ArcGIS Insights: Scripting with Python and R

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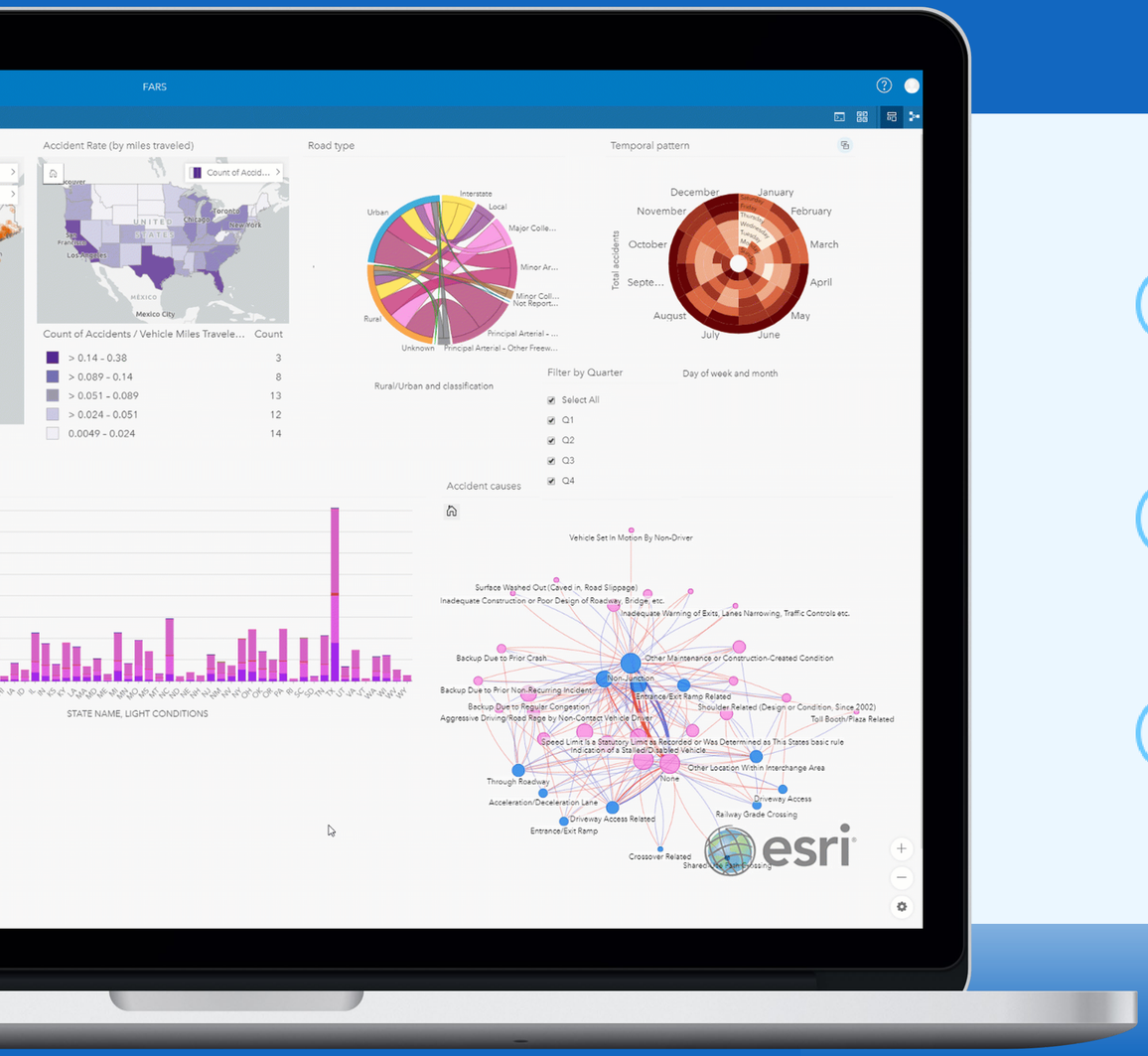
DEVELOPER SUMMIT



- Provides self-service visual analytics for multiple data types and sources
- Visualizations can be quantified using the accompanying descriptive statistics
- Exploratory analysis can be extended with graph analysis, predictive modeling and open data science

