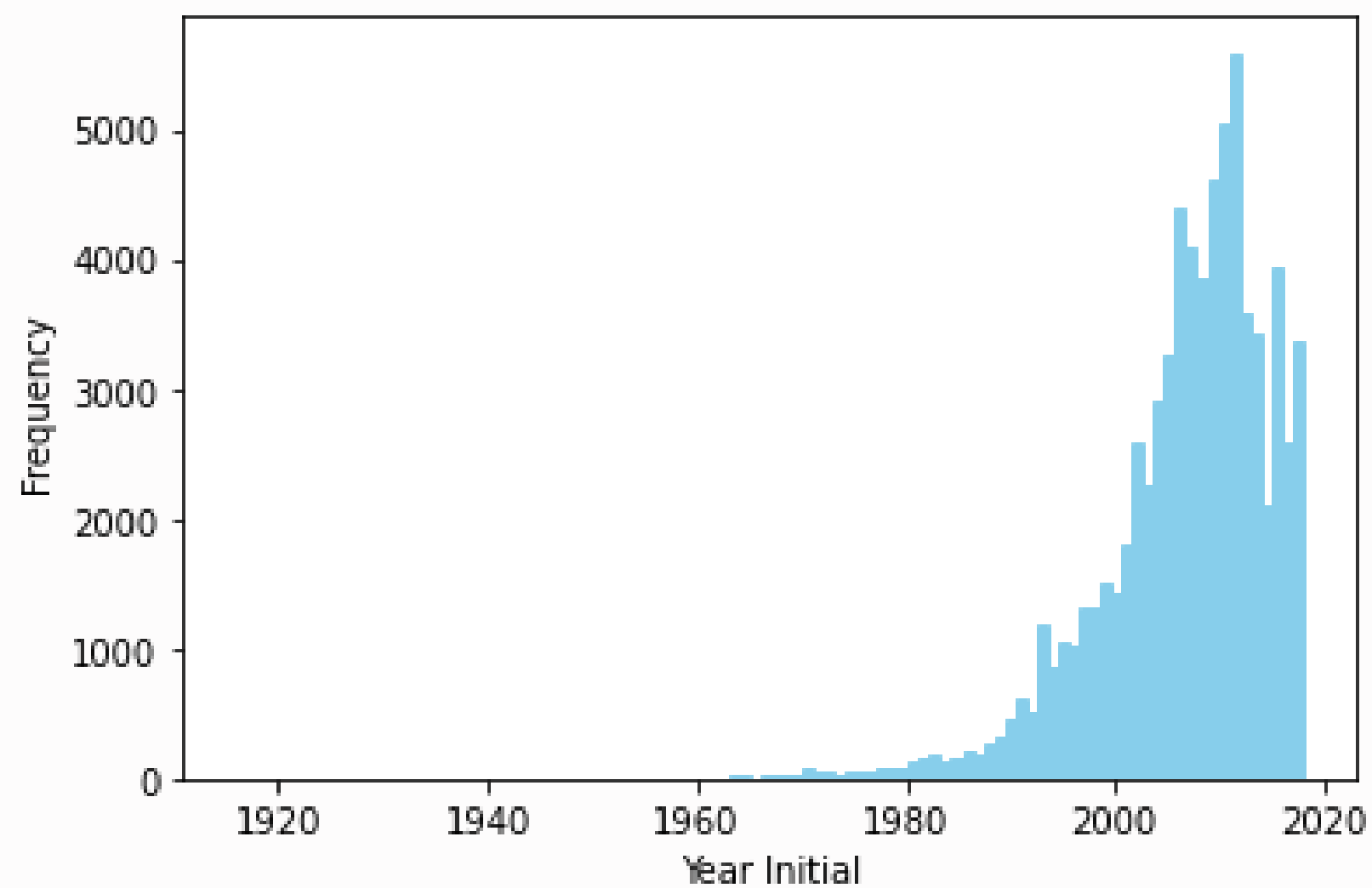
9411

Genes

10370

Diseases





Process

How data is
selected?

