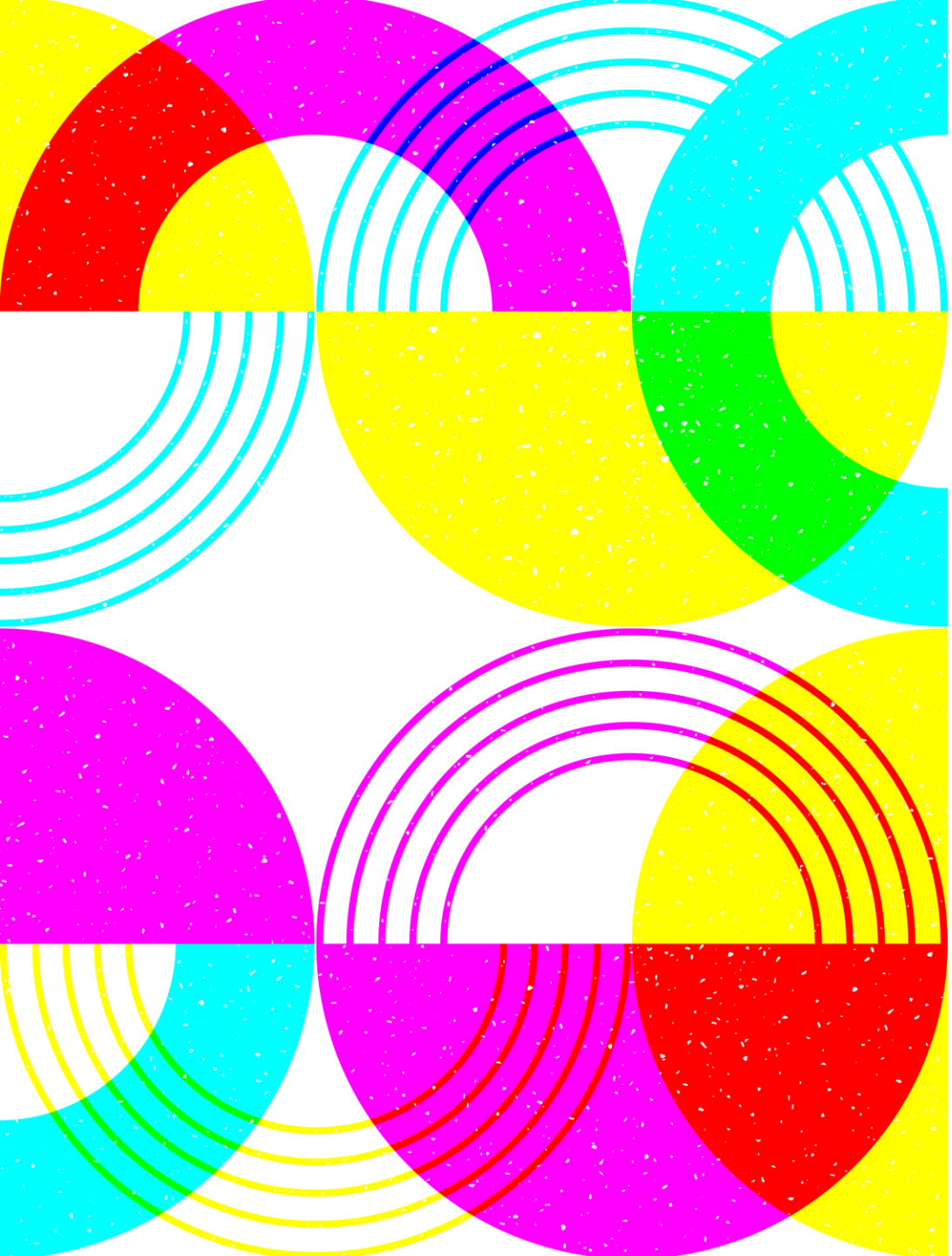


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DistrictPulse Data Analytics – Student Pt. 2

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Calvin Williams – Solutions Engineer

Agenda

- What is DistrictPulse?
- Key Benefits.
- Building a Dashboard!
- Author Pro ***Sneak Peek***
- Future Enhancements

Working with Data in Qmlativ

Reporting Reimagined

Real-Time Reporting

- *Provides immediate, up-to-date information*
  - Dashboard Tiles & Charts



Snapshot Reporting

- *Captures data at a specific point in time or defined time period*
  - Report Designer & Data Mining



Visualization/Analysis

- *Analyze trends and patterns over extended periods*
  - DistrictPulse



What is DistrictPulse?

- DistrictPulse is a Licensed Product for Qmlativ.
- Cloud-scale Business Intelligence (BI).
  - Amazon Web Services (AWS) QuickSight.
- Allows easy visualization of data from Qmlativ.
- Answer questions at your district.



Key Benefits

Tight Integration with Qmlativ

DistrictPulse integrates directly with Qmlativ, eliminating the need for data to be shared with a separate vendor. This is YOUR DATA, accurately represented.

Enhanced Security

The security you define in Qmlativ carries over to your data in DistrictPulse, ensuring your users can only access data they are authorized to view, providing peace of mind with compliance and data privacy regulations.

User-friendly Interface

Designed with Educators in mind, DistrictPulse features an intuitive interface that simplifies the process of creating visuals, as well as interacting with and navigating dashboards.

Pre-Built Dashboards/Visuals

DistrictPulse has a collection of pre-built options that are available immediately, allowing you to quickly start visualizing your data, or giving you a starting point for building your own custom dashboard.

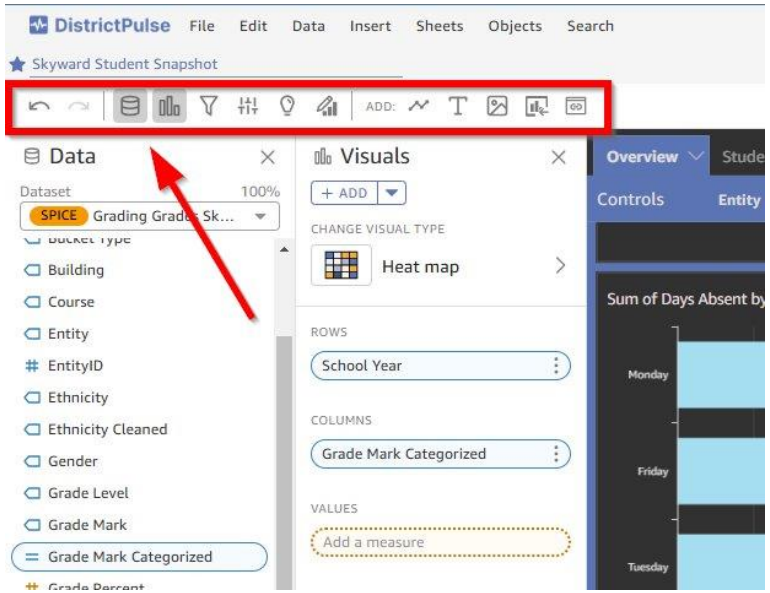
Building a Dashboard

- Start with the question “What am I trying to answer?” – This helps determine which dataset you need.
- Start basic – get your data there first then make edits.
- Check your aggregations.
- Filtering- Standard or interactable?
- Controls – how do you want users to interact.
- Customize – Theme, Titles, Descriptions, Interactions, etc.



