insurity SpatialKey | Analyst Quick Start Guide

This Quick Start guide covers the basics of our flagship Analyst application. Analyst is a multipurpose geospatial application that isn't limited to a particular workflow. Just open a dataset and start inspecting your data visually. Analyst's features are the foundation for our purpose-built applications like Underwriting, Event Response, and Accumulations.

We value your feedback. Reach out to your account manager with questions or email support@spatialkey.com.

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SpatialKey 101
Watch this companion tutorial video to get a jump start on using SpatialKey & Analyst.

More Quick Start Guides

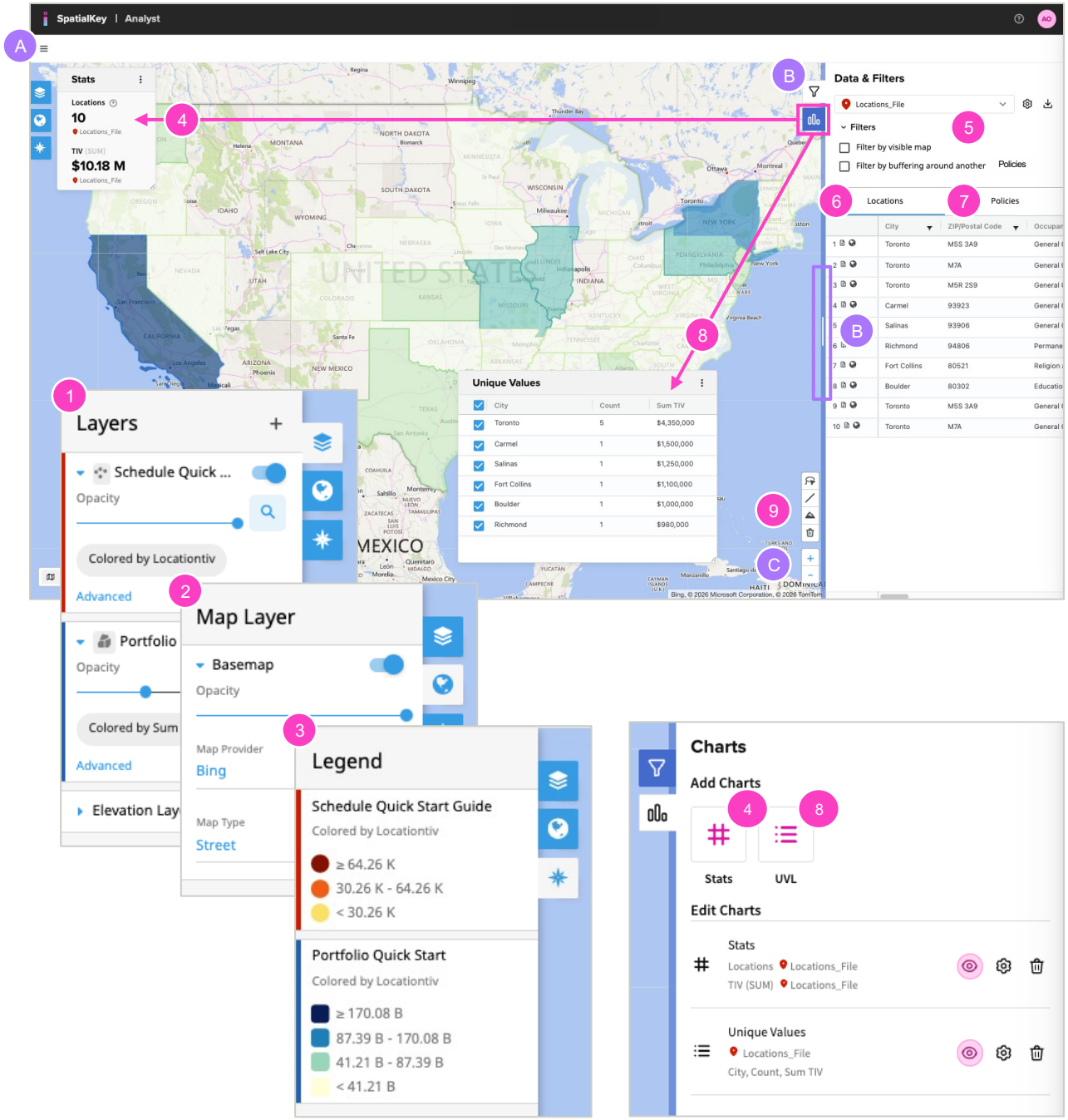
SpatialKey 101 | Analyst | Accumulations | Event Response | Underwriting | APIs

