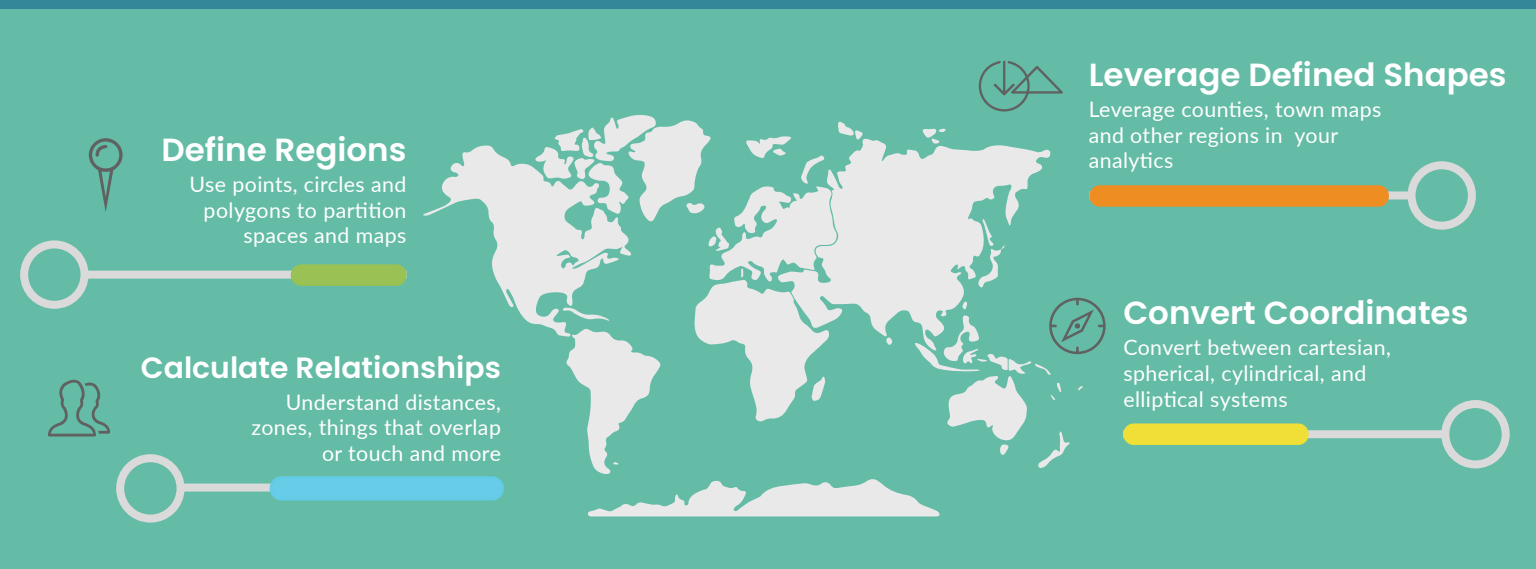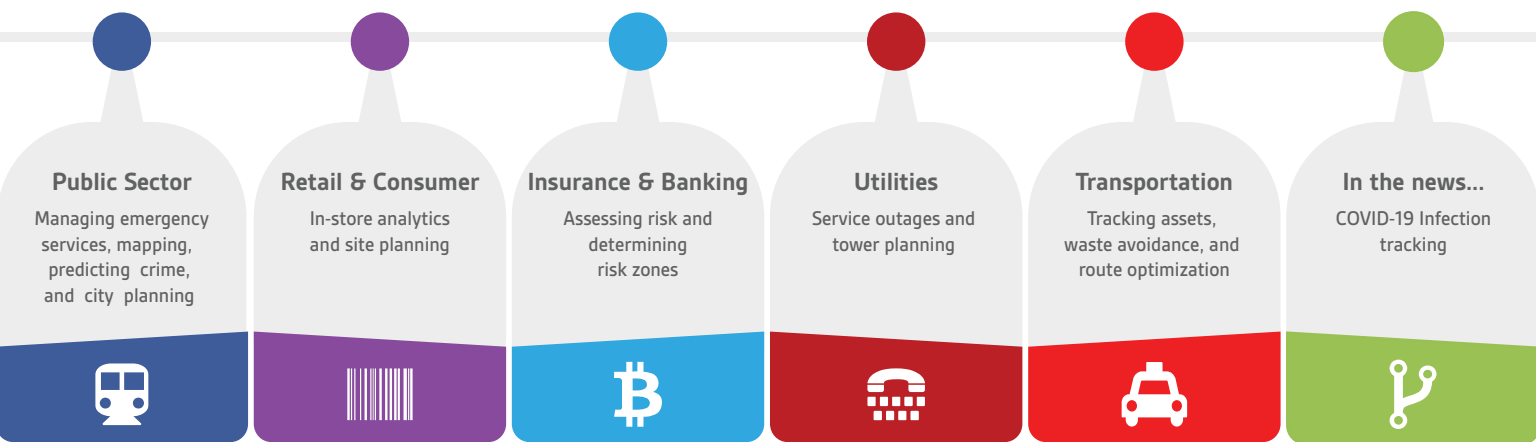# CAMBRIDGE SEMANTICS