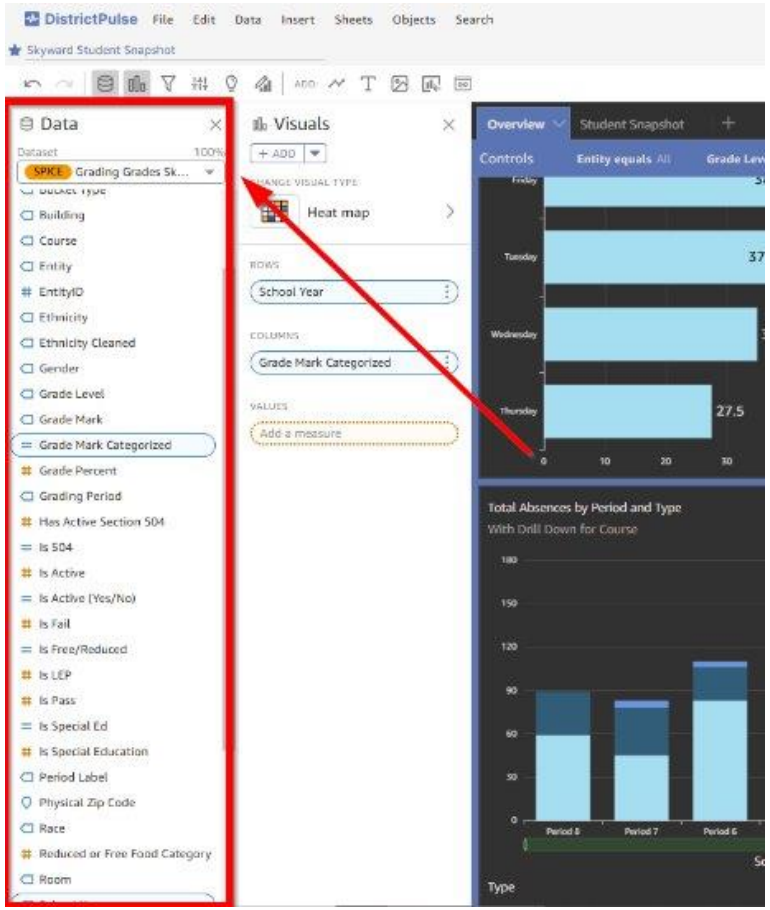
Author Toolbar

- Tools available in an Analysis to help Authors build Dashboards.
  - *Datasets*
  - *Visualize*
  - *Filter*
  - *Parameters*
  - *Insights*
  - *Properties*
  - *Add Visual*
  - *Add Text*
  - *Add Image*
  - *Import*
  - *Add Custom Content*



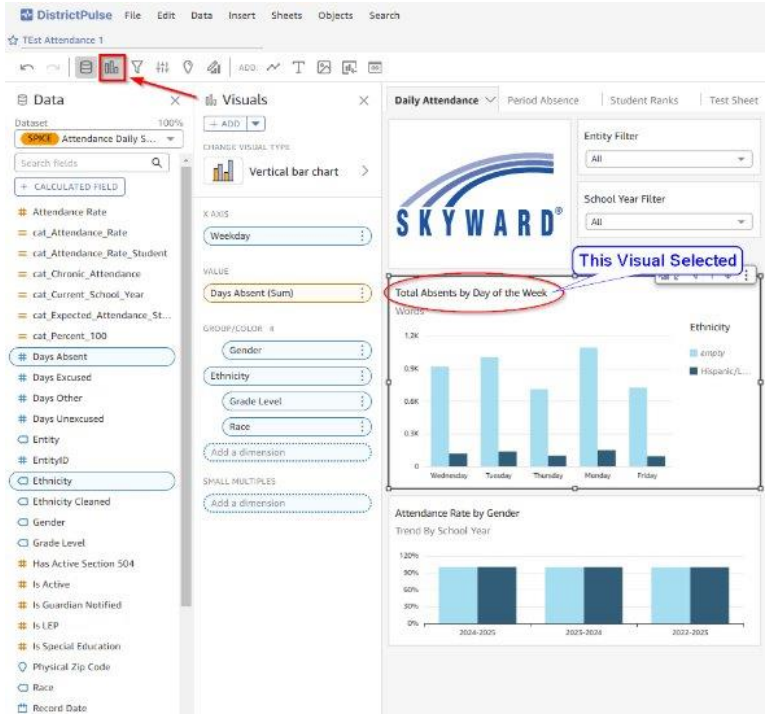
Datasets

- Authors can select fields from Datasets to build visuals.
- Built based on modules within Qmlativ.
- Multiple datasets on the same dashboard.
- Can add calculated fields to the dataset for visuals.



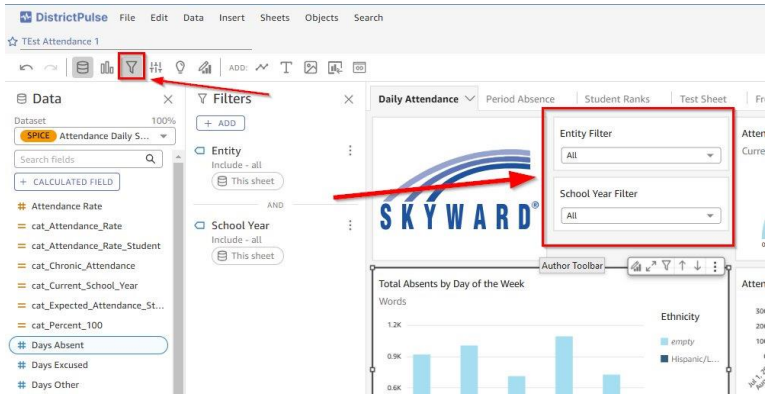
Visualize

- Add, build, and select fields for visuals.
- Selects visual type or Auto-graph.
  - *Auto-graph allows you to select fields without a visual type and will automatically build a visual based on those selections.*
- Click and Drag Fields for creation.