Dashboard Overview

Your data has been uploaded, now it is time to build your first dashboard. Open Analyst from the Apps tab, select a dataset and voilà, you've got a dashboard.

There are lots of ways to slice, dice and investigate your data. Let's dig deeper into dashboard functionality:

1. **Layers:** Control display of datasets, opacity, and click to view advanced visualization options.
2. **Map Layer:** Control the base map and types like hybrid, street or black & white views.
3. **Legend:** Interpret how each layer is visualized.
4. **Statistics Pod:** By default, you'll see the location count and sum TIV in the stats pod. Click the Charts icon in the right panel to add additional stats to your dashboard.
5. **Filters:** Applied filters will display as chips or checkboxes.
6. **Locations:** A list of all records in your data will display here along with the ability to filter at the top of each column.
7. **Policies:** If you have a policy file joined to your locations data, a list of all policies will show here along with the ability to filter at the top of each column.
8. **Unique Values:** Create a list of unique values to aggregate and filter your data by values like TIV or count of records.
9. **Map Tools:** Measure distance, elevation and use drawing tools to filter your data.



TIP!

A. Use the hamburger menu to create new, save, save as, or close a dashboard. *Note: the "save as" feature is only available in the Analyst application currently.*

B. Click the Filter or Chart icons to expand or collapse the view. Drag the blue vertical bar to resize the right panel and get a better view.