Deployment and data options

ENTERPRISE

ONLINE

DESKTOP

DATA

Feature layers
GeoDatabases
Shapefiles
GeoJson
Excel
CSV

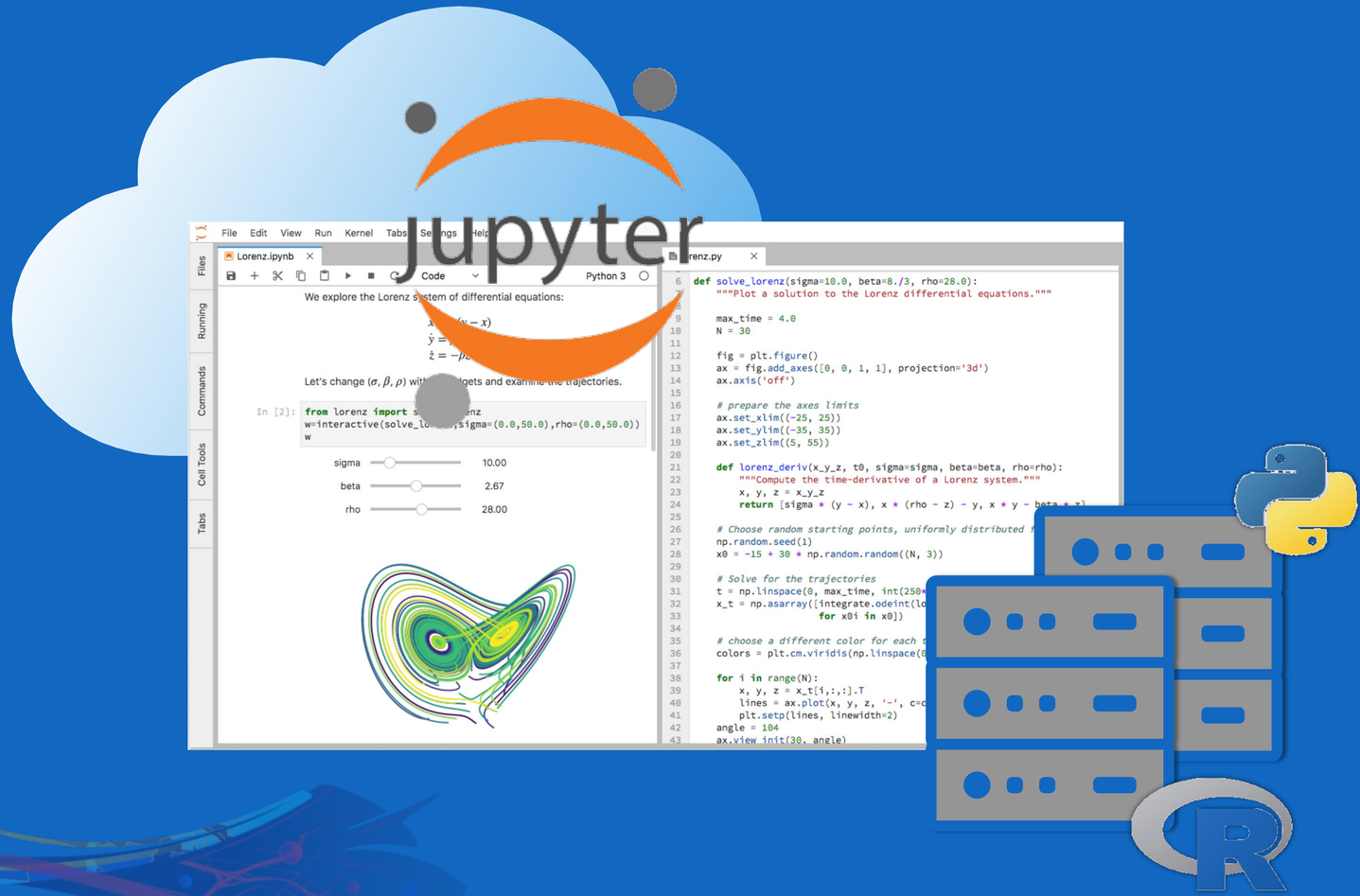
DATABASES (spatial or non-spatial tables)