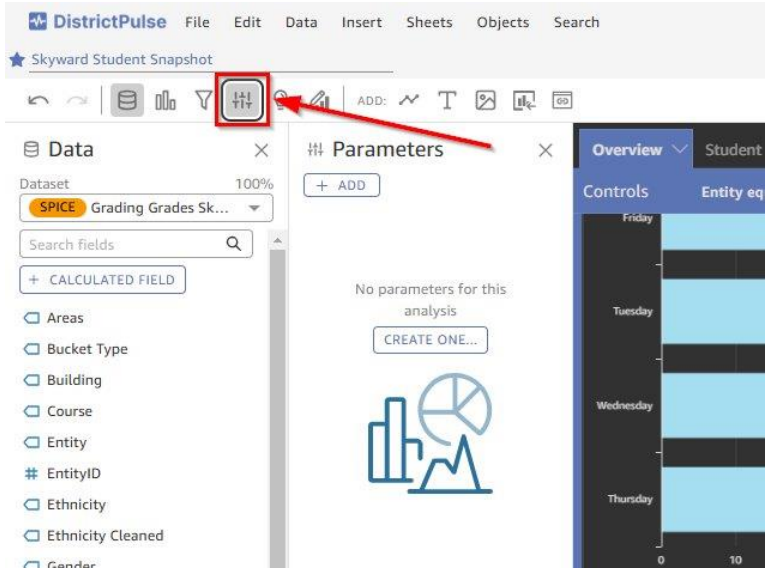
Filter

- Filters Limit Data you can see.
  - *Individual Visuals*.
  - *Individual Sheets*.
  - *All Sheets on Dashboard*.
- Any Field in the Dataset can be used.
- Options change with field type.
- Filters can apply across datasets if field is shared.
- Controls for filters:
  - *Static options that are hidden*.
  - *Can be added to top of a dashboard*.
  - *Can be put within the dashboard*.



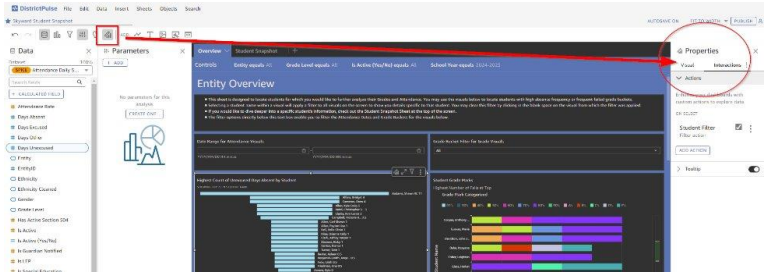
Parameters

- Variables that can transfer a value through interactions or objects.
- Parameters connect to something in your analysis to be used in:
  - *Calculated Fields*
  - *Filters*
  - *Dashboards URL's*
  - *Actions*
  - *Titles/Descriptions*



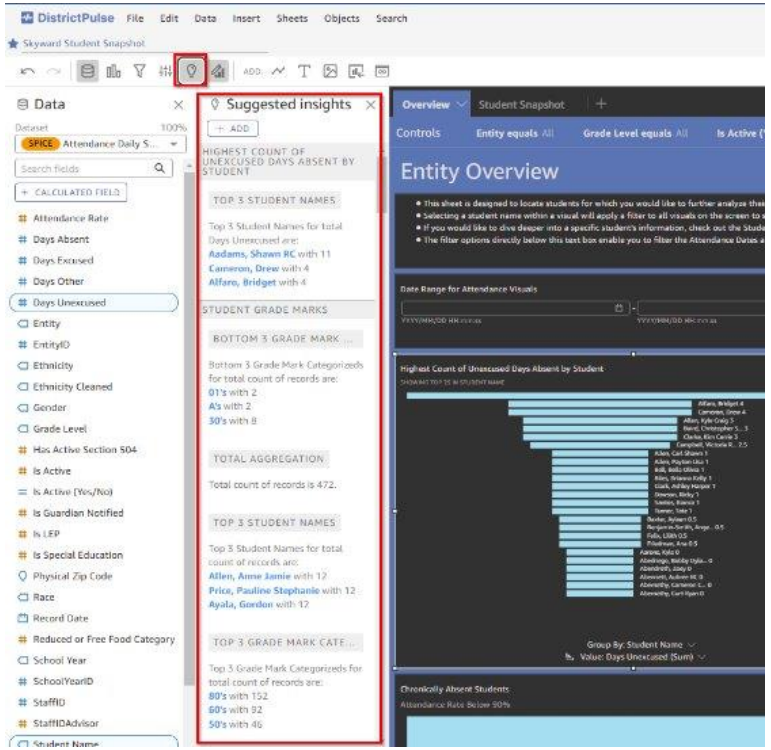
Properties

- Two options:
  - Visual
    - *Changes settings for fonts, labels, titles, colors, reference lines, legends, etc. for individual visuals.*
    - *Different options based on visual type.*
  - Interactions
    - *Adding options for users to interact with data by clicking on visuals, or the data within.*
    - *Can filter, navigate to other sheets, or to a URL.*
    - *Can be used with Parameters.*



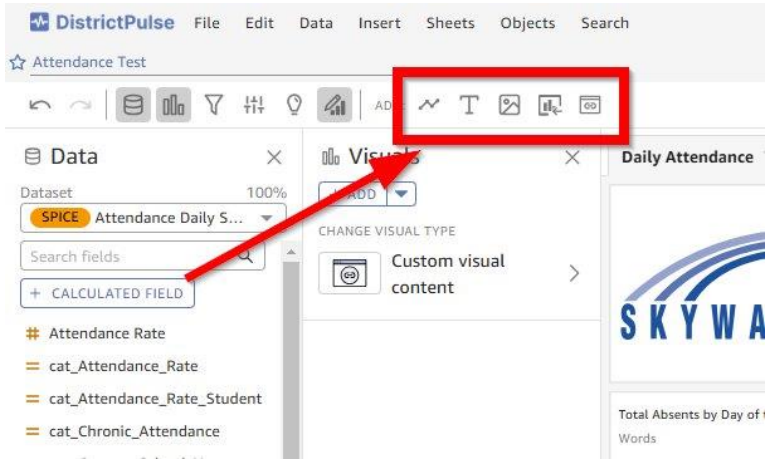
Insights

- Ready-to-use Analytical Computations you can add to your analysis.
- Two Types:
  - Suggested
    - *Autogenerated list of options based on DistrictPulse's interpretation of your data.*
  - Custom
    - *Can use your own words to add context to fields that you select, and add calculations, additional fields, parameters, and text formatting.*