C. Use your mouse to drag & pan the map. Use your mouse wheel or the "+" & "-" buttons to zoom.

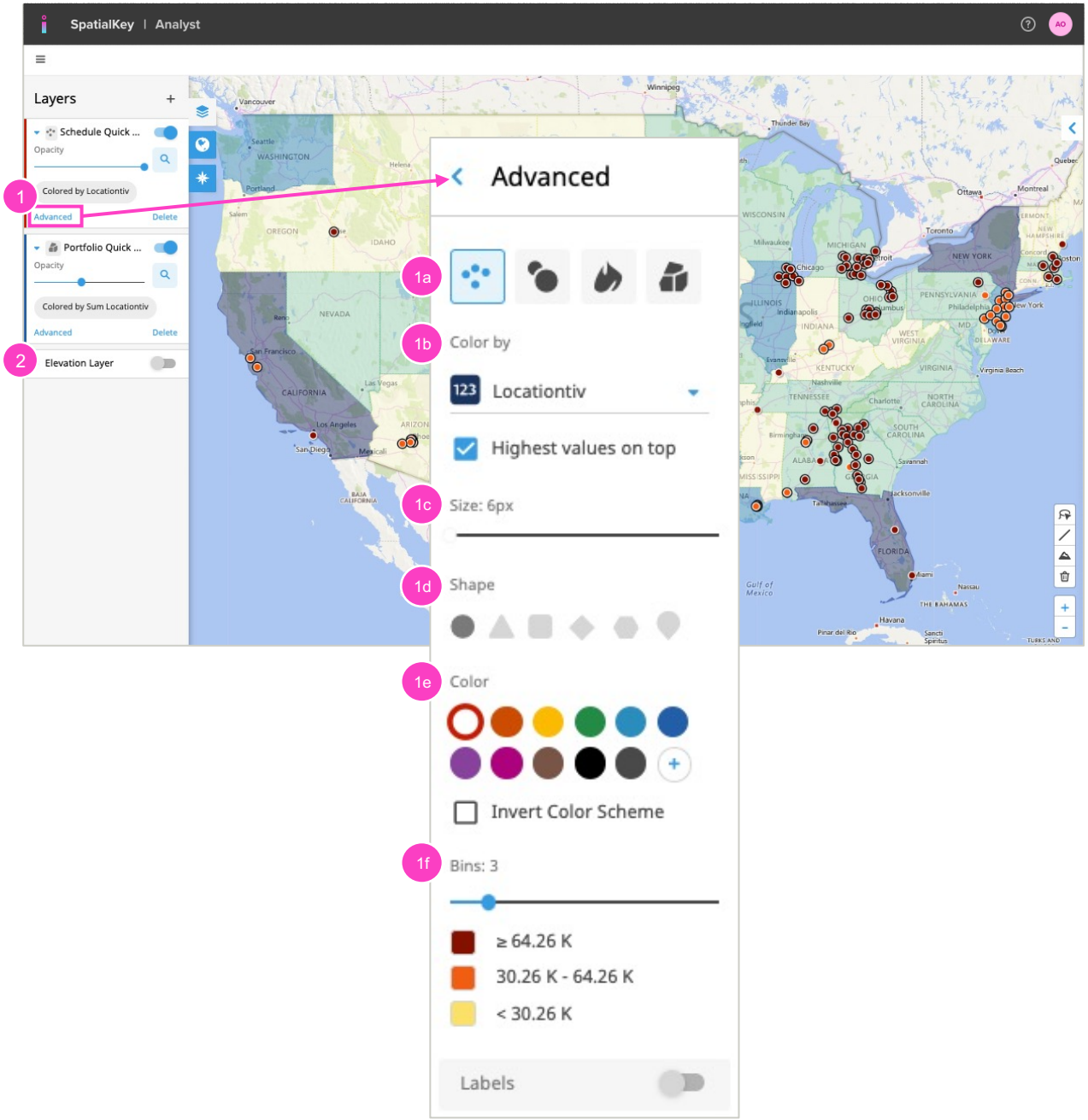
Layers, Base Map & Legend

Use the **layers** to adjust the visualization of your data. Toggle the layers on/off or adjust the opacity of layers to make different elements stand out on your map.

1. Use the **Advanced** options to adjust the visualization of any point dataset in your dashboard.
    a. **Visualization Options:** Point datasets will have 4 display options: individual points, graduated circles, heatmap, and thematic.
    b. **Color By:** Color your data by any column on your dataset e.g., TIV or City. When visualizing by graduated circles, heatmap, or thematic, only aggregate numeric values will apply.
    c. **Size:** Adjust how large points render.
    d. **Shape:** Select from 6 different shapes when viewing your data as individual points.
    e. **Color:** Select from various preset color family options or create your own with the "+" icon.
    f. **Bins:** Select from between 2 to 9 bins to color and group your data.
2. Enable the **elevation layer** to view global contours.

Adjust the **base map** visualization from satellite to street view. If you have more than one base map enabled, you could switch between them here.

The **legend** helps you make sense of all the data that is being visualized.

