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Custom Styles

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Adding custom styles to visuals

Custom styles enable you to apply styling to a particular element. You can customize each visual to use CSS classes, included styles, and in-line CSS code.

When applying custom styles in , you may use several approaches:

- Defining site-wide custom styles
- Adding custom styles to dashboards
- Adding custom styles to apps
- Configuring custom styles for dashboard filters

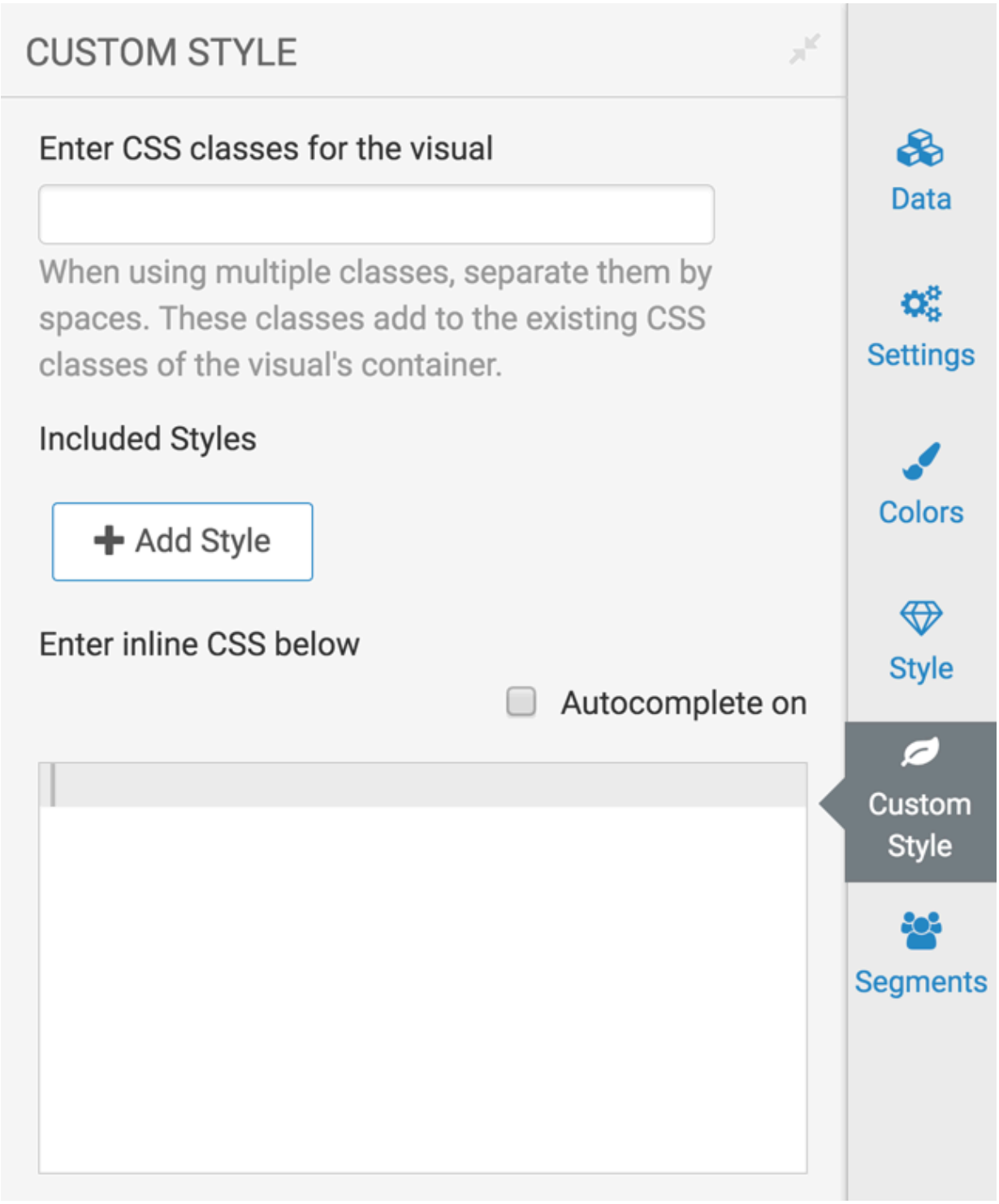
Custom styles enable you to isolate the styling to a particular element.

Note: The custom styling option is turned off by default. It can be turned on by a user with administrative privileges.

To get to the options in the Custom Style menu of the visual, follow these steps:

1. On the right side of Visual Designer, click the Custom Style menu.

2. Consider the following options available on the Custom Style menu:
   - Adding CSS Classes to Visuals
   - Adding Included Styles to Visuals
   - Adding Inline CSS code to Visuals



Related Information

Defining site-wide custom styles
Adding custom styles to dashboards

Adding custom styles to apps
Configuring custom styles for dashboard filters
Adding CSS Classes to Visuals
Adding Included Styles to Visuals
Adding Inline CSS code to Visuals

