



## TIGERGRAPH ELEMENTS WORKSHOP

# Data Science Lab

Demystifying business analytics with artificial intelligence and machine learning.

### World-class Data Scientists Guide Your Success

Data science workshops are delivered by TigerGraph's team of leading data scientists. Our team guides your data scientists, analysts, and data platform administrators to crack your top business challenges and opportunities identified during our Discovery Workshop. Over the course of this workshop we show you how to implement the appropriate analytical methods on datasets using the full range of capabilities of the TigerGraph Analytics Platform.

### Tackling Data Challenges with Big Data Advanced Analytics

The Data Science Lab is a tailored package of services, technology, and training delivered by TigerGraph's team of leading data scientists. During the workshop, your analytics stakeholders and data platform leadership work in partnership with TigerGraph's team of statisticians and modelers to solve real business problems using Big Data advanced analytics.

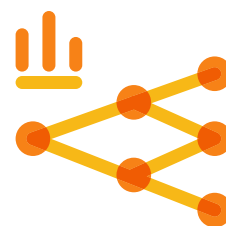
Prior to running the Data Science Lab workshop, we recommend holding the Graph Algorithm Fundamentals and Discovery workshops as prerequisites.

### These collaborative projects can include:

- Studies to build analytical insight regarding key business problems
- Development of analytics roadmaps
- Data asset study and validation
- Scoping and initial development of analytics application and algorithms
- Alignment of analytics goals with business needs.

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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.



## Modeling and Statistics Tools

Your analysts will likely employ a wide variety of analytics, development, and business intelligence tools. TigerGraph workshops are unique in the broad array of these technologies and approaches that our data scientists can support, including:

- Graph data science library
- Python
- Jupyter Notebook.

## Techniques for Accelerating Agile Analytics

Graph analytics has proven to be a powerful platform for Big Data; however, optimizing analytics requires new techniques to harness TigerGraph's massively parallel computational capabilities. During a data science workshop, we can help your team apply a variety of new techniques quickly to help you bring the power of parallelism to commonly used modeling and embedded analytic functions, including:

- Embedded analytic functions that TigerGraph is dedicated to and supports, including matrix operations, multiple linear regressions, and Bayesian statistics
- Graph Data Science Algorithms by internet giants like Facebook and Google.

## Immediate Value

Participating in the Data Science Lab workshop will help your organization:

- **Solve critical business problems** using advanced analytics
- **Advance new methodologies**
- **Learn and apply graph techniques and algorithms** to analytics that show how entities such as people, places, and things are related to each other
- **Uncover more insights** from your data
- **Train in graph modeling**, graph algorithms, graph analytics, and graph machine learning
- **Build a roadmap** for deeper insights and continuous analytics
- **Gain direct access** to TigerGraph Data Science experts to help guide your graph journey.

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## REQUEST A TIGERGRAPH WORKSHOP TODAY

Are you interested in scheduling one or more TigerGraph Elements workshops? Contact your customer success team at [csg@tigergraph.com](mailto: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](http://www.tigergraph.com)  
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