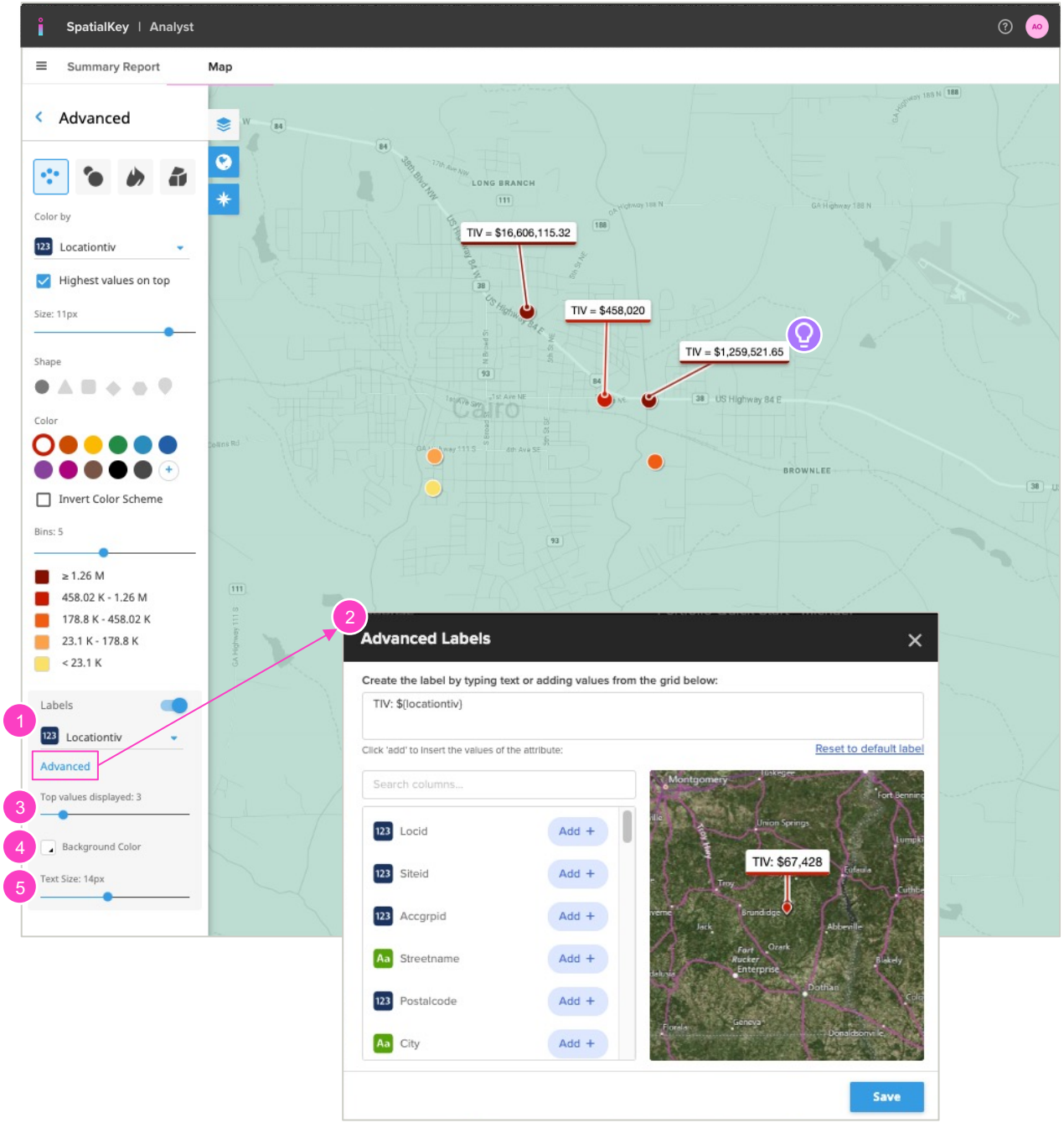


Labels

Add custom labels to any point dataset in your dashboard. By default, the first column on your data will be used to label the top 10 values.

Click the "Advanced" link in the layer panel to find the toggle for labels along with other visualization options.

1. **Select a column** (numeric or text)to quickly add top labels to your dataset.
2. Use the **Advanced option** to create your own formula to fully customize the labels.
3. Label up to **20 top values.**
4. Change the **background color** to help the labels stand out on the map. Labels default to a white background.
5. Adjust the **text size** between 1-30px. Text size defaults to 15px.



TIP! Drag labels around to position them to your liking. Double-click a label to customize each one individually. Deleting the text within a label will return it to its default state.