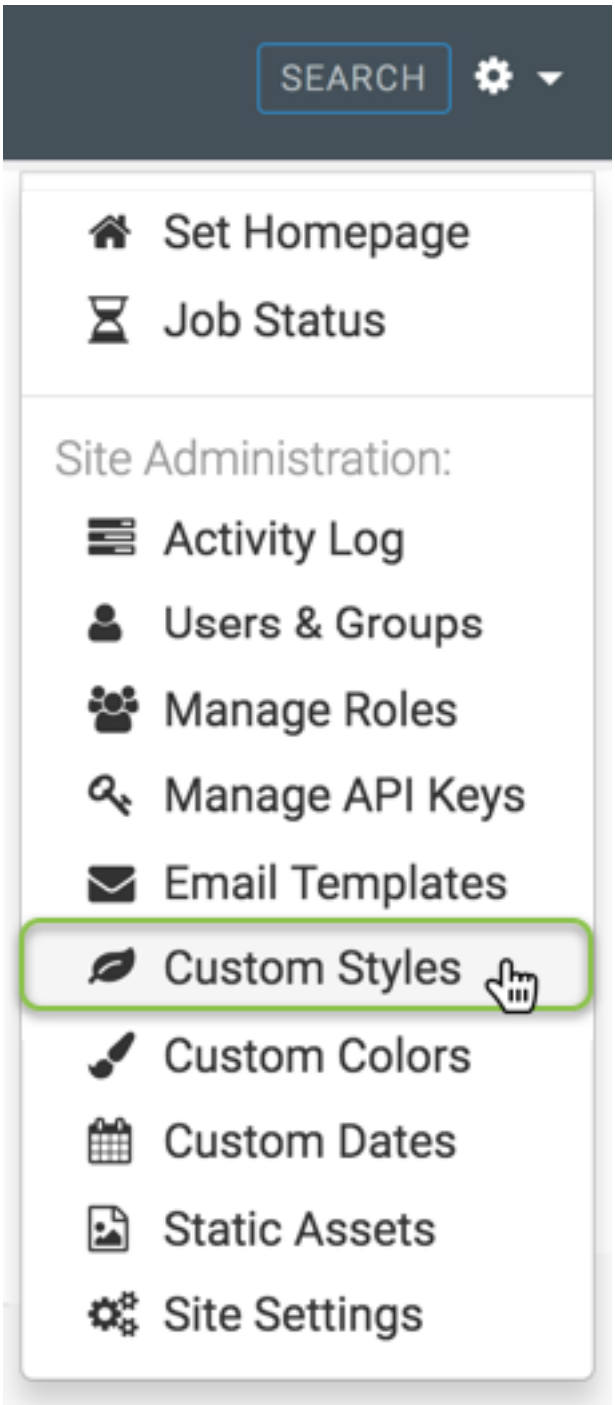
Defining site-wide custom styles

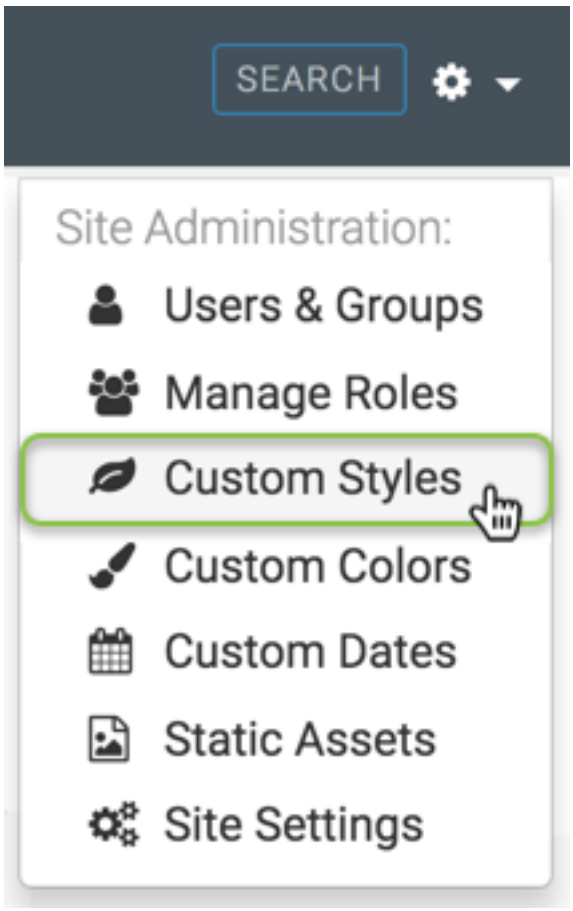
About this task

To define styling for the entire site, follow these steps:

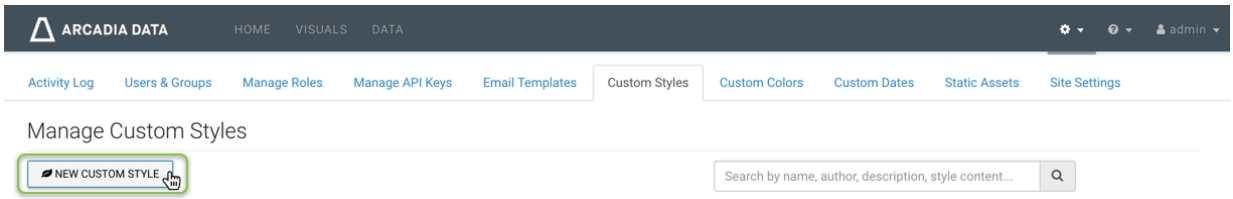
Procedure

1. Click the Gear icon at the top menu to open the Administration menu, and select Custom Styles.

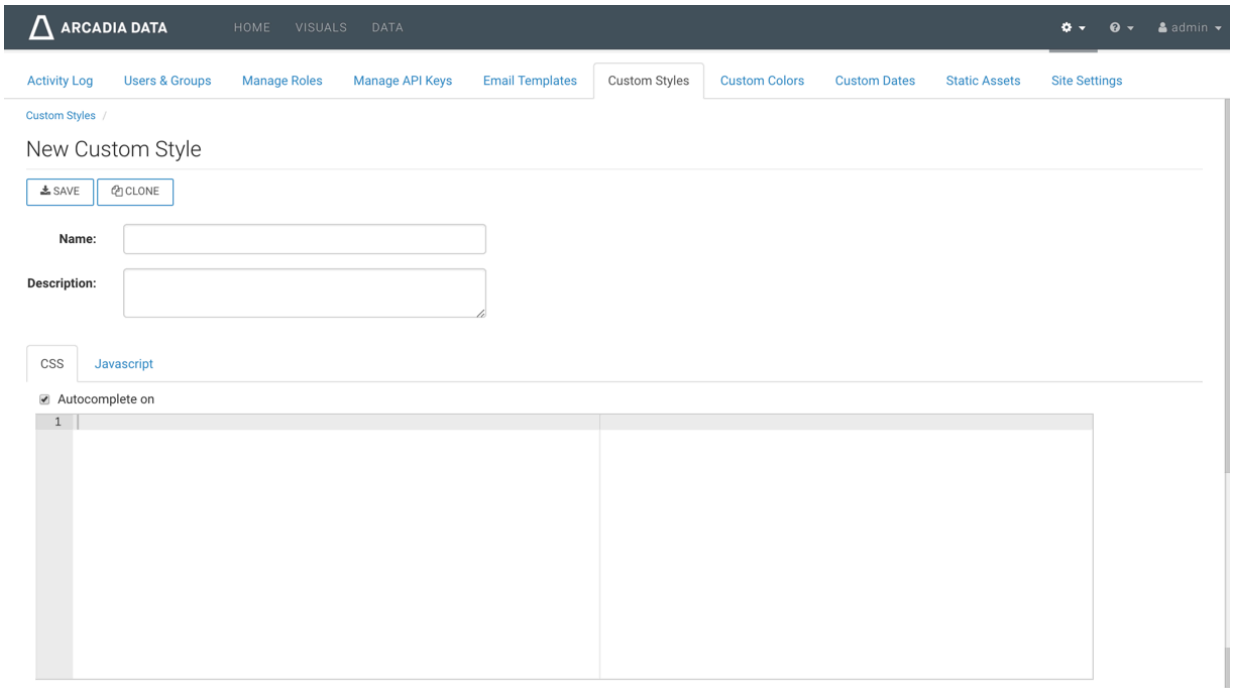



SEARCH
Site Administration:
Users & Groups
Manage Roles
Custom Styles
Custom Colors
Custom Dates
Static Assets
Site Settings

2. In the Manage Custom Styles window, click New Custom Style and click Save.



The New Custom Style interface appears.



3. Add the Name of the new custom style, and optionally, its Description.
4. Click Save.
5. Depending on your permissions, you can add CSS and Javascript (JS) styling:
   - CSS custom styles on page 9
   - JavaScript custom styles on page 12

CSS custom styles

About this task

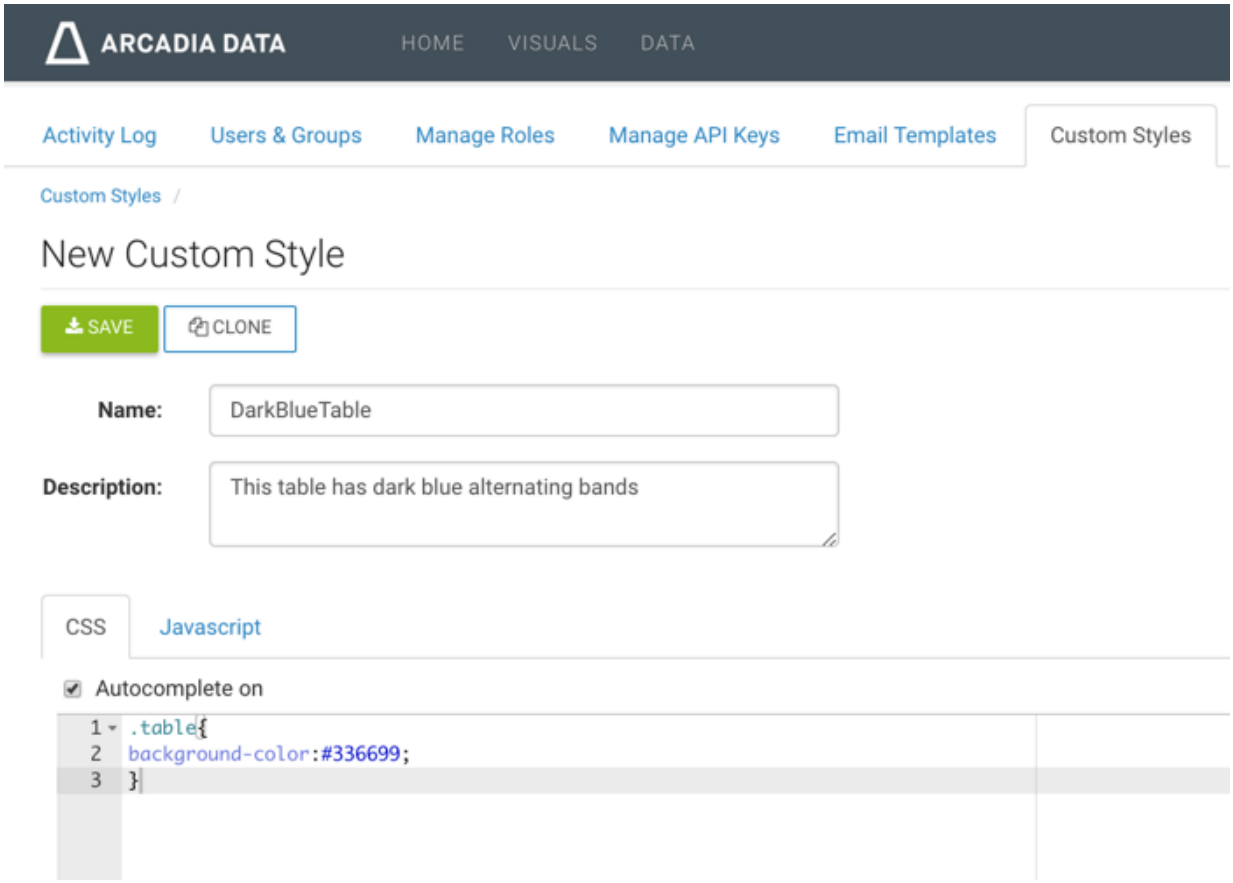
To define styling for the entire site using CSS code, follow these steps:

Procedure

1. Follow the steps in *Defining site-wide custom styles*.
2. In the Manage Custom Styles window, under Name, enter DarkBlueTable.
3. To add CSS instructions, enter the following code:

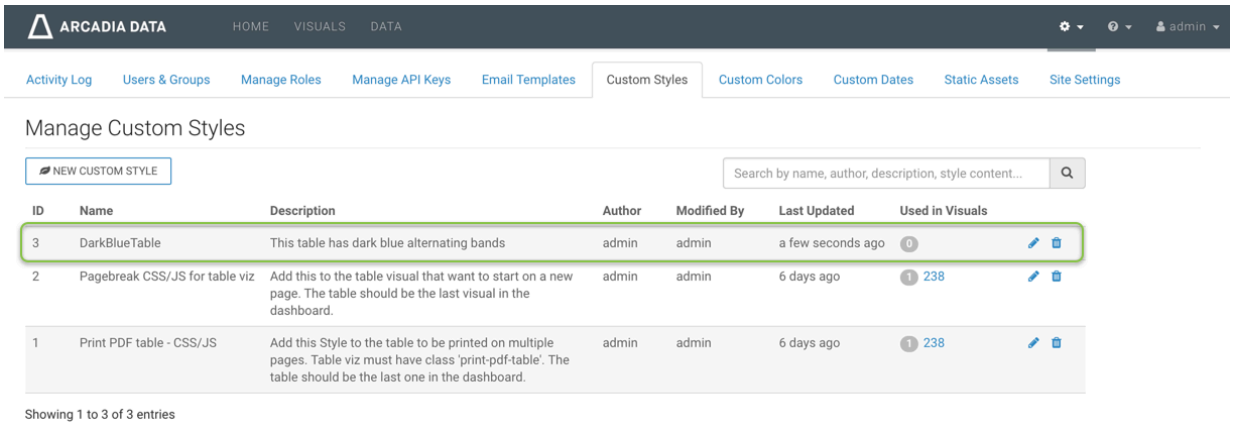
```
.table{
        background-color:#336699;
```

```
}
```


ARCADIA DATA
HOME
VISUALS
DATA
Activity Log
Users & Groups
Manage Roles
Manage API Keys
Email Templates
Custom Styles
Custom Styles /
New Custom Style
SAVE
CLONE
Name:
DarkBlueTable
Description:
This table has dark blue alternating bands
CSS
Javascript
Autocomplete on
1 .table{
2 background-color:#336699;
3 }

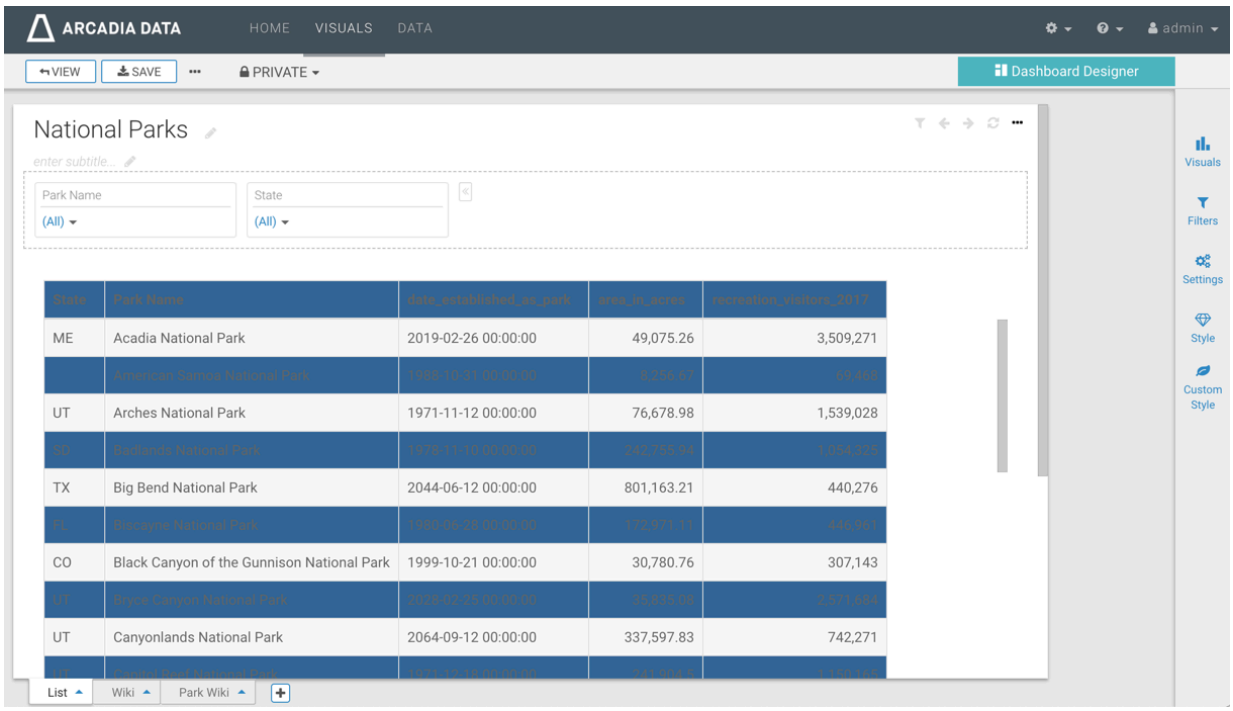
4. Click Save.