Score > 0.5
Recent years



Hypergeomitrec
Filter

Filter the low
probabilitis



Work with
Gephi

Filter and draw

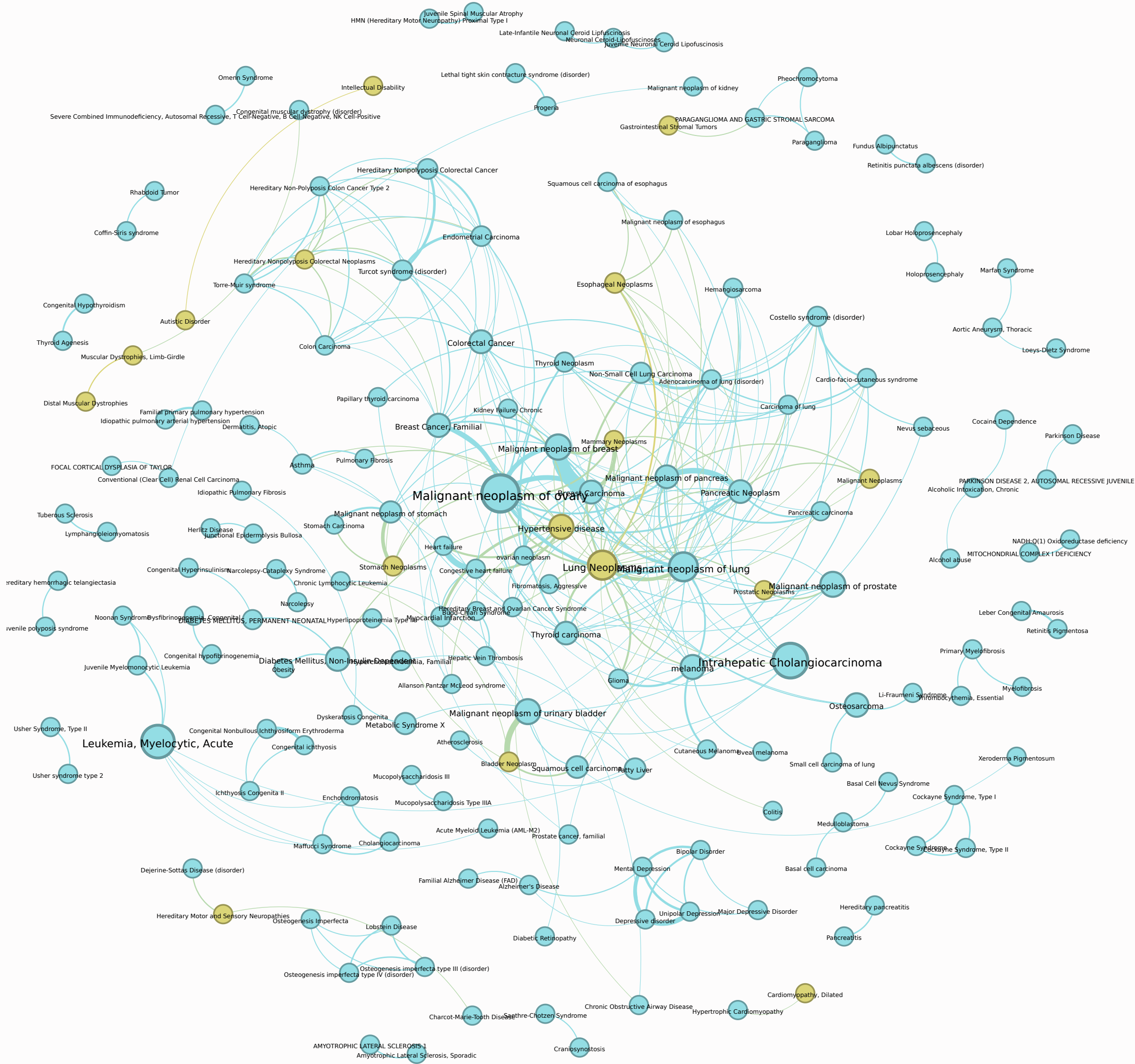
A Lucrative Industry

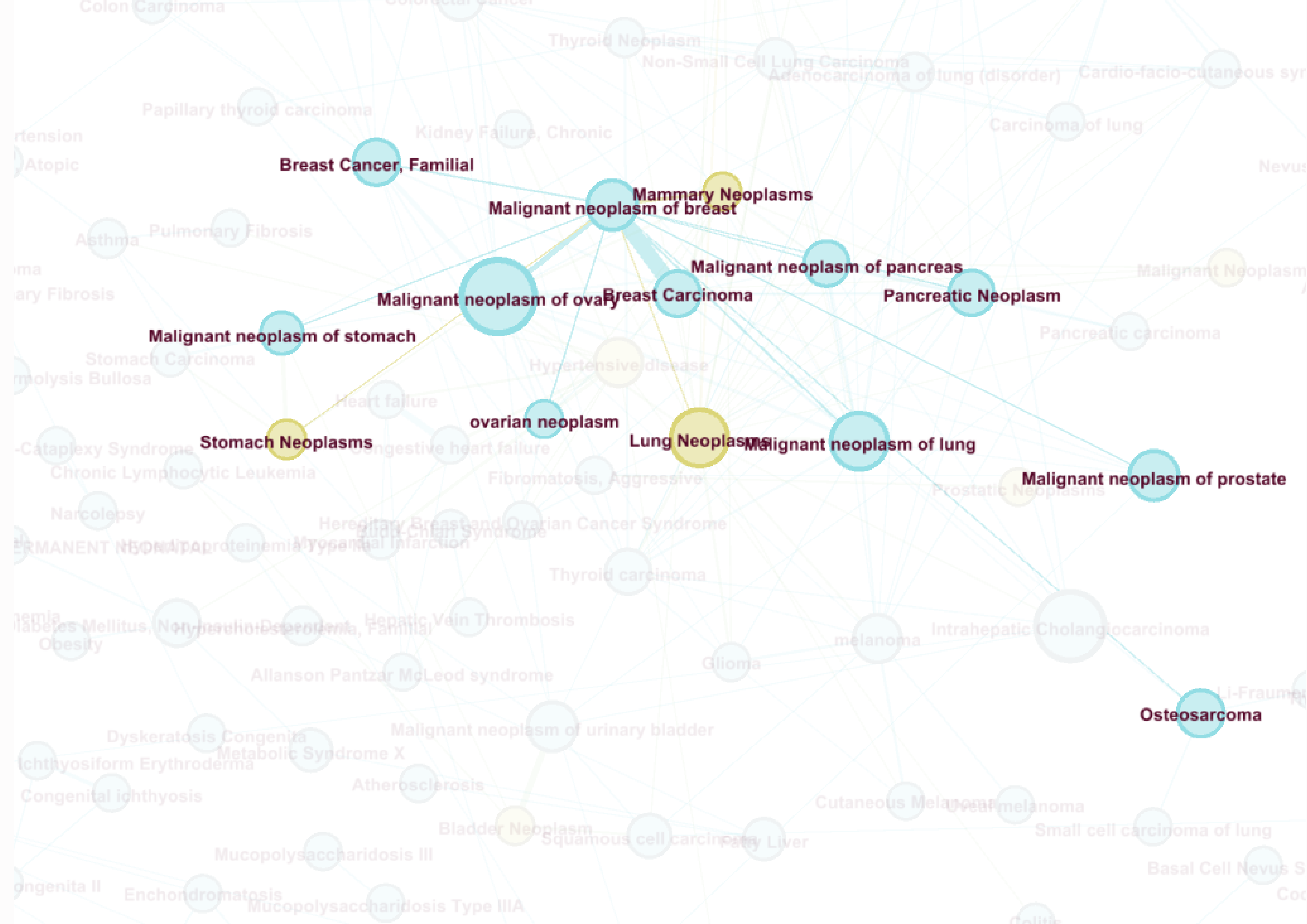
Diseases **Network**