TIP! Select "Filter by visible map" if you'd like to narrow what is labeled to only locations you can see on your screen (vs. top values across the dataset).

Analysis Tools

Enhance your analysis with these reporting tools:

1. **Statistics Panel**

   By default, you'll see a Stats pod in your dashboard with total location count and the sum of the metric selected for the analysis or TIV (if available).

   You can add additional statistics to your dashboard by clicking the more menu icon in a stats pod or by clicking the "Stats" button under "Add Charts" in the right panel. Select from any numeric value in your dataset and aggregate by Sum, Avg, Min or Max.

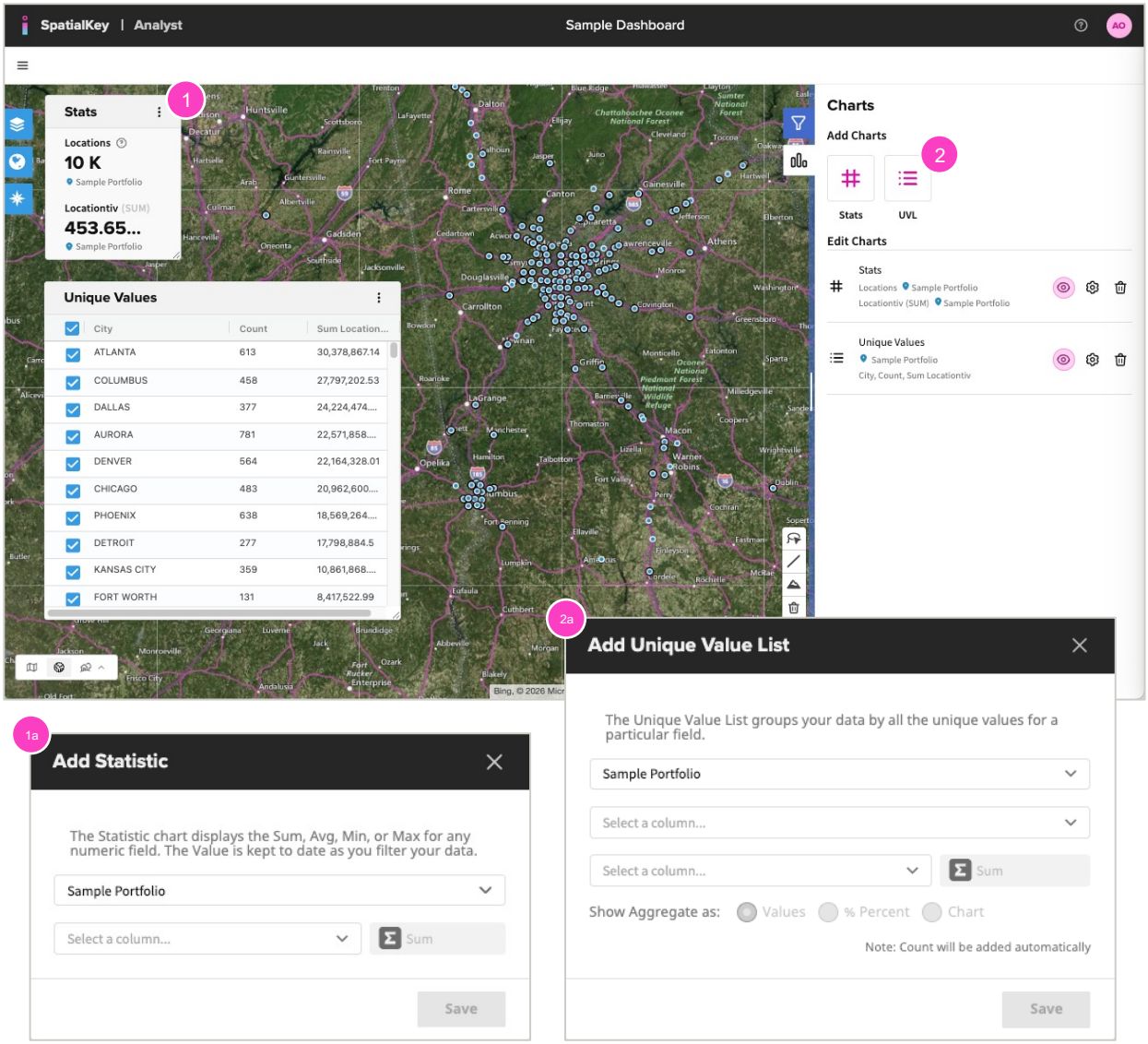
   The Stats pod will appear, and you can drag it anywhere on your map.