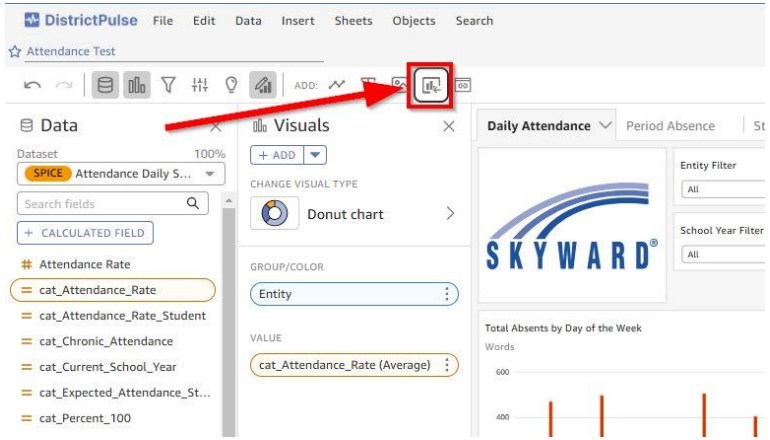
Add Visual/Text/Image/Custom Content

- **Add Visual**
  - *Another way to add a a visual to an analysis in addition to the "Visualize" tab.*
- **Add Text**
  - *Can add a Text box to an Analysis.*
- **Add Image**
  - *Selects a saved image to add as a visual.*
- **Add Custom Content**
  - *Add a URL to embed a video, survey, or other content.*



Import

- Can select Visuals from other Analyses or Dashboards to add to your current analysis.
- Able to select multiple visuals at once from the same source.
- Dependencies for selected visual will import along with the visual such as:
  - Datasets
  - Parameters
  - Calculated Fields
  - Filters
  - Visual Properties
  - Conditional Formatting Rules



Other Customization

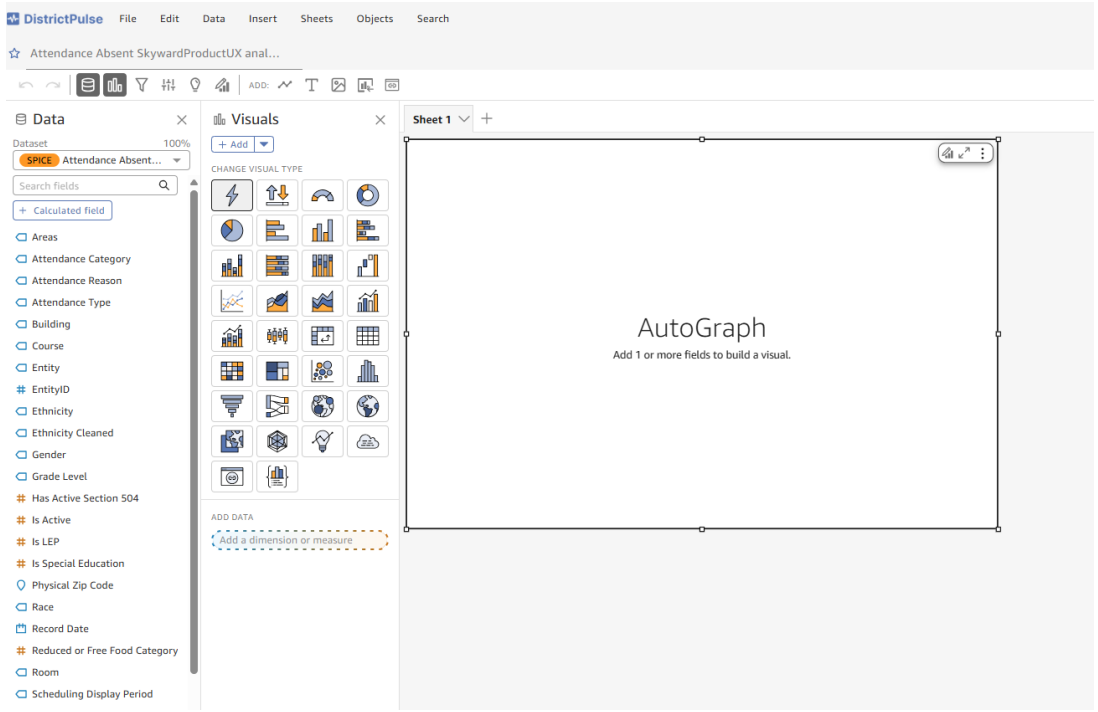
- **Themes**
  - Included themes or ability to make custom themes for custom colors on your dashboards.
- **Sheets**
  - Able to add additional pages/tabs to your dashboard.
- **Layouts**
  - Snap to grid, or freeform options are available.
- **All visuals are resizable**.

Pre-Built Dashboards

- Available for “Authors” Group at each site.
- Refresh nightly – permissions maintained.
- Authors responsible for sharing to Readers/Groups.
- Import Feature is available for Authors to use.
- Authors can save these as an Analysis if they would like to make a clone to modify.