5. Notice that the Manage Custom Styles window contains the new style.

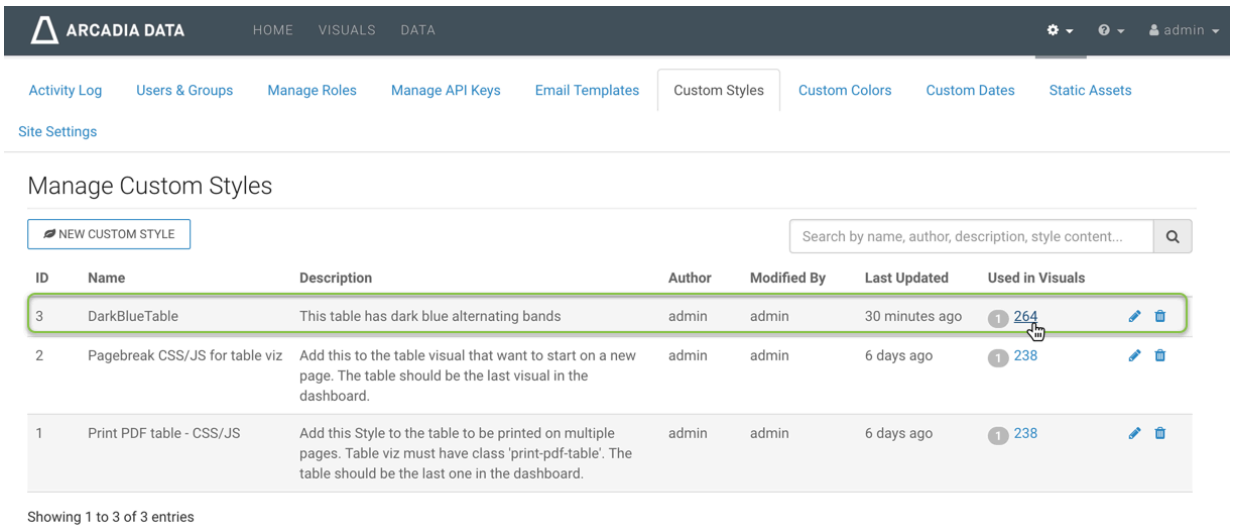


For information on how to include the new style in visual, see *Adding custom styles to visuals*.

When selected for a visual that contains a table, the style DarkBlueTable gives the table the specified coloring scheme, much like the following image.



Note that the Manage Custom Styles interface keeps track of all visuals that use each defined style. In the following image, you can see the reporting after applying the style DarkBlueTable to visualization 15. Note also that the number 15 is an active link to that visualization.



Related Information

Defining site-wide custom styles

Adding custom styles to visuals

JavaScript custom styles

About this task

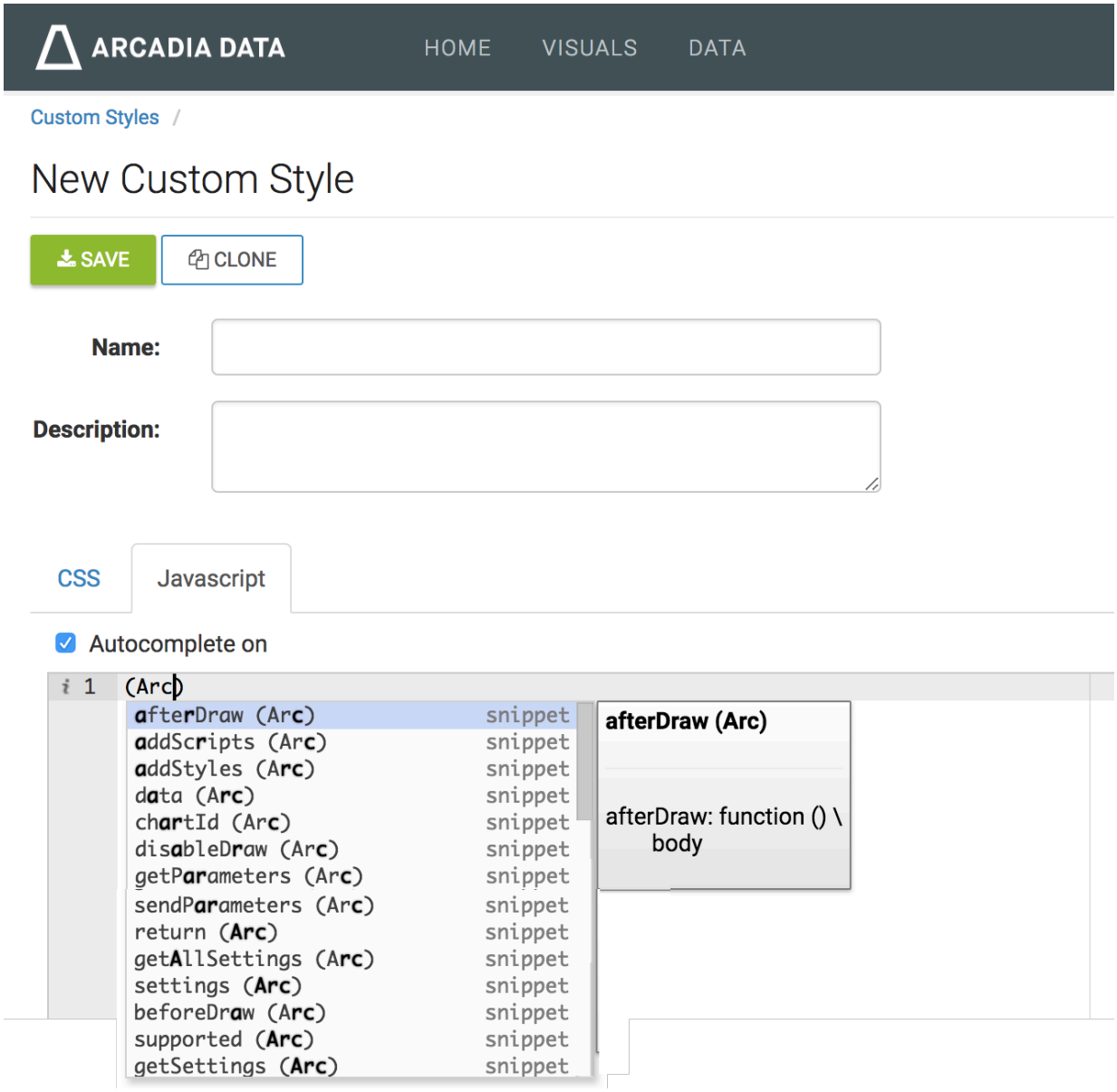
Note: This feature is limited to users who have both Manage custom styles and Manage dataset privileges. For more information on role-based access in CDP Data Visualization, see *RBAC Permissions*.

To define styling for the entire site using JavaScript (JS) code, follow these steps:

Procedure

1. Click the Gear icon at the top menu to open the Site Administration menu, and select Custom Styles. See *Defining site-wide custom styles*.
2. In the Manage Custom Styles interface, click New Custom Style, and then select the JavaScript tab.

