Understanding GIS Analysis

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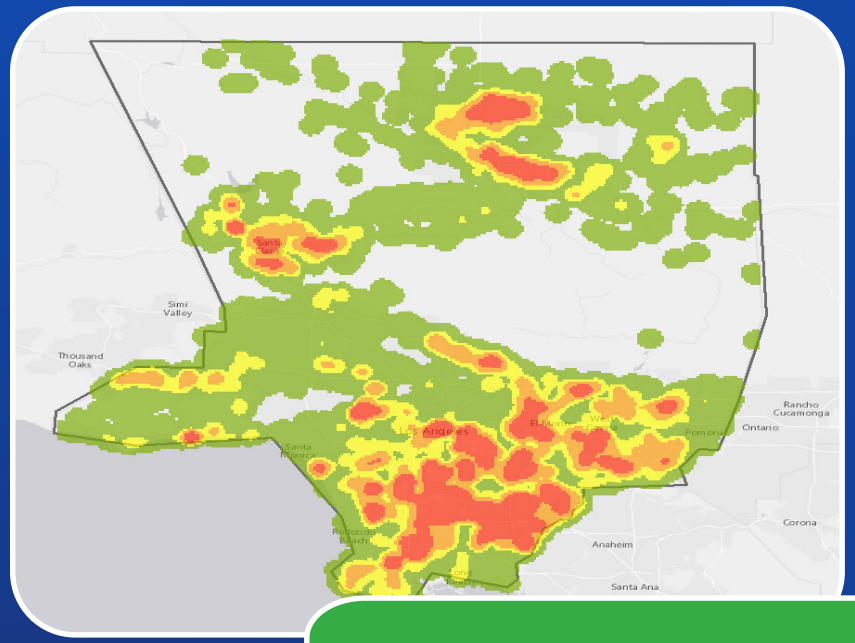
SEE
WHAT
OTHERS
CAN'T

Topics

- Overview
- Demos and examples
  - Various types of spatial analysis
  - From basic to more advanced
  - Mixed ArcGIS products
- Take away points