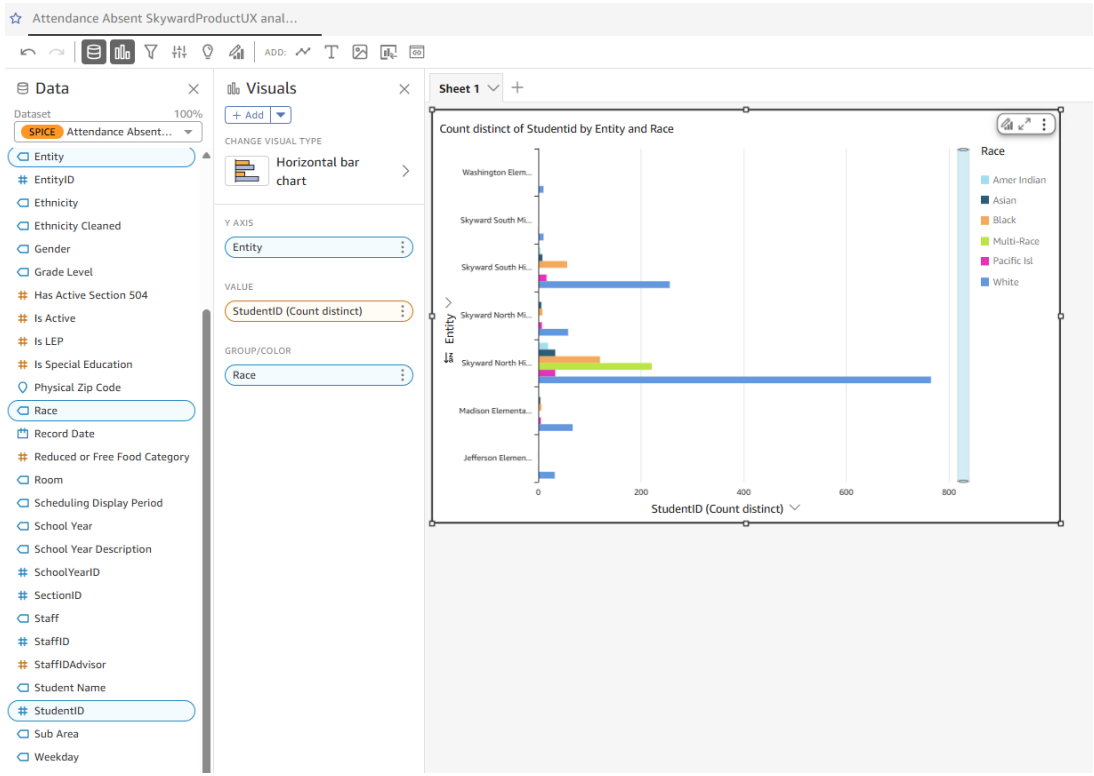
Start your Analysis

- Select your Initial Dataset
- Can have multiple on same dashboard but need to start with one.
- Empty Dashboard outside an “Auto-graph” visual.
- Think on your first question – What field is first?



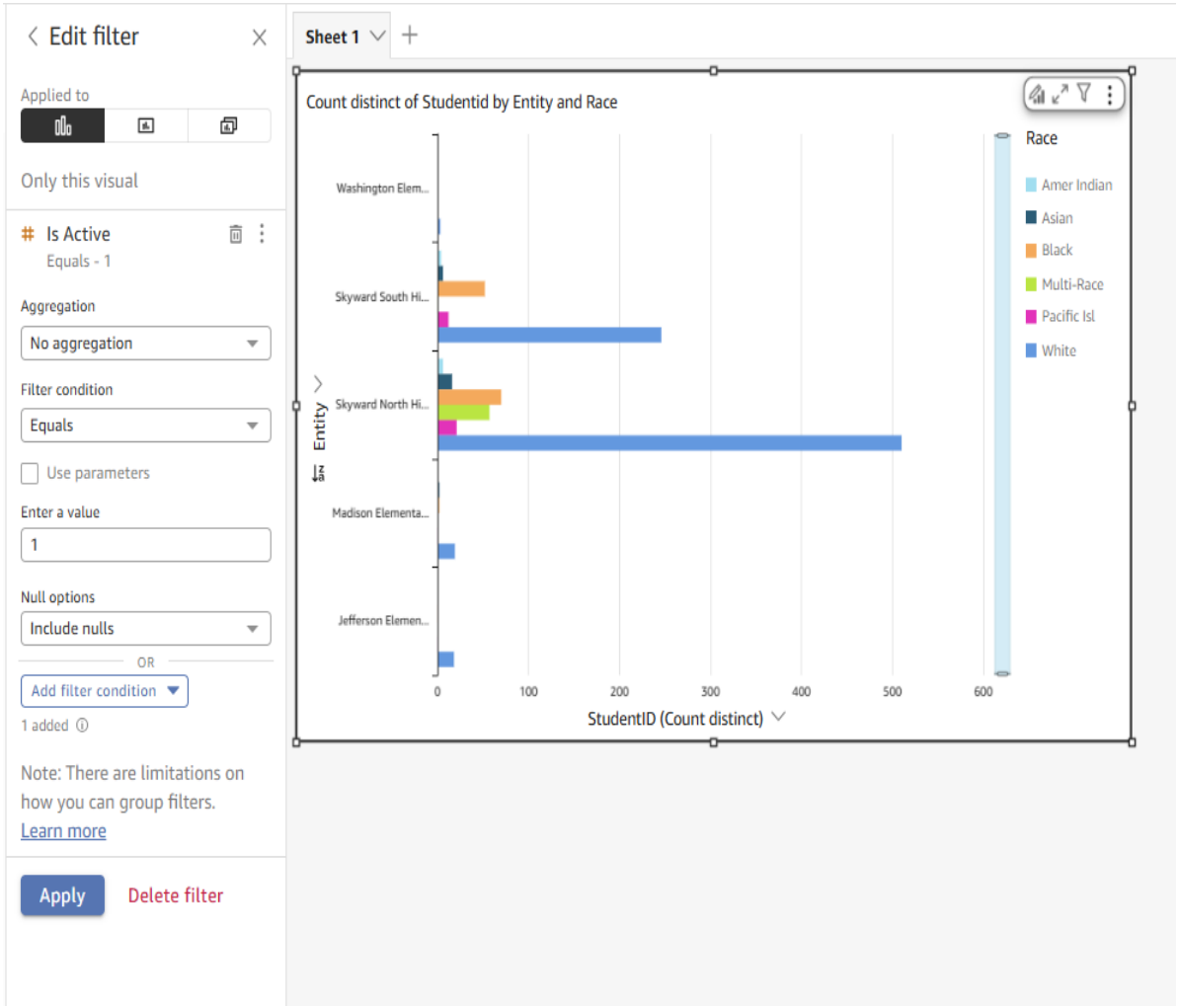
Your First Visual

- Field types are different based on visual type, but for the most part they are:
  - **X or Y Axis** – Vertical or Horizontal
  - **Value** – If needed, helps with aggregation options – Double check how you aggregate to be sure you are accurate!
  - **Group/Color** – Breaking down aggregated information.