ANZOGRAPH® DB

Geospatial Knowledge Graphs

Getting More Value with a Graph Database and Geospatial

Geospatial is about understanding the relationships between [people, things and events] and their location. Understanding that relationship can lead to increased sales, greater efficiency and compliance.
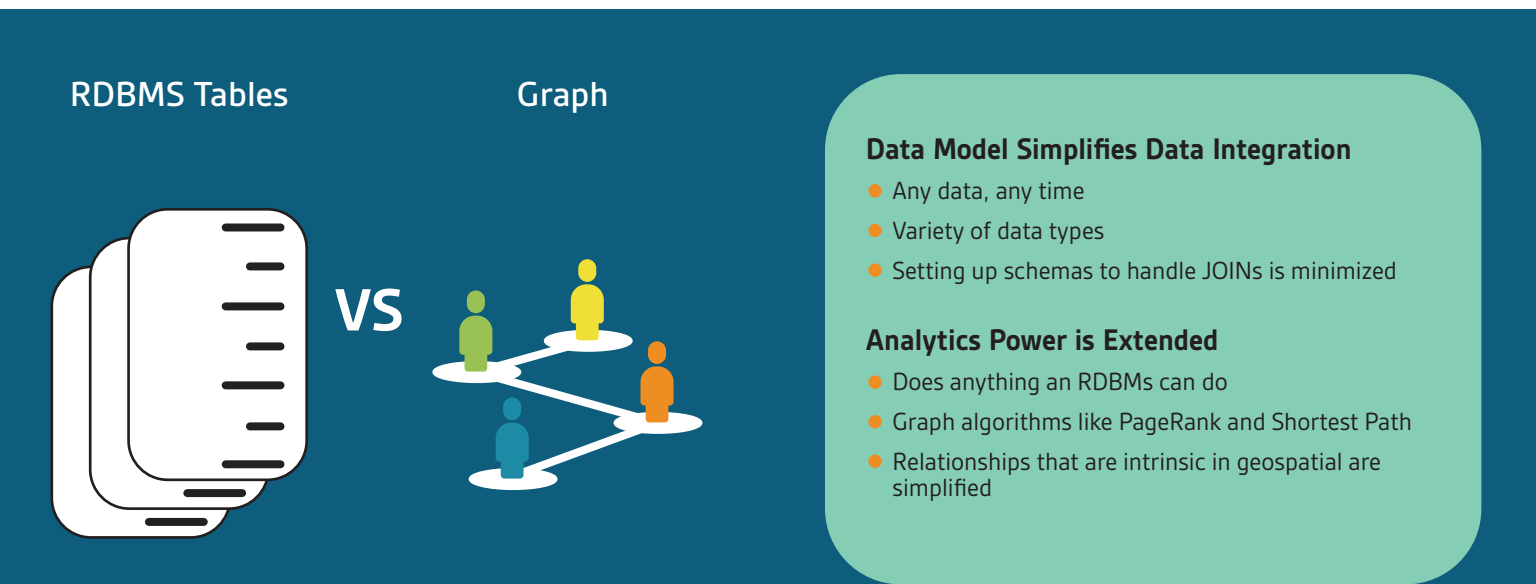
Define Regions
Use points, circles and polygons to partition spaces and maps

Calculate Relationships
Understand distances, zones, things that overlap or touch and more

Leverage Defined Shapes
Leverage counties, town maps and other regions in your analytics