3. If you enable the Autocomplete on option, and then type arc, you can choose from a list of Arcadia-specific APIs, such as arcapi.settings, arcapi.getSettings, arcapi.sendParameters, arcapi.getParameters, and so on.

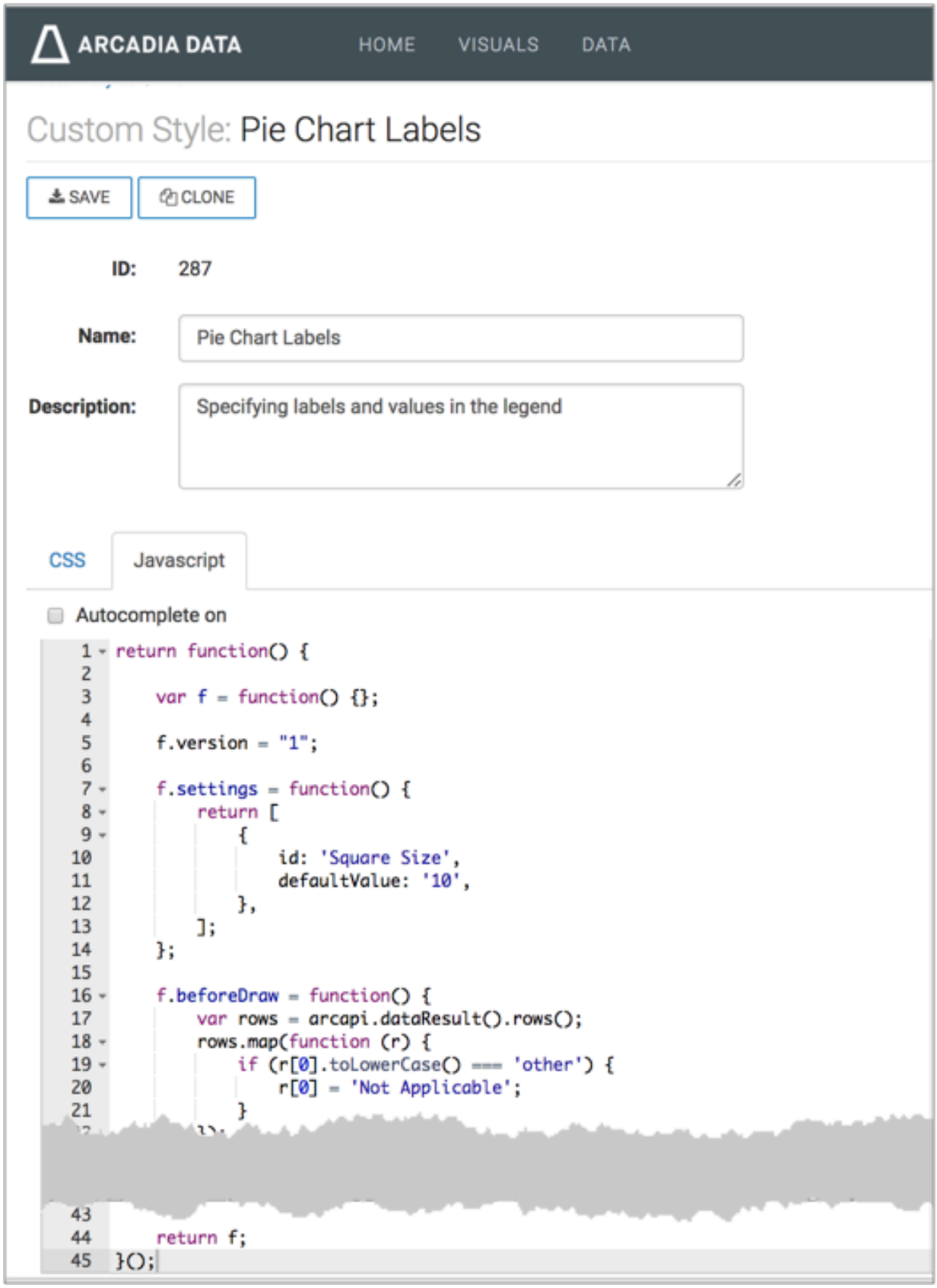


4. Under Name, enter Pie Chart Labels.
5. Under Description, enter Specifying labels and values in the legend.
6. Under the JavaScript tab, add the following code to change the name of one the labels and add values after the label name.

```
return function() {
            var f = function() {};
            f.version = "1";
            f.settings = function() {
            return [
            {
            id: 'Square Size',
            defaultValue: '10',
            },
            ];
            };
            f.beforeDraw = function() {
```

```
            var rows = arcapi.dataResult().rows();
            rows.map(function (r) {
            if (r[0].toLowerCase() === 'other') {
            r[0] = 'Not Applicable';
            }
            });
            arcapi.dataResult().rows(rows);
            };
            f.afterDraw = function() {
            var rows = arcapi.dataResult().rows();
            var length = $('#' + arcapi.chartId() + ' .viz-base-legend-g'
).children('text').length;
            var total = d3.sum(rows, function(row) { return +row[1]; });
            var legendlabel;
            var fmt = d3.format(",");

            rows.forEach(function(d, i) {
            for (var c=0; c < length; c++ ){
            legendlabel = $('#' + arcapi.chartId() + ' .viz-base-legend-g
 text')[c].innerHTML;
            if(legendlabel == d[0]){
            $('#' + arcapi.chartId() + ' .viz-base-legend-g text')[c].inn
erHTML = legendlabel + ' (' + fmt(+d[1]) + ')';
            }
            }
            });
            };
            return f;
```