Overview

Spatial Analysis



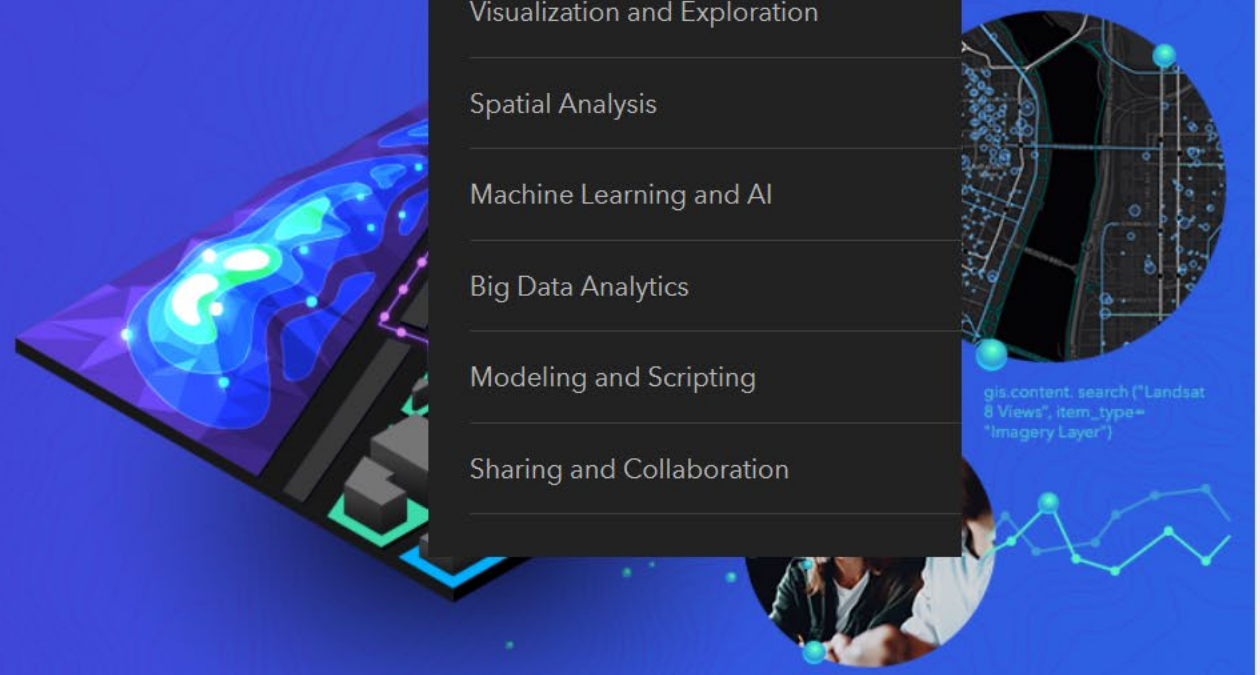
Discover spatial patterns

Make informed decisions

- Data Engineering
- Visualization and Exploration
- Spatial Analysis
- Machine Learning and AI
- Big Data Analytics
- Modeling and Scripting
- Sharing and Collaboration

Spatial Analysis and Data Science

Analysis with The Science of Where

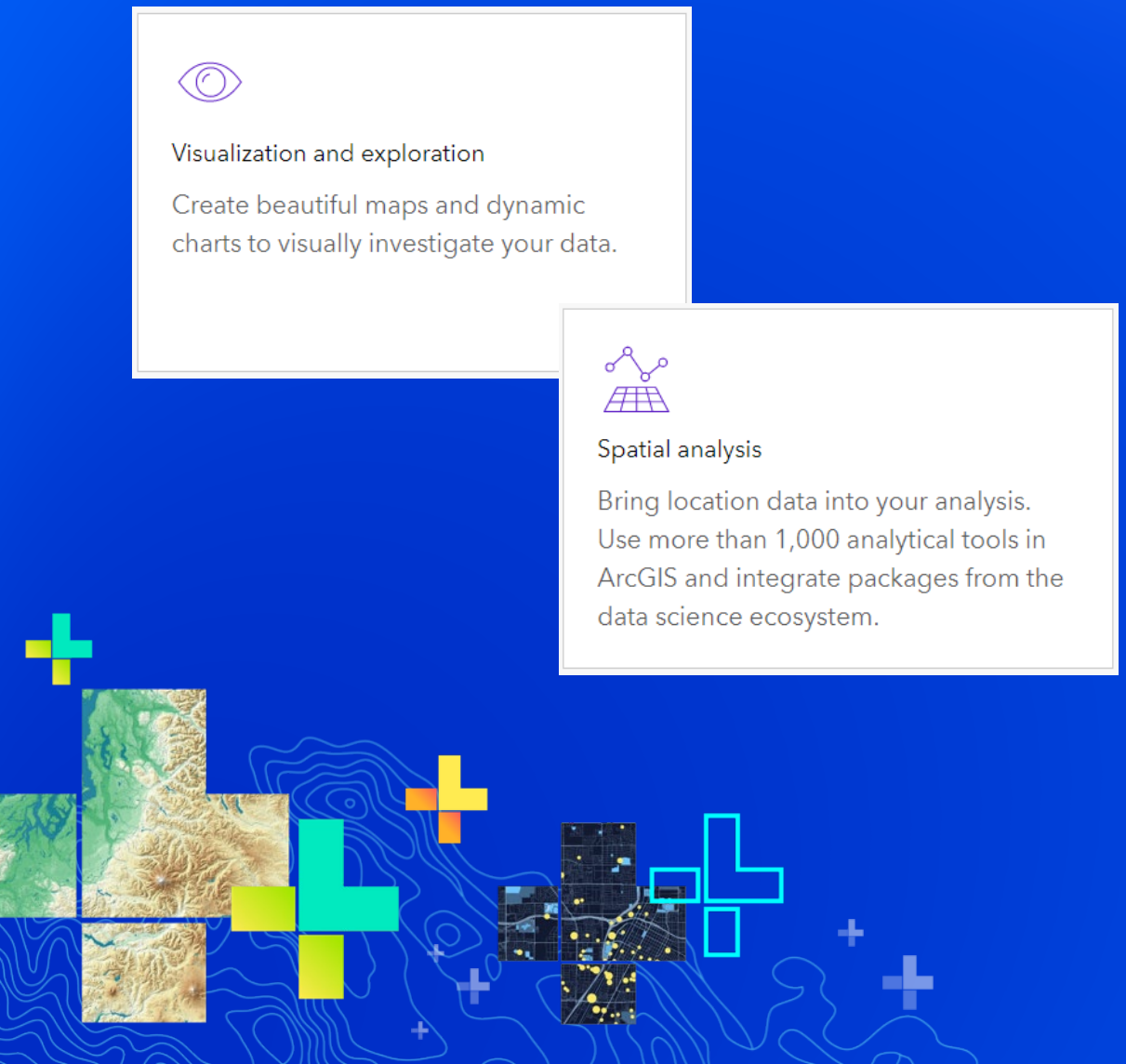


Demos and Examples

Data engineering

Use out-of-the-box tools and data science libraries to read, transform, clean, and enrich your data.