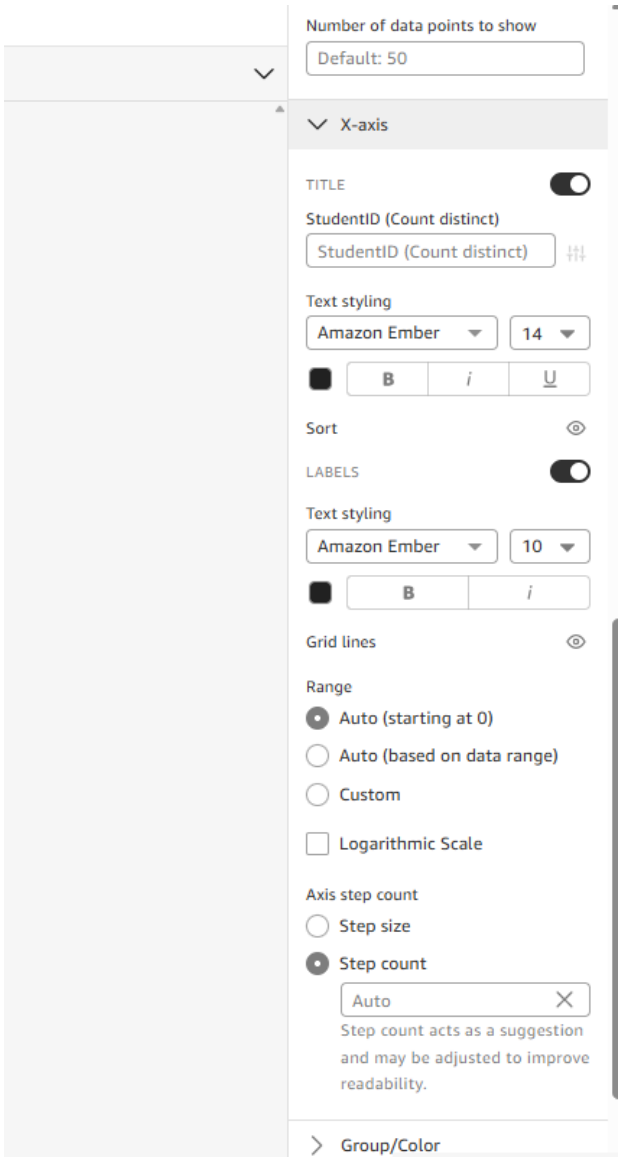
Adding Filters

- ALL DATA IS THERE – Active vs Inactive, all years of data you have extracted, etc.
- Two “types” of filter:
  - Controllable – Users can interact
    - Top of Sheet or Within
  - Non-controllable – always applied in background
- Can filter on any field in the dataset
  - Filter options will change based on field you select – String/Integer/Date/Zip Code/etc.
- Can filter across datasets if field is shared.
- Can filter across visuals and sheets.
- Ask – “How do people want to dig into this information?”
- Ask – “What information can I filter out because it's not needed or important?”



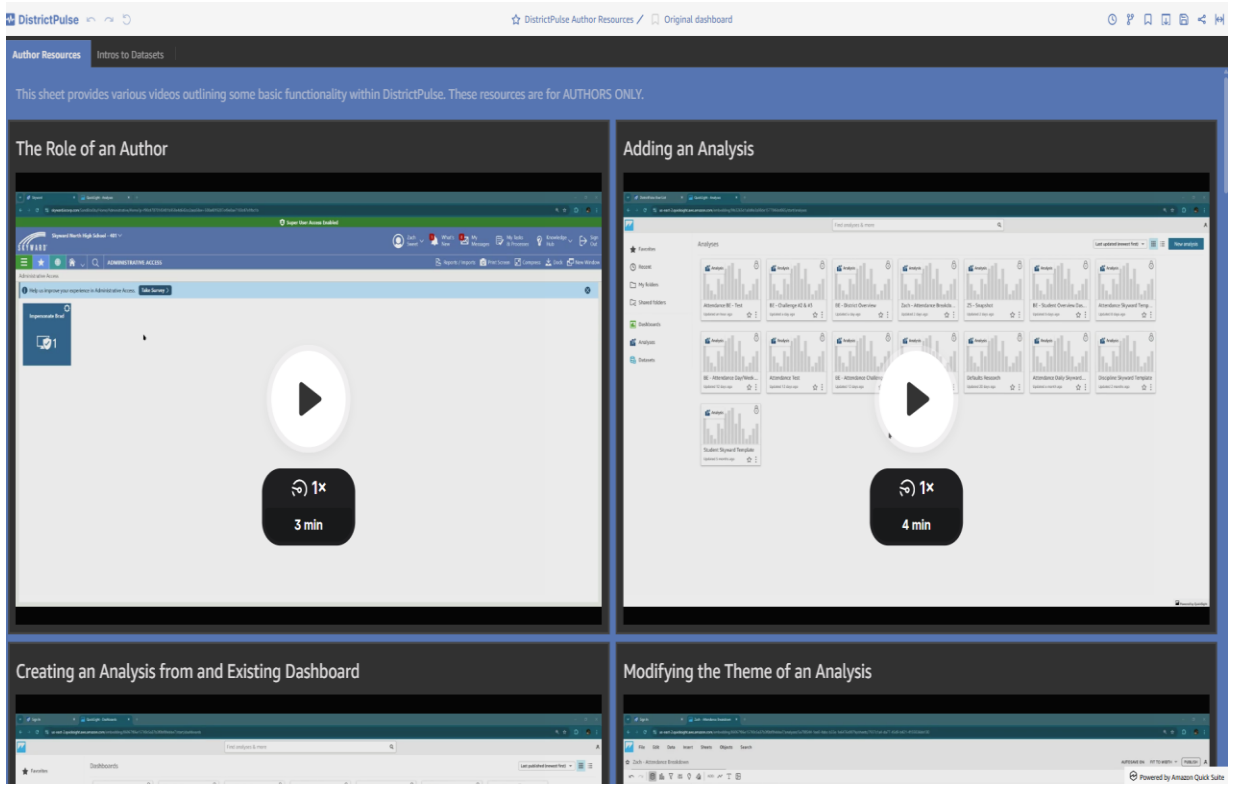
Properties

- This is where customization for the visual happens.
  - Titles – Auto generate based on fields selected, but can define different options.
    - Text editor options such as fonts, bold, size, etc. Available.
  - Options change based on the visual type you choose.
  - Make changes that are clear for users or help highlight specific information you need.