Microsoft SQL Server
ORACLE
PostgreSQL
SAP HANA

OPEN SOURCE

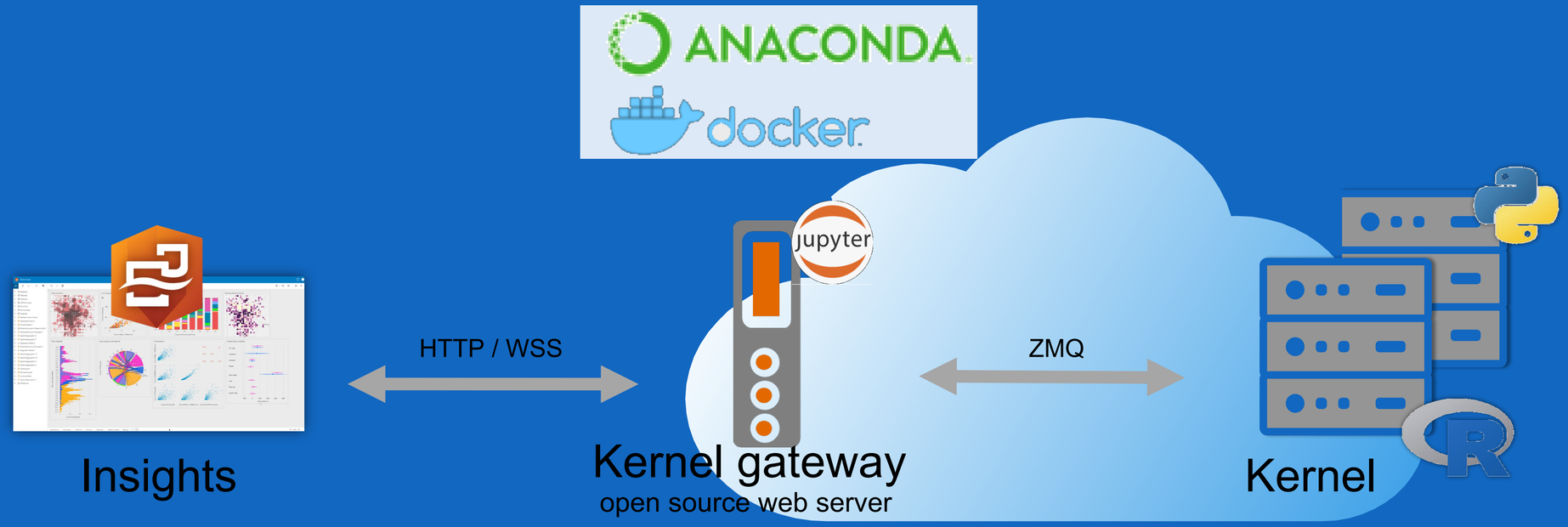
Python scripts
Python notebooks
R scripts

ArcGIS Insights and data science



Connecting to Python/R

Connect to your own Python and R kernels to extend analysis and visualization using both open-source software platforms.



Extend your analysis using Python and/or R. Incorporate visualizations as cards. Manage your data.

Use the scripting editor to add scripts to models, save sessions and more…

Uses of scripting in Insights

01

DATA ENGINEERING

Prepare and manipulate data easily. Connect to databases an APIs.