- Available Geoprocessing tools to read, transform, and clean data from different sources and format
- Access to the extensive collection of authoritative, ready-to-use global content
- Powerful interpolation and geoenrichment techniques to fill-in missing data
- Integrate methods from third party data science libraries



Multi-product analysis: Insights and ArcGIS Online

Insights workshops

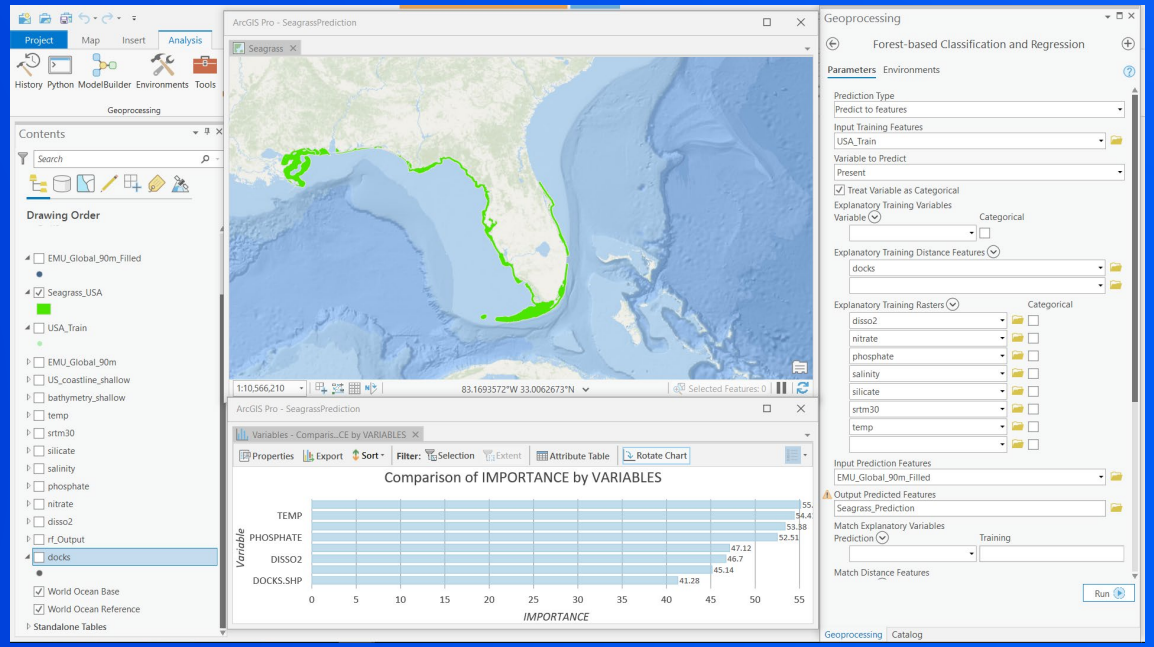
- Insights for ArcGIS: Data Visualization, Analysis, and Science
  - Wednesday 1:00pm-2:00pm Room 01 A/B
  - Friday 9:00am-10:00am Room 03
- Insights for ArcGIS – An Introduction
  - Wednesday 10:00am-11:00am Room 01 A/B
  - Friday 9:00am-10:00am Room 04
- Insights for ArcGIS: Best Practices
  - Wednesday 4:00pm-5:00pm Room 04

Spatial analysis

Bring location data into your analysis. Use more than 1,000 analytical tools in ArcGIS and integrate packages from the data science ecosystem.

