


TIGERGRAPH ELEMENTS WORKSHOP

Graph Algorithm Fundamentals

Unlocking the true power of the TigerGraph platform



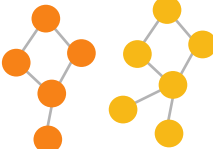

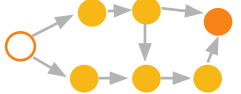

Building Solutions with Advanced Analytics and Data Intelligence

Many of today's data science functions are powered by graph algorithms. Graph algorithms provide advanced analytics and data intelligence to create powerful solutions that are far-reaching in modern technology centers. TigerGraph enables such solutions to drive innovation and solve critical business problems efficiently. During this workshop, we'll explore some of the algorithms that make this possible.

Graphs are non-linear data structures consisting of vertices and edges used to model relationships between objects like people, places, and things. Many of today's common platforms use these models, including social networks, search engines, and enterprise tools like fraud detection, customer experience, and supply chain analysis products.

TigerGraph Elements workshops are expert-led, interactive sessions designed to help organizations understand the possibilities graph technology offers and build innovative, powerful graph-based solutions that fit their unique business needs.

Over 70 algorithms that span Dependencies, Clustering, Similarity, Matching / Patterns, Flow, Centrality, and Search

<p>Dependencies</p> <ul style="list-style-type: none"> • Failure Chains • Order of operation 	<p>Clustering</p> <p>Finding things closely related to each other (friends, fraud)</p> 	<p>Similarity</p> <p>Similar paths or patterns</p> 
<p>Matching/Patterns</p> <p>Highlight variant of dependencies</p> 	<p>Flow</p> <p>Find distribution problems, efficiencies</p> 	<p>Centrality, Search</p> <p>Which nodes are the most connected or relevant</p> 



Getting Hands-on with Graph Algorithms

The Graph Algorithm Fundamentals workshop gives you the opportunity to work with graph algorithms using GraphStudio, GSQL, and TigerGraph's Graph Data Science library in a hands-on, interactive environment. Over the course of a few hours you'll learn to create, deploy, and enable advanced analytics and data intelligence within the TigerGraph platform.

Prior to running the Graph Algorithm Fundamentals workshop, we recommend holding the Graph Database Fundamentals workshop as a prerequisite.

During the workshop, you'll become familiar with the GSQL query language to implement graph algorithms, including:

- PageRank
- Recommendations
- Similarity
- Centrality
- Community detection

REQUEST A TIGERGRAPH WORKSHOP TODAY

Are you interested in scheduling a Graph Algorithm Fundamentals workshop or any of our other Elements workshops? Contact your customer success team at csg@tigergraph.com to get started.

About TigerGraph

TigerGraph is the world's fastest graph analytics platform designed to unleash the power of interconnected data for deeper insights and better outcomes. TigerGraph fulfills the true promise and benefits of the graph platform by tackling the toughest data challenges in real time, no matter how large or complex the dataset. TigerGraph supports applications such as IoT, AI and machine learning to make sense of ever-changing big data.

For more information, follow the company on [@TigerGraphDB](https://twitter.com/TigerGraphDB) or visit us at www.tigergraph.com
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