02

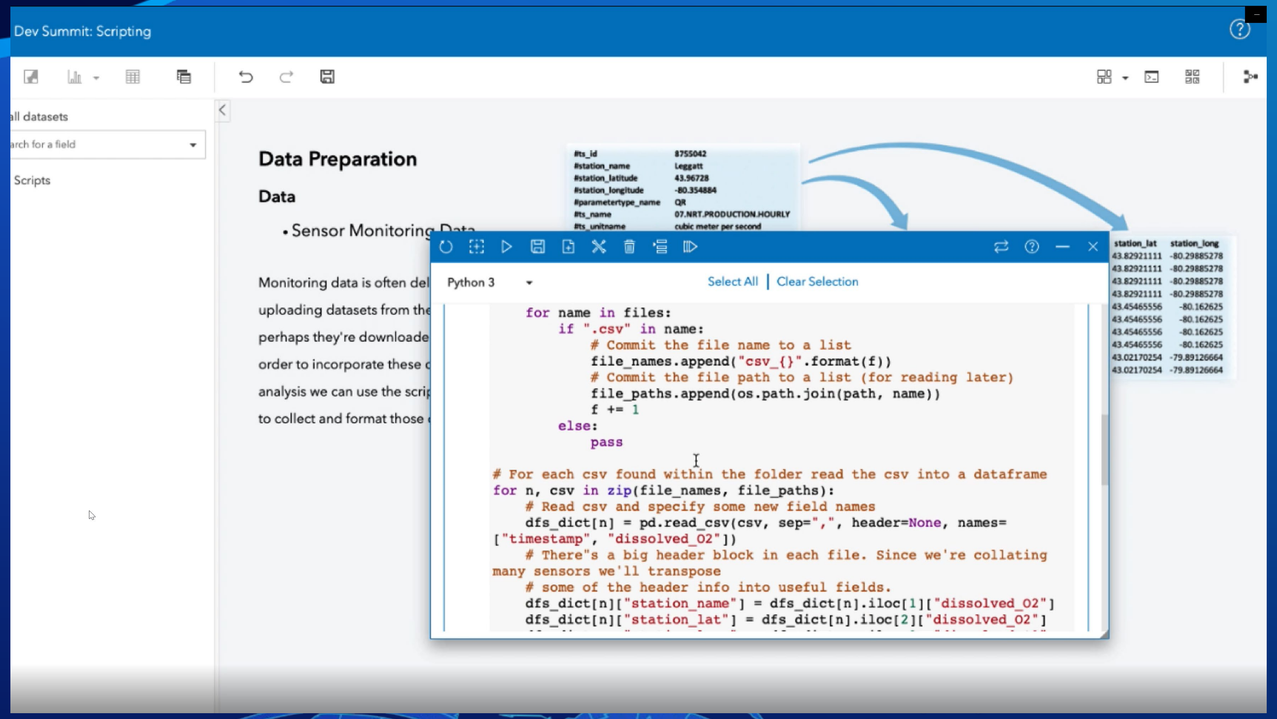
ANALYTICS

Use specific functions in python and or R to extend Insight's analytics

03

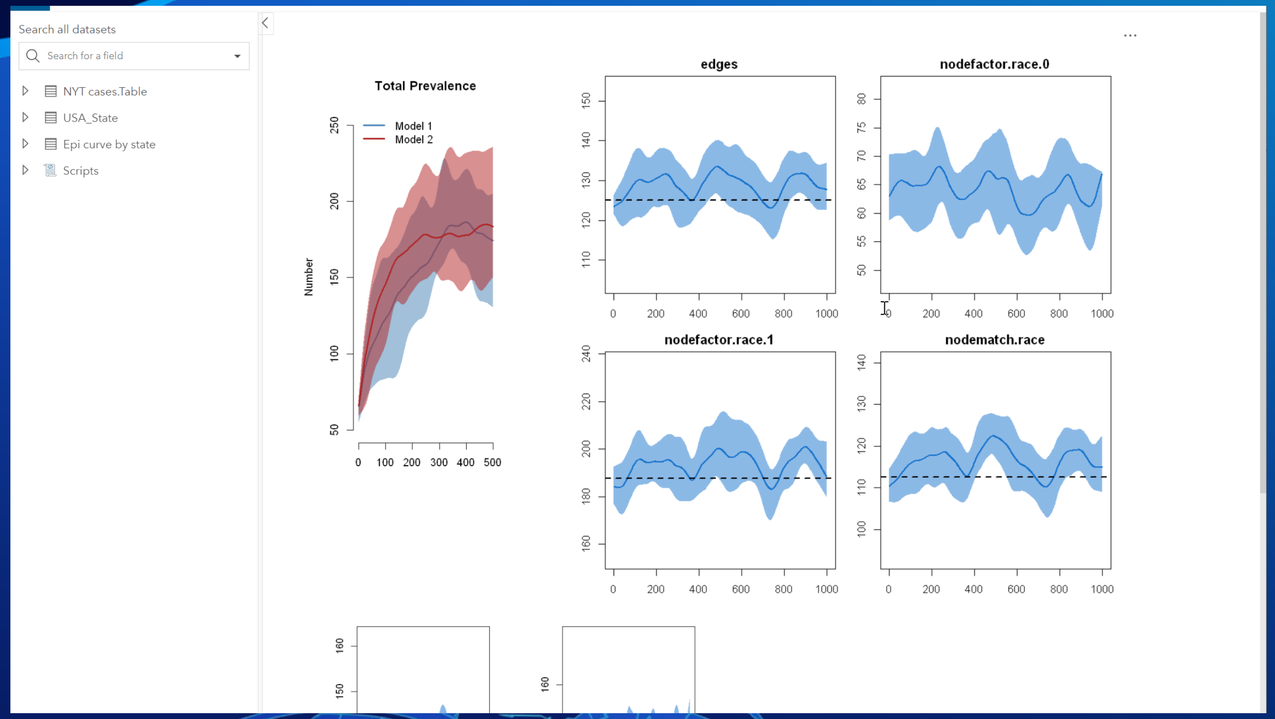
REPORTING

Extending visualizations using others from Python and or R