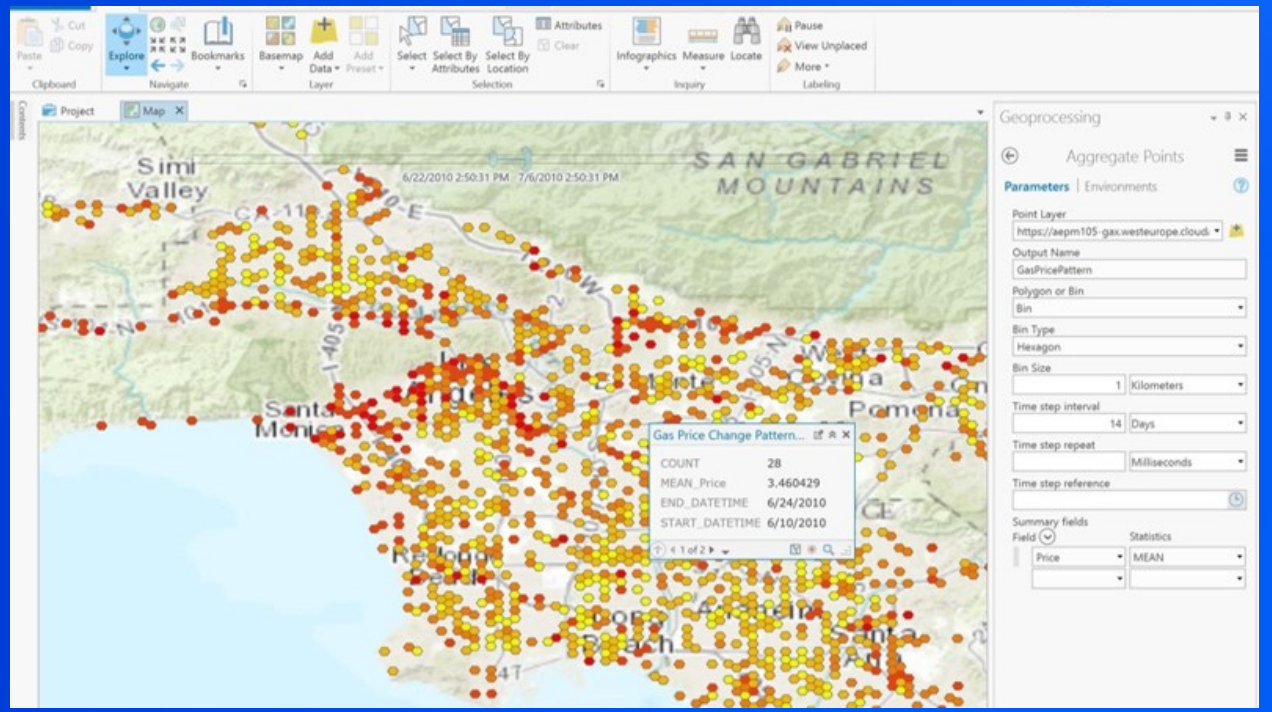
Machine learning and artificial intelligence

Easily integrate spatial analysis into machine learning models to solve complex spatial problems.