2. **Unique Value Lists**

   Next to the Stats button in the Charts panel, you'll find the Unique Value List (UVL) button.

   Click the button and then select any column from your location or policy file and the metric you want to aggregate.

   The UVL will pop up with your unique values and aggregates. You can drag the pod anywhere on your map and use the rows to filter your data.



Analysis Tools (continued)

Enhance your analysis with these analytic tools:

1. **Distance Tool**

   The distance tool allows you to measure the distance between any points on the map. You can add as many vertices to your ruler as you wish.

2. **Elevation Profile**

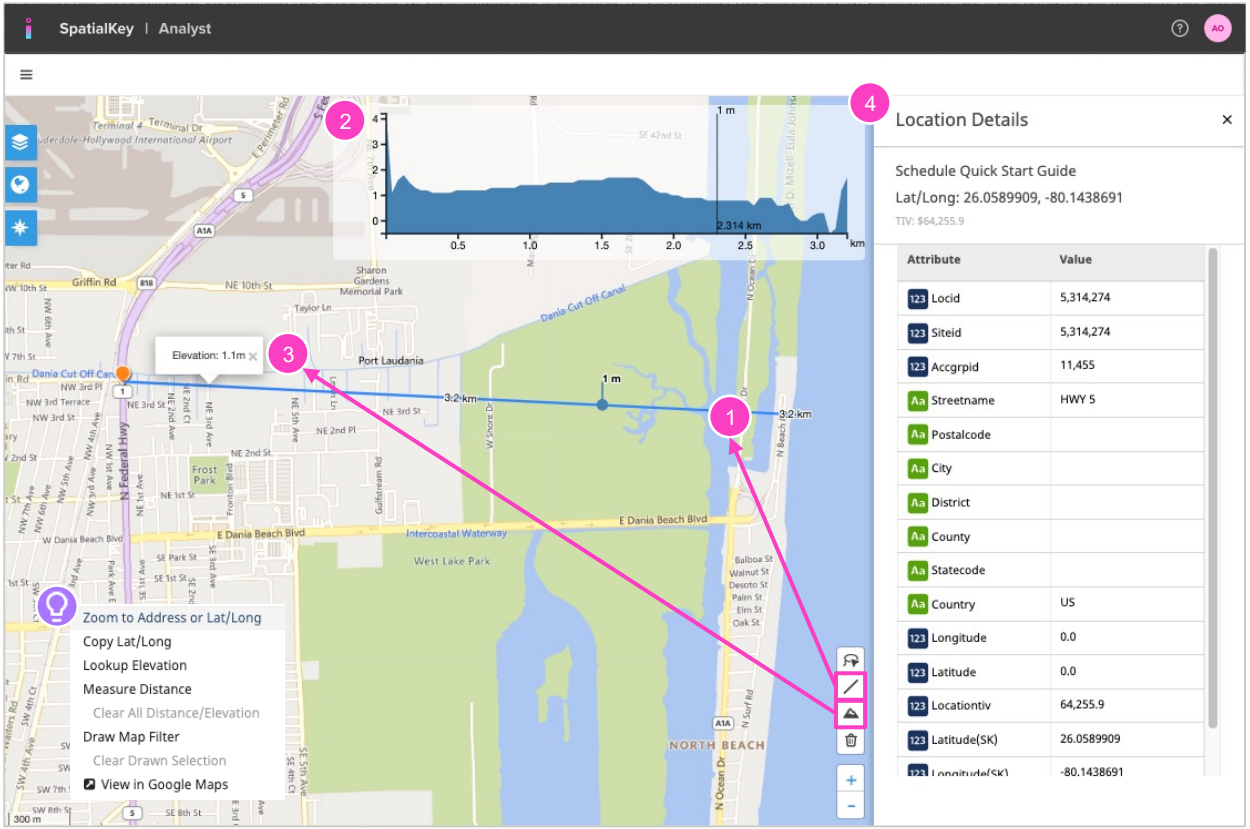
   To visualize the elevation across the ruler that you drew with the distance tool, hover over the line to view the elevation profile.

