Neo4j Practice خرداد ۹۹

[NOTE: The following questions apply to the results from the "Practicing Graph Analytics in Neo4j With Cypher" Assignment using the dataset titled 'gene_gene_associations_50k.csv'.

1. What is the number of nodes returned?

2. What's the number of edges?

3. The number of loops in the graph is:

4. The query match (n)-[r]->(m) where m <> n return distinct n, m, count(r) gives us what?

5. The query match (n)-[r]->(m) where m <> n return distinct n, m, count(r) as myCount order by myCount desc limit 1 produces what?

6. The query match p=(n {Name:'BRCA1'})-[:AssociationType*..2]->(m) return p produces what?

7. How many non-directed shortest paths are there between the node named 'BRCA1' and the node named 'NBR1'?

8. The top 2 nodes with the highest outdegree are:

9. Applying the example queries provided to you, create the degree histogram for the network. How many nodes in the graph have a degree of 3?

What to check with your TAs?

For each of the above queries, submit the query which you gonna compose (if it's not given above) or your analysis (in text) which result to the answer of the above questions together with the answer to each question.