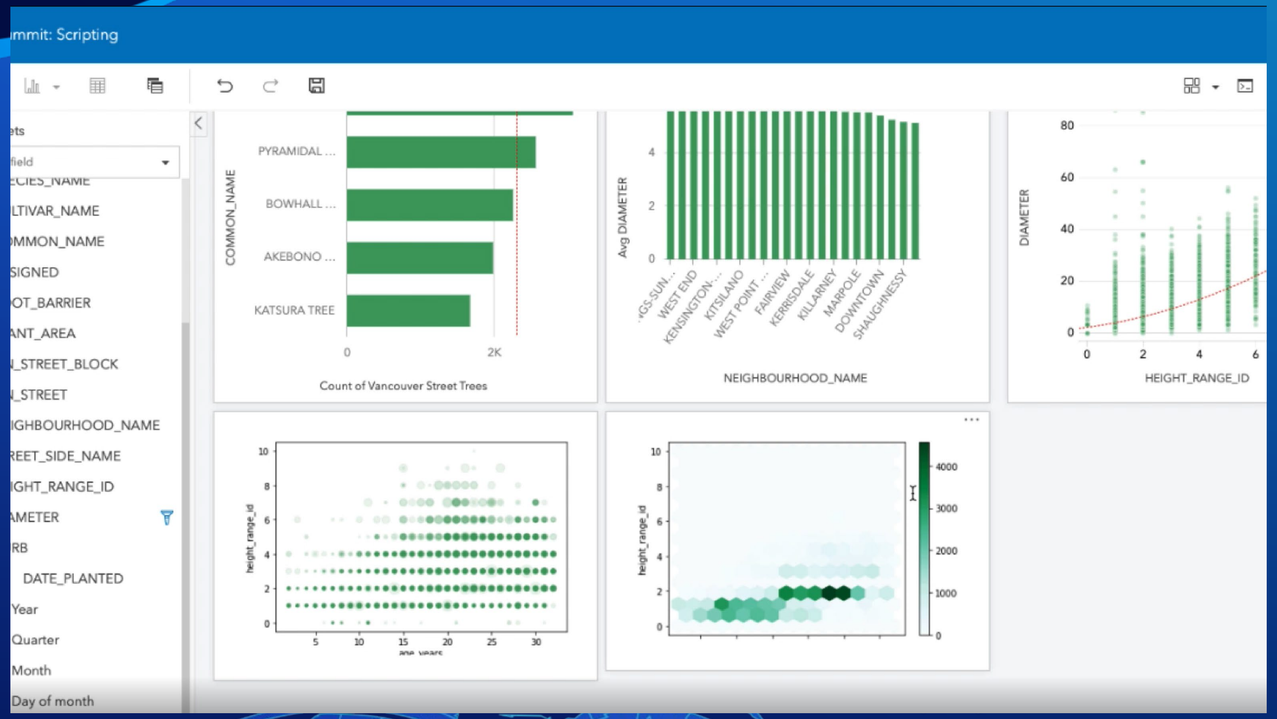
Using Python and R for engineering

Warren Davison



Using Python and R for analytics

Linda Beale



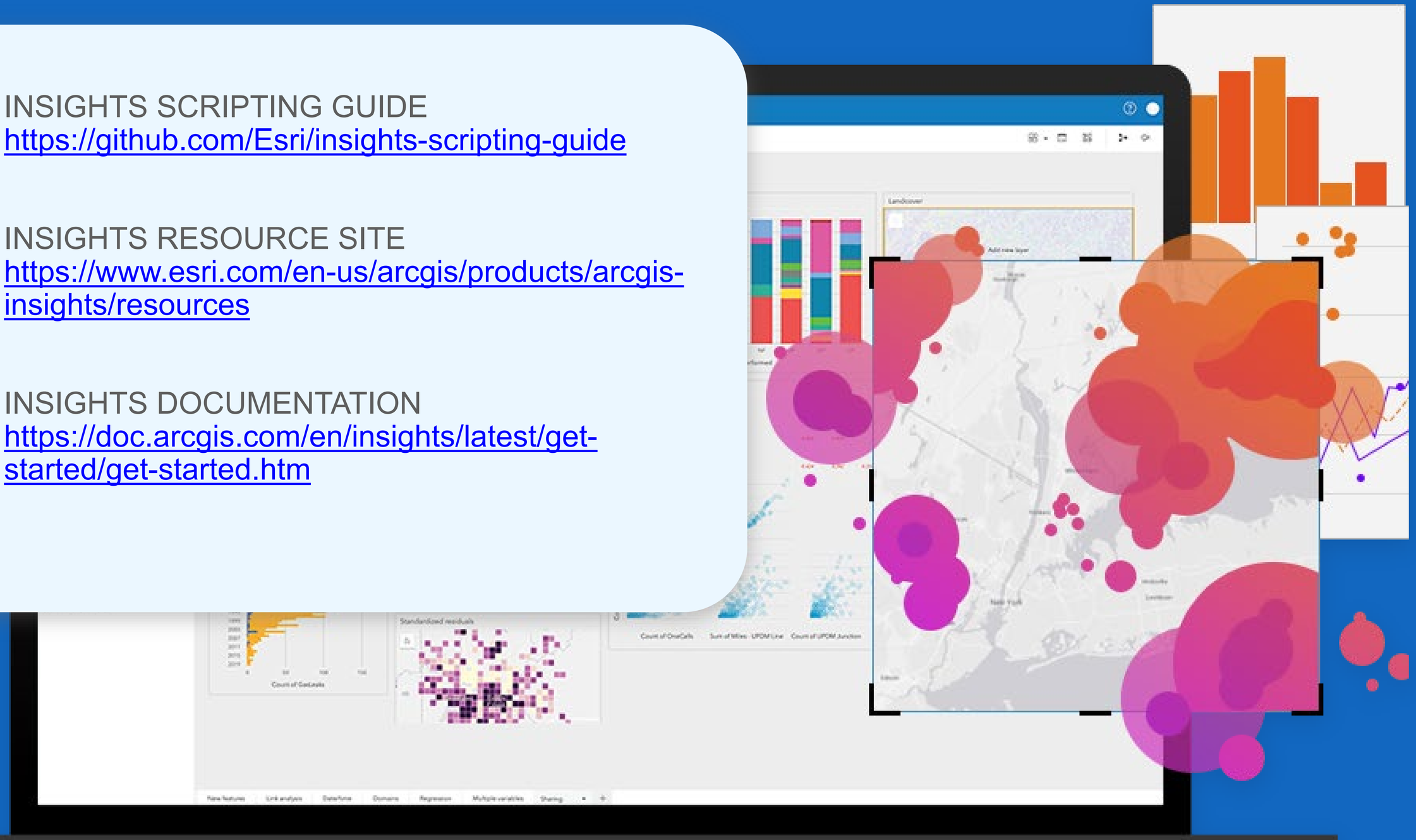
Using cards and sharing

Warren Davison

INSIGHTS SCRIPTING GUIDE
https://github.com/Esri/insights-scripting-guide

INSIGHTS RESOURCE SITE
https://www.esri.com/en-us/arcgis/products/arcgis-insights/resources

INSIGHTS DOCUMENTATION
https://doc.arcgis.com/en/insights/latest/get-started/get-started.htm



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