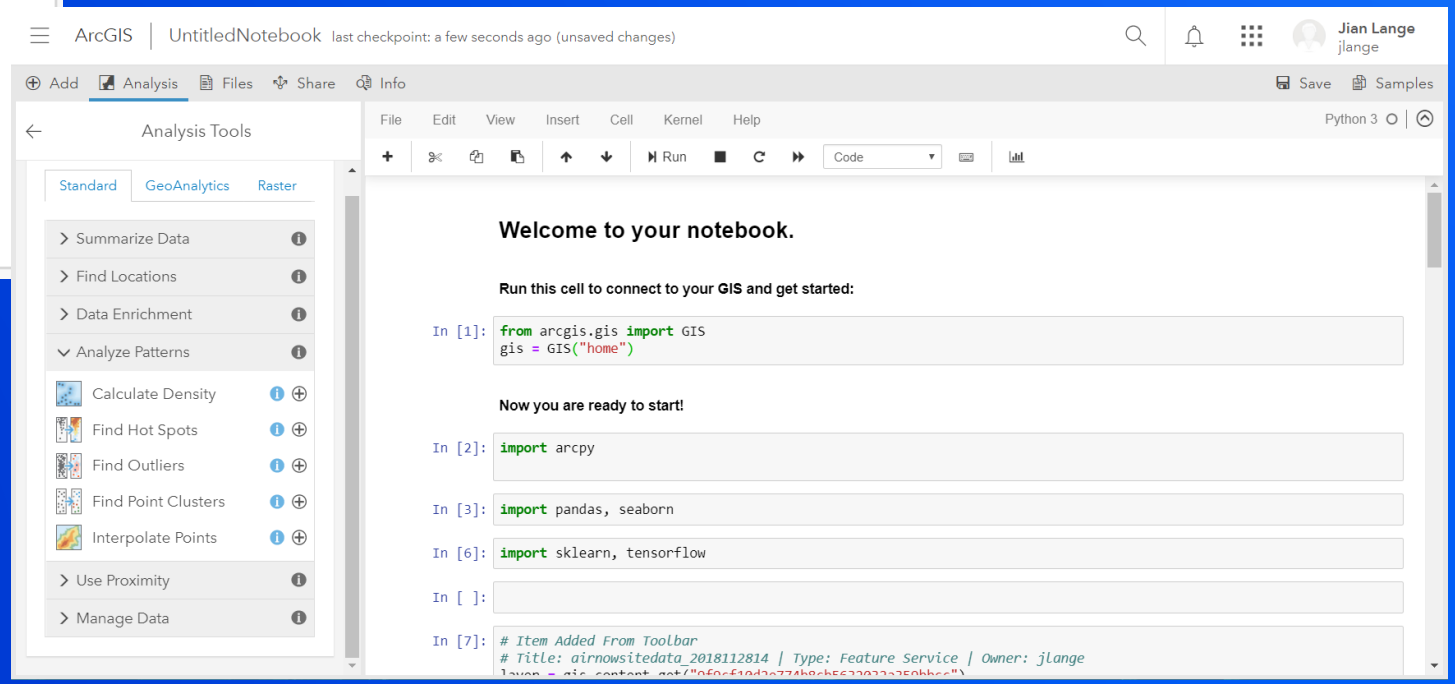
Big data analytics

Transform massive spatial data into manageable information. Analyze and display large volumes of streaming data.



