Mitigating Risk of Natural Disasters with Accelerated Analytics

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Agenda

- OmniSci Overview
- The Challenge
- Demonstration
- Q&A
Modern Data and Analytics Obstacles

Spatiotemporal
• What + When + Where

Always On
• Velocity + Volume

Multi-perspective
• Internal + External Data Sources
OmniSci Advanced Analytics & Visualization

Interactivity
• Answers in milliseconds

Scalability
• Over billions of data points

Agility
• Requiring the fewest steps
The Challenge

Protect the most vulnerable communities from the devastating impacts of wildfires

Data

- Social Vulnerability Index
- California Building Footprints
- California 4 and 8 Foot Flame Probabilities
- Wildland-Urban Interface
- Electrical Transmission Lines
- LiDAR and Multispectral Imagery
- Wind Speed and Direction
DEMO
Q&A
OmniSci Free is a full-Stack offering that includes OmniSci’s lightning fast database, rendering engine, and Immerse visual analytics platform. Users can switch seamlessly between scalable SQL, visual analytics, and data science workflows.

OmniSci Free Overview:
- OmniSci Free is licensed for commercial use, with the exception of paid hosting
- 32GB memory capacity
- Up to 3 active user sessions

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