3. **Elevation Tool**

   Use the elevation tool to look up the elevation for any single point on the map.

4. **Location Details**

   Hover and click a location to see all the details of that location.



TIP! The distance tool and elevation tool can also be accessed by right clicking anywhere on the map.

Additional tools accessible in the right click menu:

- Zoom to Address or Lat/Long
- Copy Lat/Long
- View in Google Maps

Filtering Data

There are many ways to filter your data to narrow your analysis:

1. **Filter by Drawn Shapes:** When drawing custom shapes, this checkbox allows you to easily toggle to filter by the shape or not.

2. **Filter by Visible Map:** You can select to filter by visible map which will limit the locations in the List Report to only those visible on the map. This is helpful in keeping the List Report in sync with what you are currently visualizing.

3. **Filter Chips:** Filters applied from data columns will display as chips that can be removed here.

4. **Column Filters:** Use the column filters from your location or policy file (if available) in the List Report to narrow down your locations. Apply filters across multiple columns and then set the filter to require **ALL** or **ANY** of the criteria to be met (e.g. "and" vs. "or").

5. **Custom Shapes:** Draw custom shapes to filter your data, show the square feet or miles and, where relevant, radius, distance, and perimeter.

   Click individual shapes to **edit, drag** them to a new position, or hit the **delete** key to remove them.

   Use the **trash can to clear all** drawn shapes at once.

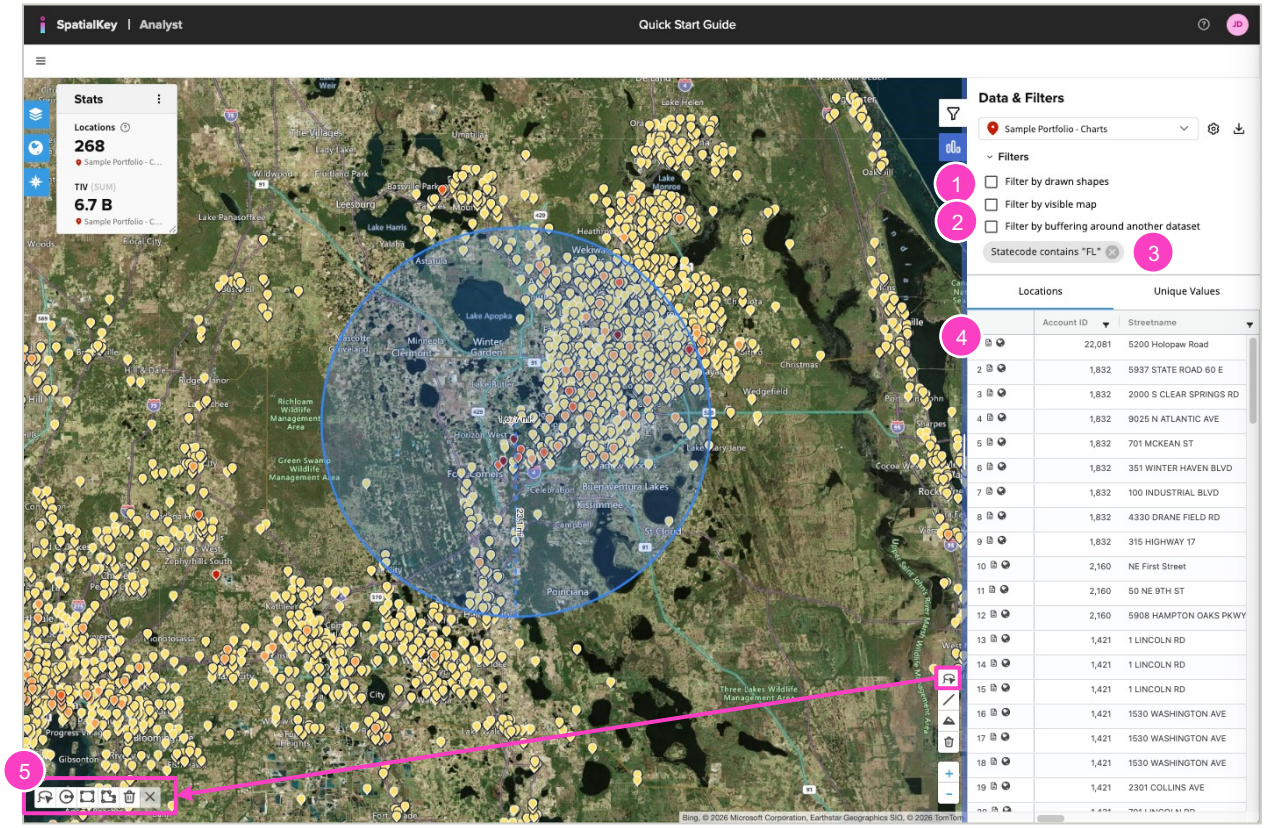
   Drawing filters have 4 different options:

