neo4j

GRAPH DATA SCIENCE LIBRARY

Graph Algorithms

Graph Visualization

Analytics

Graph Data Science

Feature Engineering

Data Exploration
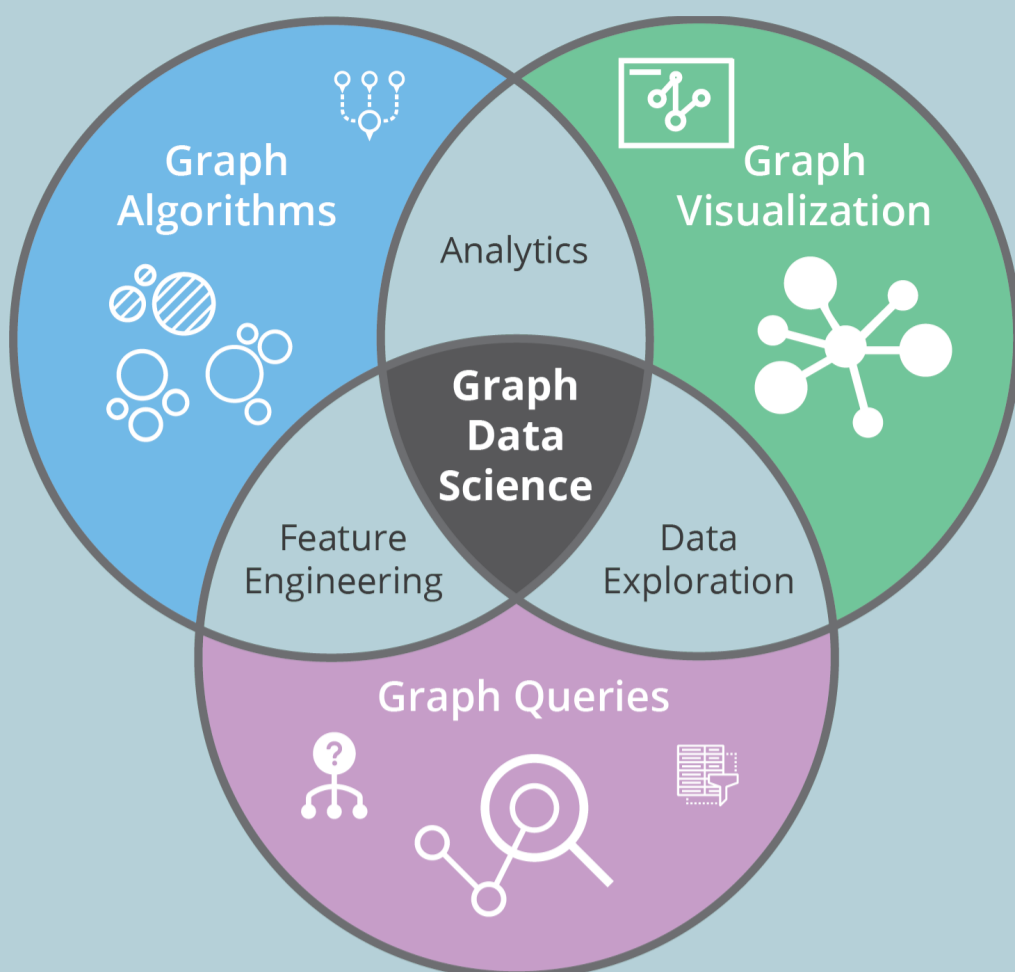
Graph Queries

7 QUICK TIPS TO GET MORE FROM THE GDS LIBRARY

VERIFY MEMORY NEEDS WITH ESTIMATE FUNCTION

Use the .estimate mode to give upper and lower bound for memory consumption. Estimate on a fictitious graph by creating and specifying a node and relationship count.

1

TRANSFORM YOUR GRAPH FOR SPECIFIC NEEDS

Project multiple types of nodes and relationships to an in-memory graph and apply algorithms to whichever types you specify. Transform relationship direction or aggregate them for deduplication or weighting.

2

APPLY FINE-GRAINED SECURITY WITH RBAC

The GDS Library respects whatever access controls you've applied to the underlying database (EE only). Produce a number of graphs that grant specific data access depending on the rights of the person running it.

3

TUNE YOUR ALGORITHMS WITH PARAMETERS

Use various settings to tune results and balance accuracy, consistency and speed. For example, thresholds set the numerical limits for the items returned in results or items to be included in calculations.

4

PRESERVE VERSIONING THROUGH .EXPORT

This exports and preserves your in-memory graph, including node labels, relationship types and properties. It's the most efficient way to interrogate in-memory graph and is faster than writing back to a full database.

5

BENEFIT FROM ALPHA TIER EXPERIMENTAL FEATURES

Get early access to new and experimental features, and provide us feedback. For example, there are now three proof of concept implementations of node embeddings in the alpha tier.

6

USE YOUR OWN ALGORITHMS WITH THE PREGEL API

Implement custom algorithms using Pregel with a mid-level Java API built for stability. This Neo4j API requires little knowledge about GDS internal architecture.

7

*If you're not already familiar with graph data science, check out helpful resources **here**.*

READY TO LEARN MORE?

WEBINAR: TIPS AND TRICKS TO GET THE MOST FROM GRAPH DATA SCIENCE IN THE ENTERPRISE

SIGN ME UP