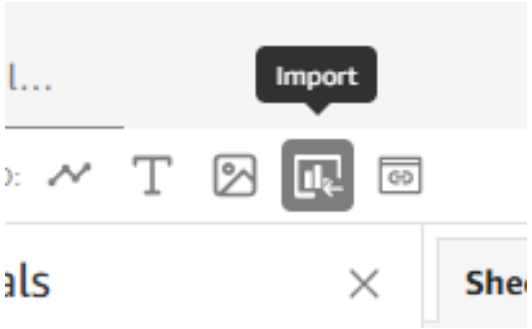
Other Customization

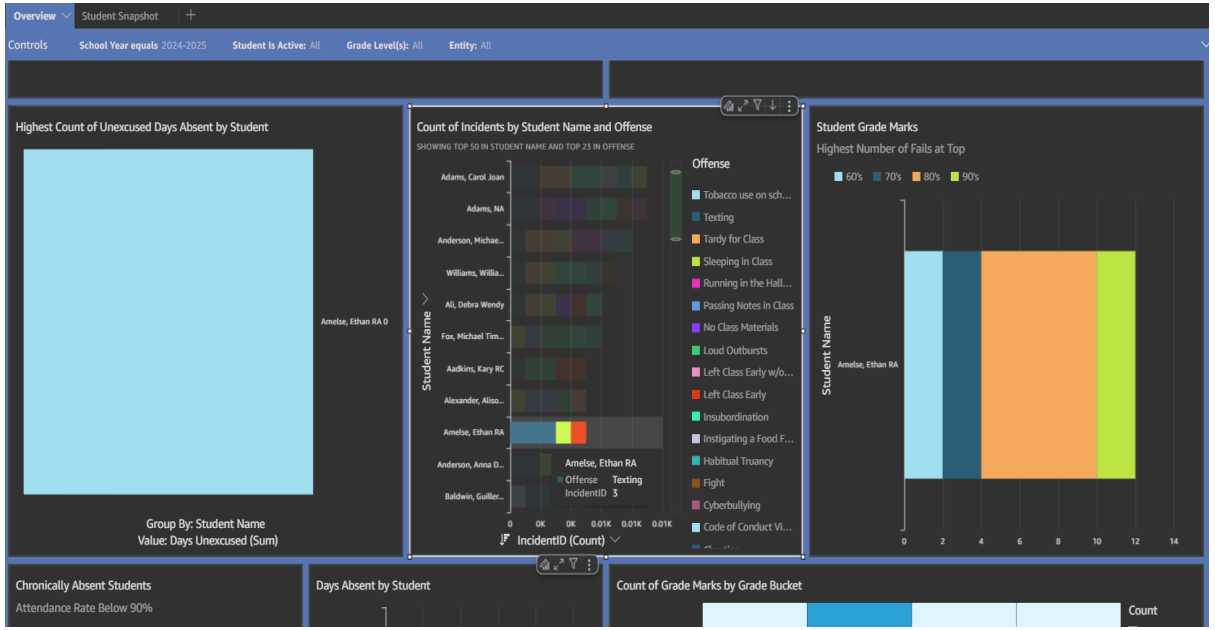
- Theme – Can get down to specific color codes – make it your own. Skyward's prebuilt dashboards follow the color codes in Qmlativ.
- Images, text, links.
  - Can add logo's (which can link to your school homepage). Custom Images, embedded videos, etc.



Other Important Options

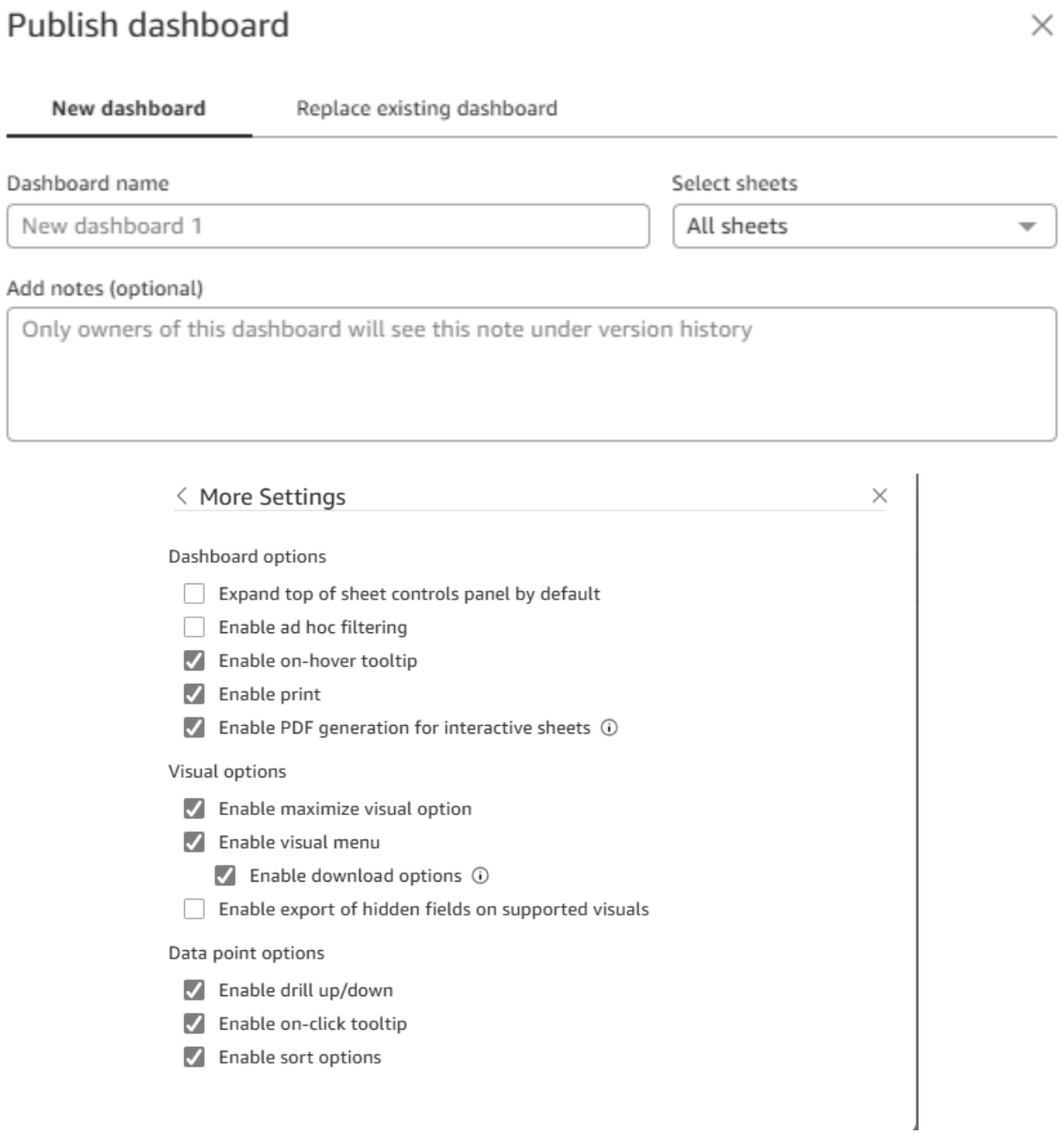
- Import – Don't have to recreate the wheel every time! If there is a visual you like on another dashboard, Import it!
- Interactions – Can click on data within visuals to use as a filter or navigate to another relevant page.