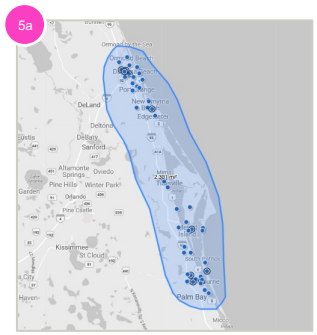
   a) Use the **freehand lasso** tool to draw a custom shape around locations to filter your data.

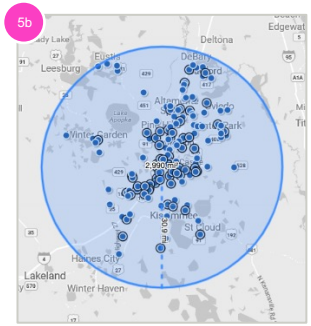
   b) Draw a **circle** to see how many locations fall within a certain radius.

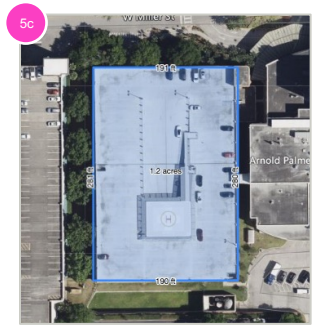
   c) The **rectangle** tool can help you quickly calculate a perimeter.

   d) Use the **polygon** tool for irregular perimeters or to estimate square footage.









Save & Share Dashboards

Easily collaborate and share dashboards across your organization to ensure seamless communication.

Save

1. "Save As" allows you to save a new dashboard without overwriting previously saved work. *Note: the "save as" feature is only available in the Analyst application currently.*

2. "Save Dashboard" will save the existing dashboard and overwrite anything that was previously saved.

Share

3. Access your dashboards via the "Dashboards" tab in the home interface. Click the settings icon to get to Dashboard Sharing.

4. A dashboard owner can share it with other SpatialKey users by clicking "Add Owner" in dashboard settings.

   Adding an owner allows you to select specific users or groups and give them access to your dashboard and your underlying data all in one step. Anyone who didn't already have access to the underlying data will be given Viewer permissions on the data.

   Shared dashboards will show for those users in the Dashboard tab.