Convert Coordinates
Convert between cartesian, spherical, cylindrical, and elliptical systems

Uses for Geospatial Analytics

Public Sector
Managing emergency services, mapping, predicting crime, and city planning

Retail & Consumer
In-store analytics and site planning

Insurance & Banking
Assessing risk and determining risk zones

Utilities
Service outages and tower planning

Transportation
Tracking assets, waste avoidance, and route optimization
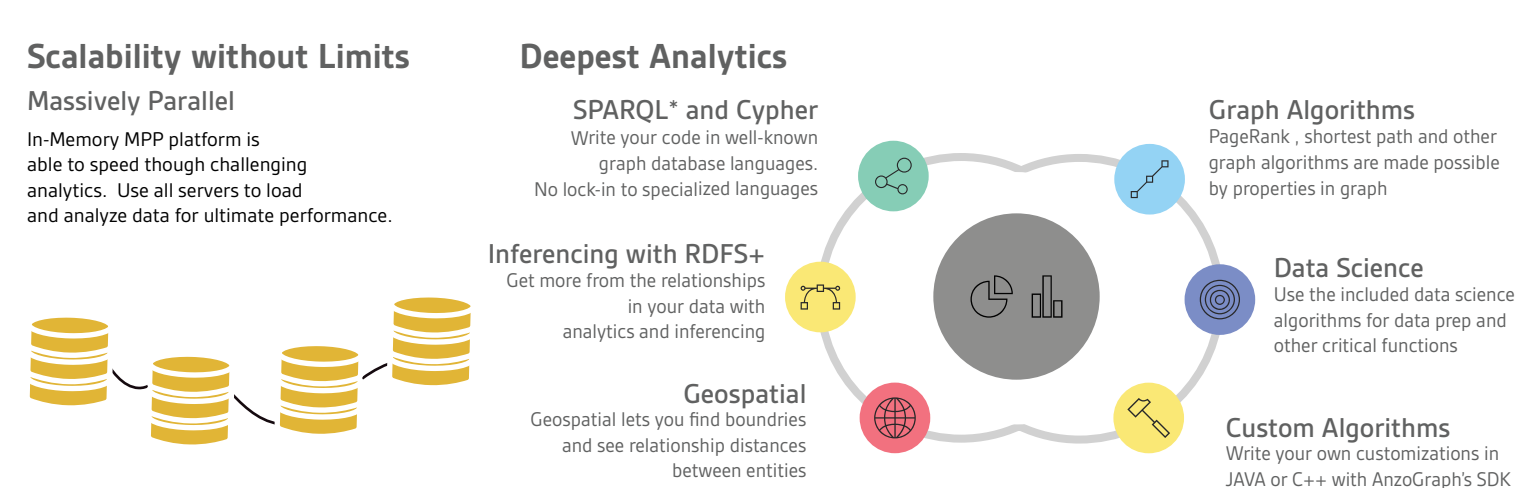
In the news...
COVID-19 Infection tracking

Why a Graph Database for Geospatial?

Since geospatial is a relationship between things and places, a graph database is better suited to manage the data models necessary to track the relationship.

RDBMS Tables   Graph

VS

Data Model Simplifies Data Integration
- Any data, any time
- Variety of data types
- Setting up schemas to handle JOINs is minimized

Analytics Power is Extended
- Does anything an RDBMs can do
- Graph algorithms like PageRank and Shortest Path
- Relationships that are intrinsic in geospatial are simplified

AnzoGraph DB Unique Value

Scalability without Limits
Massively Parallel

In-Memory MPP platform is able to speed though challenging analytics. Use all servers to load and analyze data for ultimate performance.

Deepest Analytics

SPARQL* and Cypher
Write your code in well-known graph database languages. No lock-in to specialized languages

Inferencing with RDFS+
Get more from the relationships in your data with analytics and inferencing

Geospatial
Geospatial lets you find boundries and see relationship distances between entities

Graph Algorithms
PageRank , shortest path and other graph algorithms are made possible by properties in graph

Data Science
Use the included data science algorithms for data prep and other critical functions

Custom Algorithms
Write your own customizations in JAVA or C++ with AnzoGraph's SDK

AnzoGraph DB Free Version is available on

AnzoGraph.com

Free for commercial and non-commercial use for up to 16 GB.