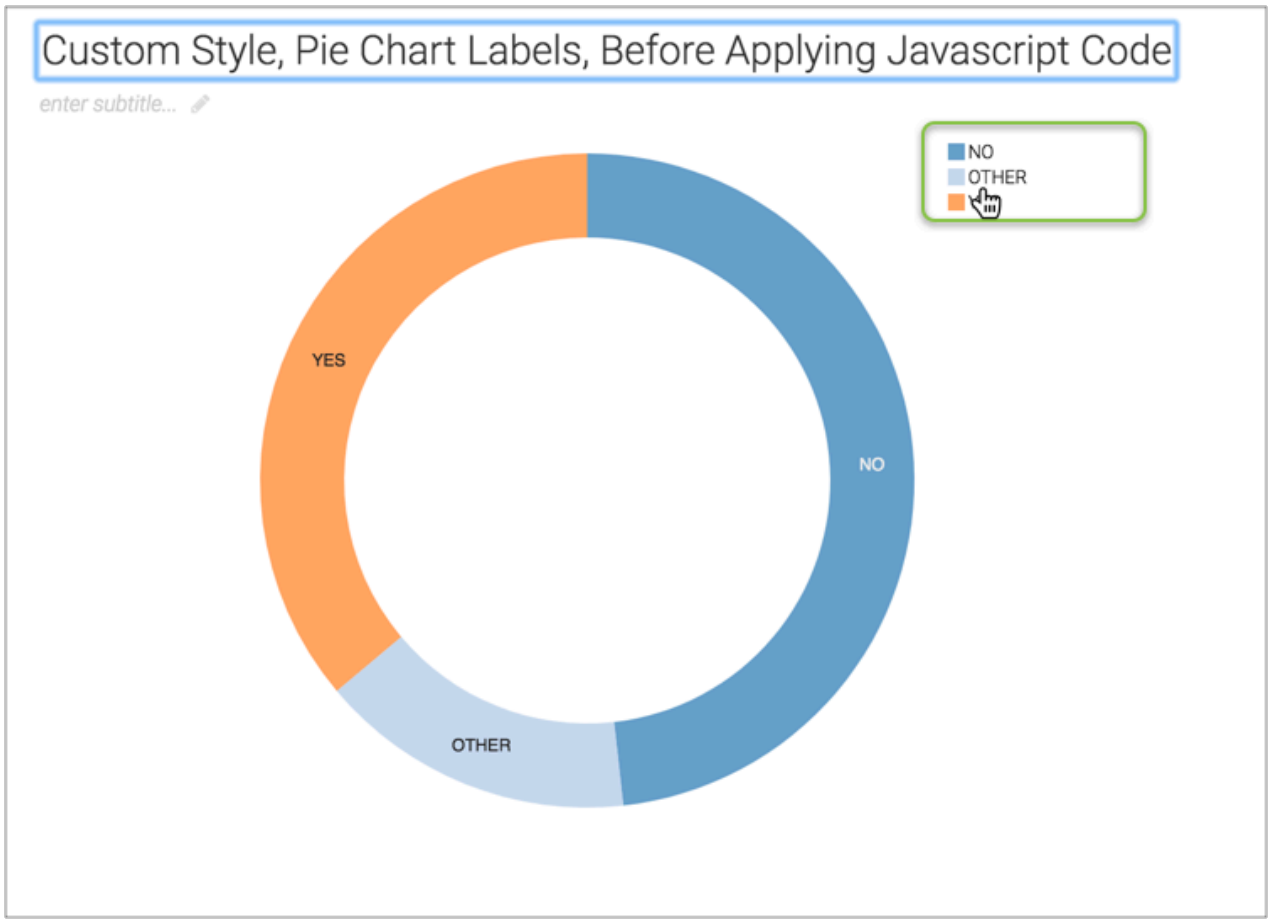
```
        }());
```


ARCADIA DATA
HOME
VISUALS
DATA
Custom Style: Pie Chart Labels
SAVE
CLONE
ID:
287
Name:
Pie Chart Labels
Description:
Specifying labels and values in the legend
CSS
Javascript
Autocomplete on
return function() {
var f = function() {};
f.version = "1";
f.settings = function() {
return [
{
id: 'Square Size',
defaultValue: '10',
},
];
};
f.beforeDraw = function() {
var rows = arcapi.dataResult().rows();
rows.map(function (r) {
if (r[0].toLowerCase() === 'other') {
r[0] = 'Not Applicable';
}
return f;
}());

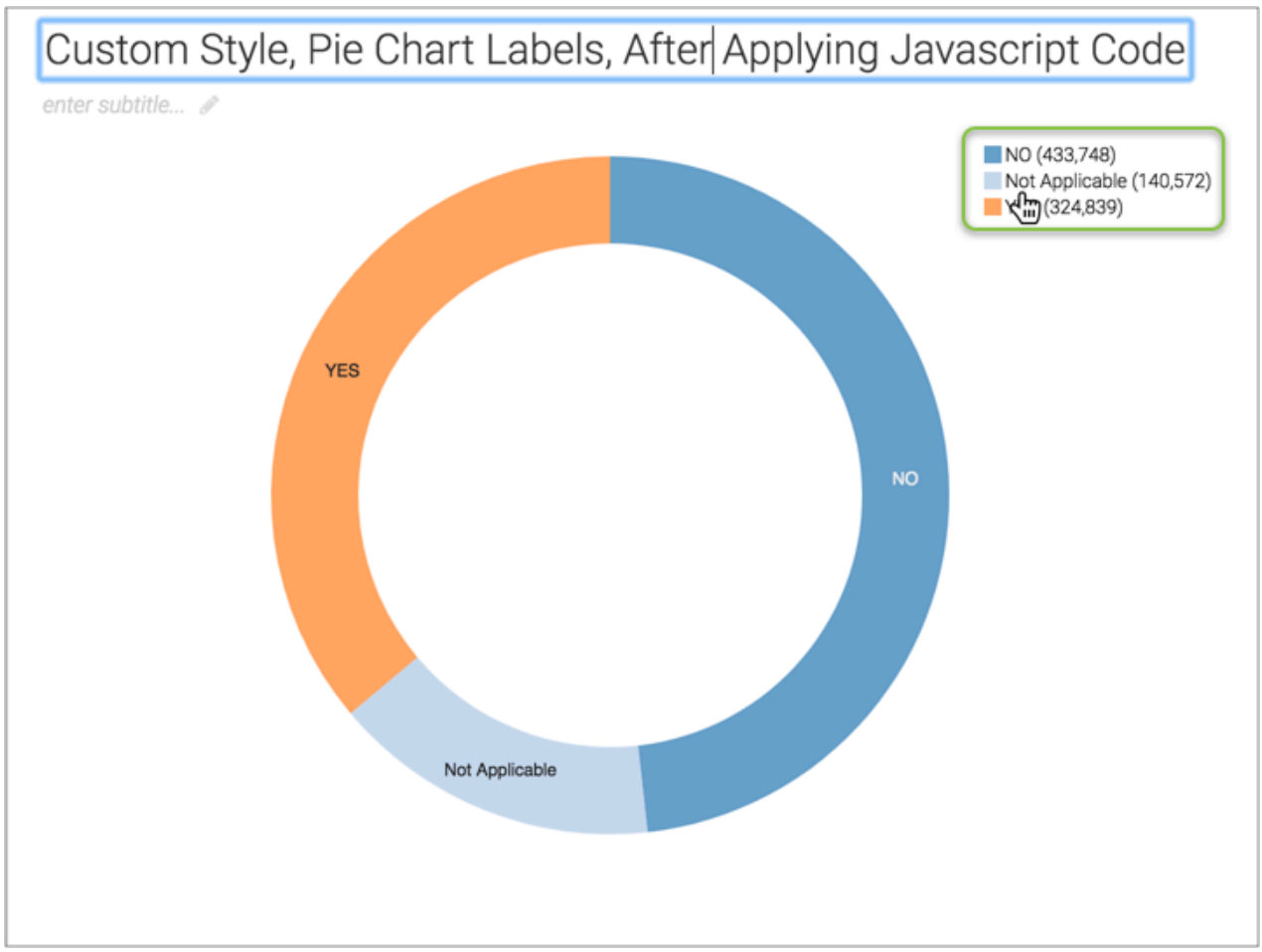
7. Click Save.