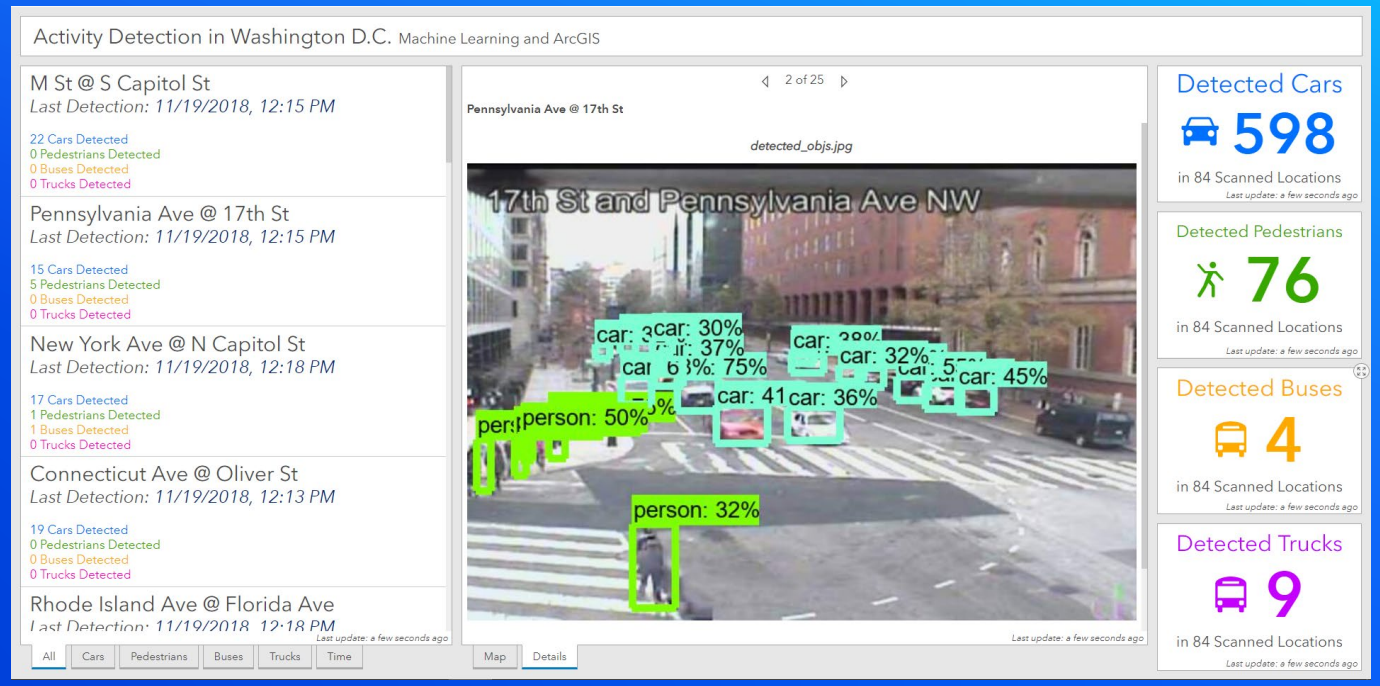
Modeling and scripting

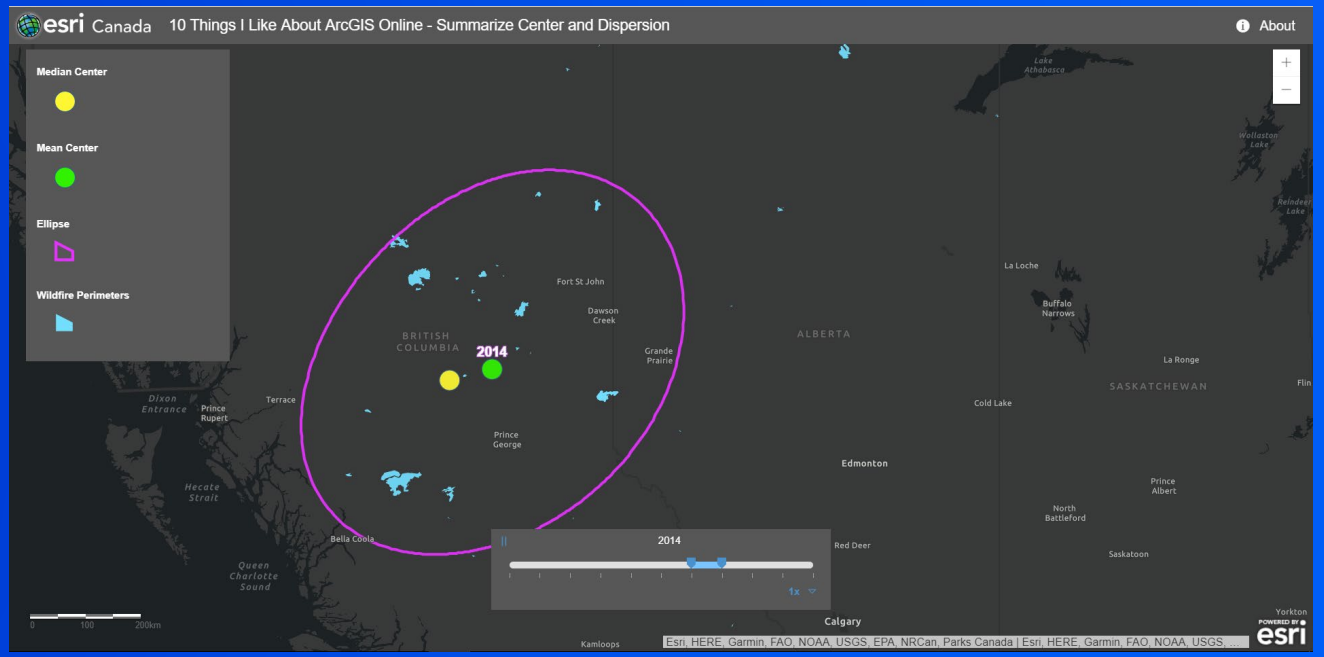
Automate processes and extend functionality using ArcGIS, Python, and other data science packages.



Sharing and collaboration

Effectively communicate and share complex analysis results through visually stunning maps and apps.