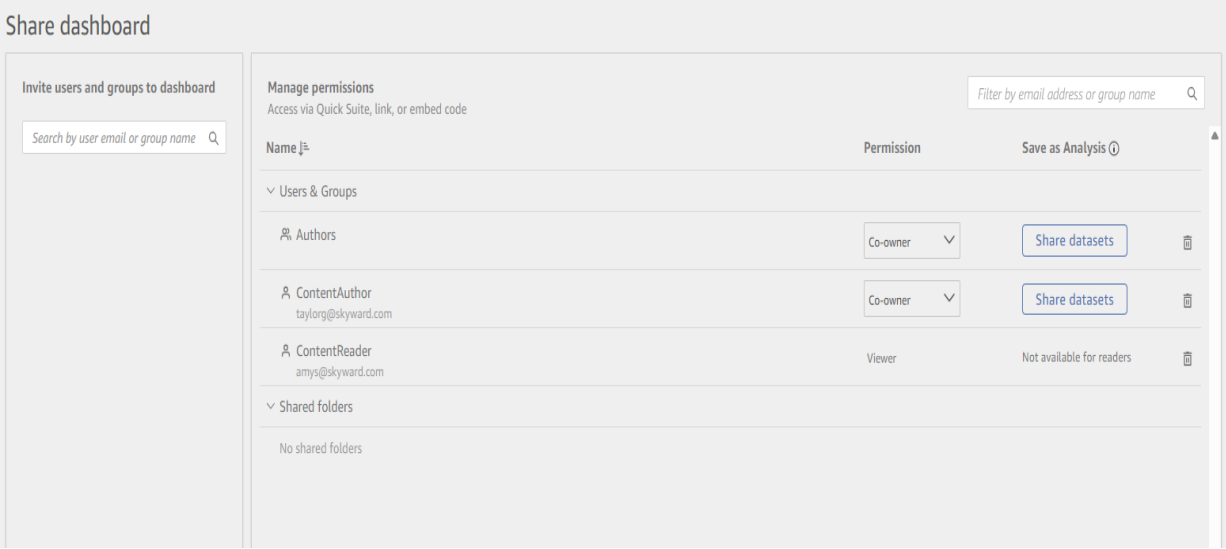
Publishing

- Name it something descriptive but simple!
- Can publish individual sheets.
- Tons of options for enablement.
  - Authors have many controls for how users can interact, review and pick what is right for you.



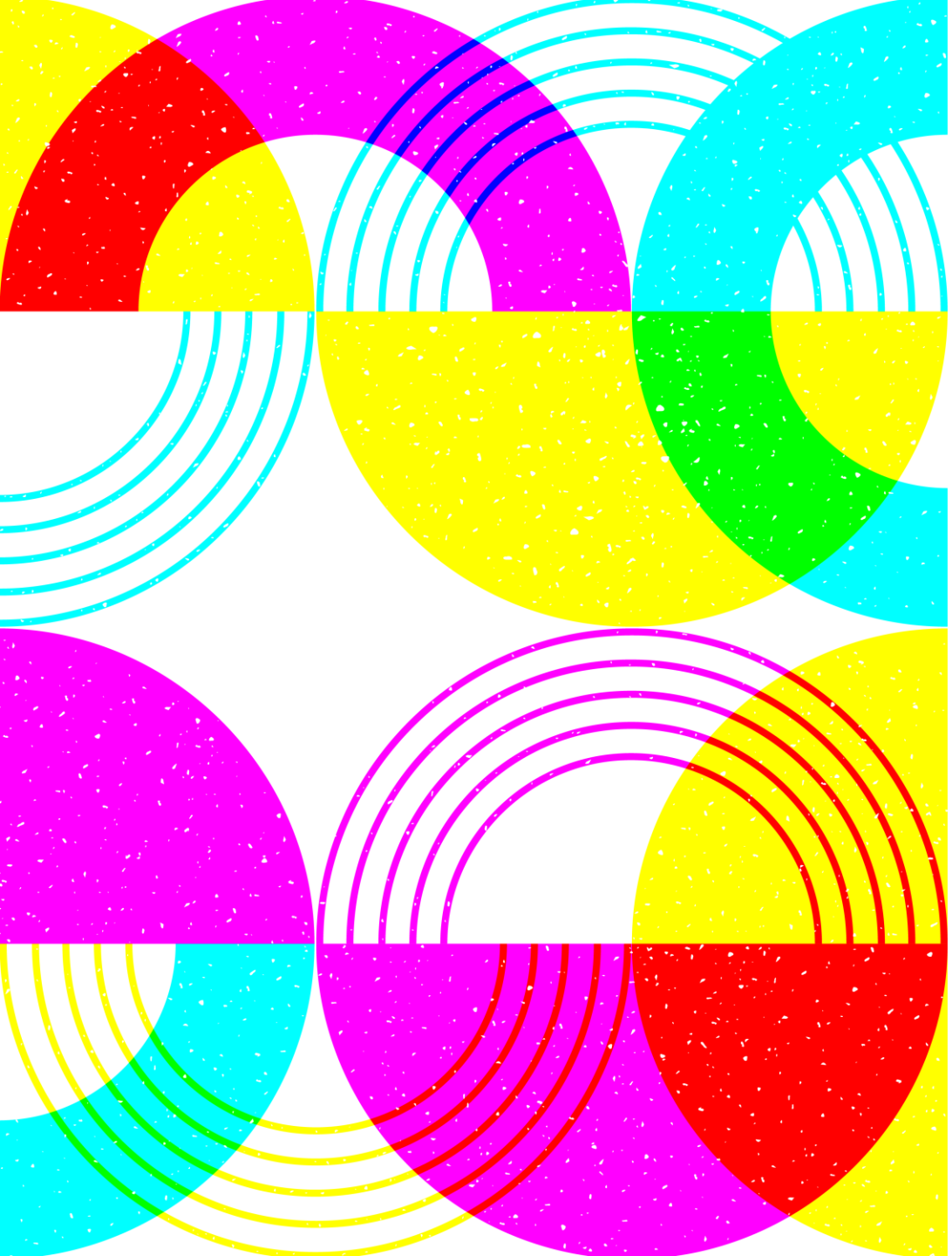
Share it!

- Choose which Groups or Users will have access and with what permissions
- Co-Owner – if authors are there, can save it, delete, share, etc.
- Viewer – can only view and interact with permissions specified when published.
- Groups and users sync from Qmlativ.



Author Pro Sneak Peek

- Building
  - Use prompts to help you get a starting point on building a visual.
- Refining
  - Make changes such as visual type, titles, axis view changes, other smaller edits to refine visuals.
- Calculated Field Builder
  - Use natural language to assist in building calculated fields for your visuals.
- Stories
  - Select visuals and prompt to create on the fly Executive Summaries.
- Topics
  - “Mini Chatbot” Authors can embed into a dashboard that is interactable by readers.



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thank you!