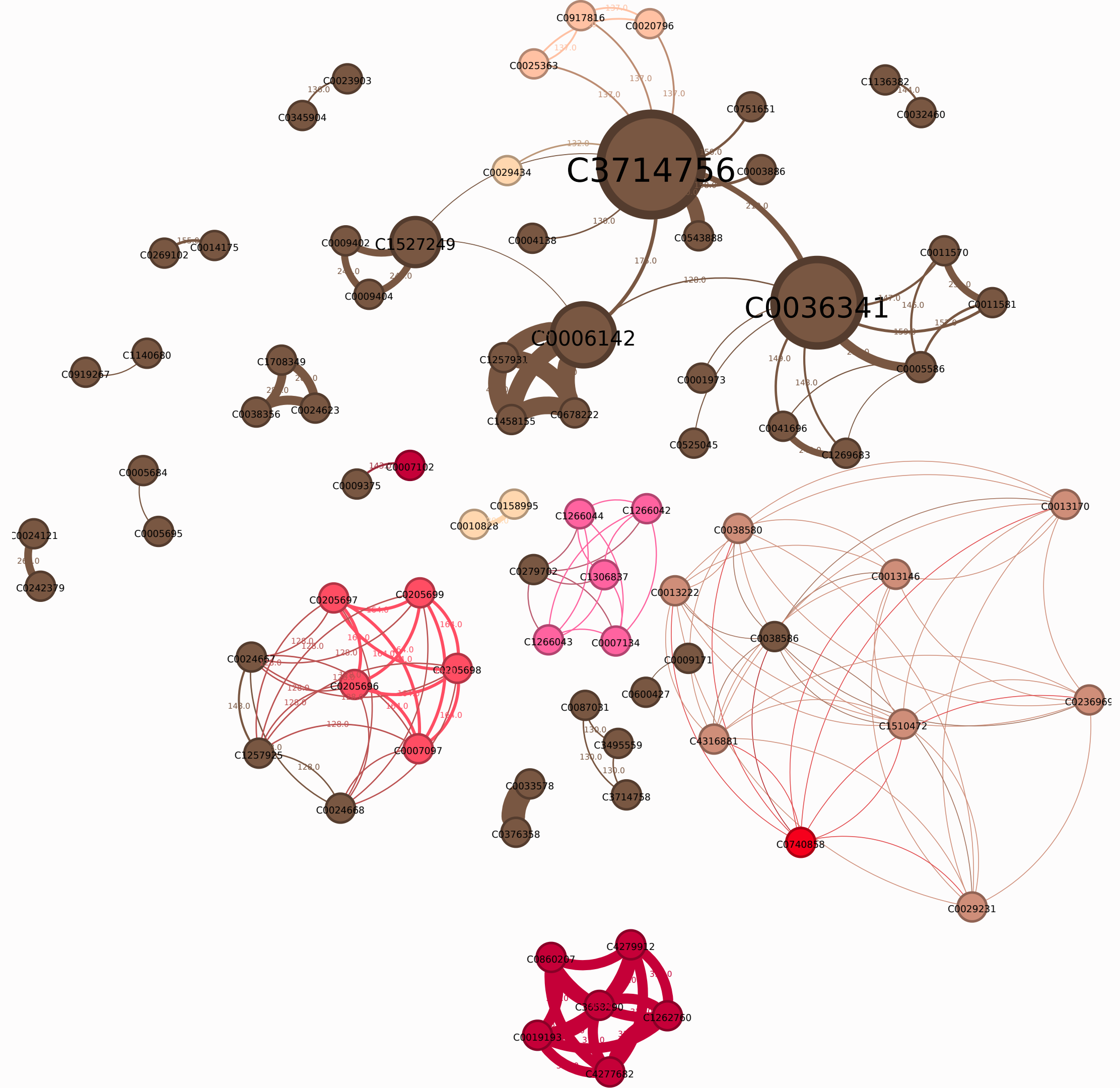
Nodes: 177
Edges: 311

Filter:
Wieght
Degree

Betweenness centrality









Thank you for your attension!

How is the score for a gene-disease pair, or variant-disease pair computed?

The DisGeNET score for GDAs takes into account the number and type of sources (level of curation, organisms), and the number of publications supporting the association, while the score for the VDAs takes into account sources, and number of papers. The scores range from 0 to 1.