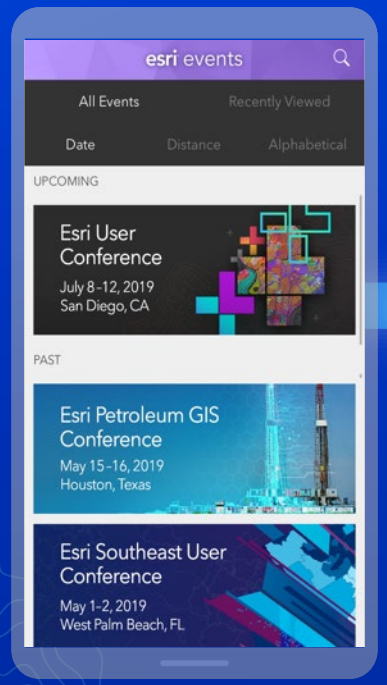
Take Away Points

Take away points …

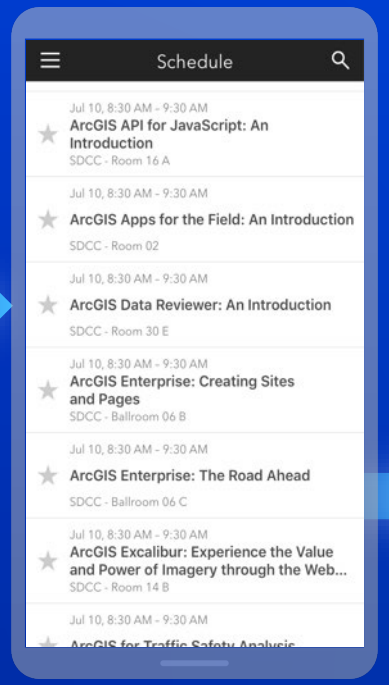
- Spatial Data Science brings the true power of GIS
- ArcGIS is a comprehensive analytics platform, provides an analysis experience for everyone
- Esri continues to advance Spatial Data Science and make location intelligence available to all

Please Share Your Feedback in the App

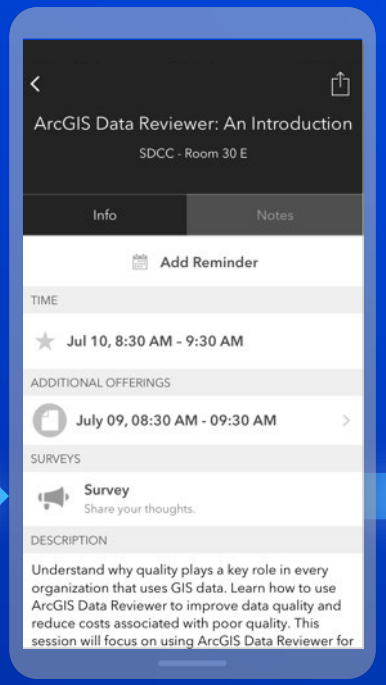
Download the Esri Events app and find your event



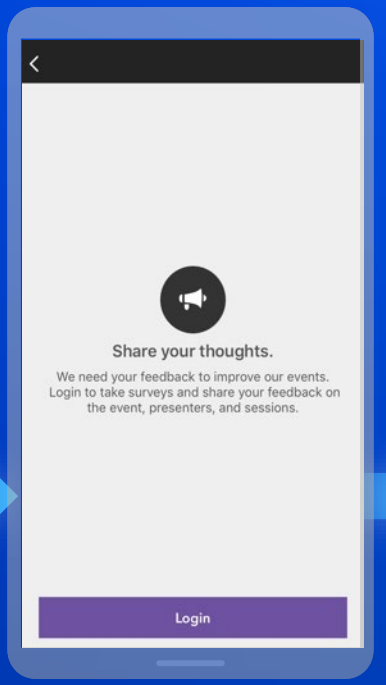
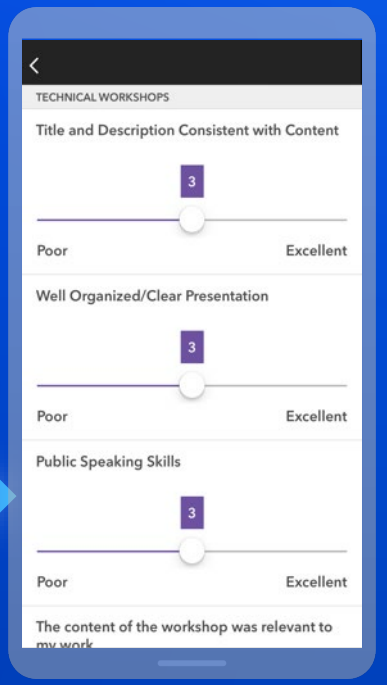
Select the session you attended



Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"