Results

The following image shows the pie chart before applying the JavaScript code. The legend in the pie chart displays label names without values. Also, one of the labels is named Other.

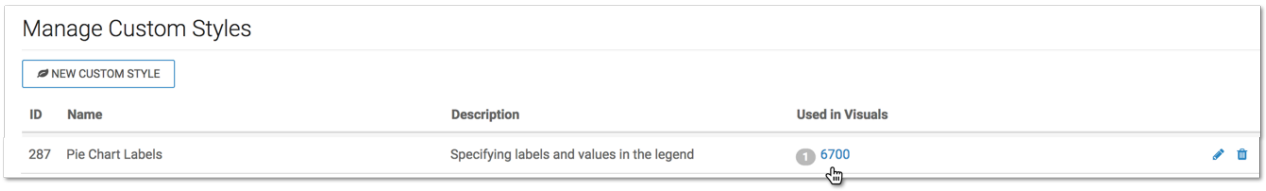


The following image shows the pie chart after applying the JavaScript code. The legend in the pie chart now displays the values in the legend. Also, the second legend label name is renamed from Others to Not Applicable.



Note that the Custom Styles interface keeps track of all visuals that use each defined style.

Here, you can see that the Custom Styles interface lists the new style, Pie Chart Labels, and that it applies to visualization with ID 6700. Note also that this ID is an active link to the visualization.



Related Information

Defining site-wide custom styles

RBAC Permissions

Modifying site-wide custom styles

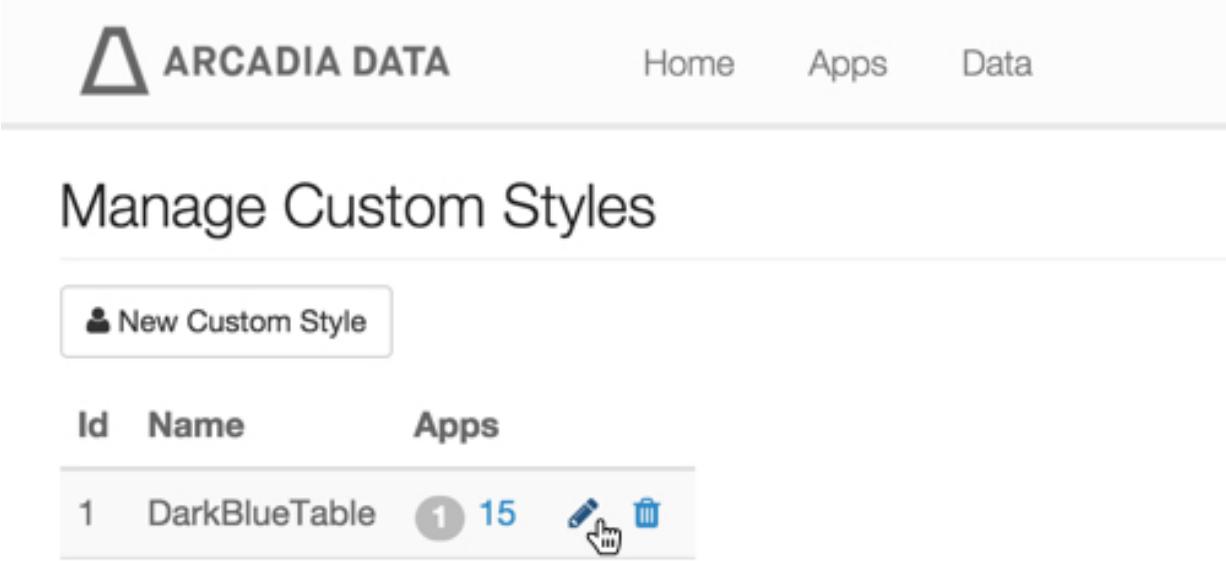
About this task

To edit the existing site-wide custom styles, follow these steps.

Procedure

1. In the Manage Custom Styles window, click the Pencil icon next to the custom style you want to edit.

   In this case, we are editing the custom style DarkBlueTable.



2. In the Custom Style: DarkBlueTable window, make the necessary changes, and then click Save.

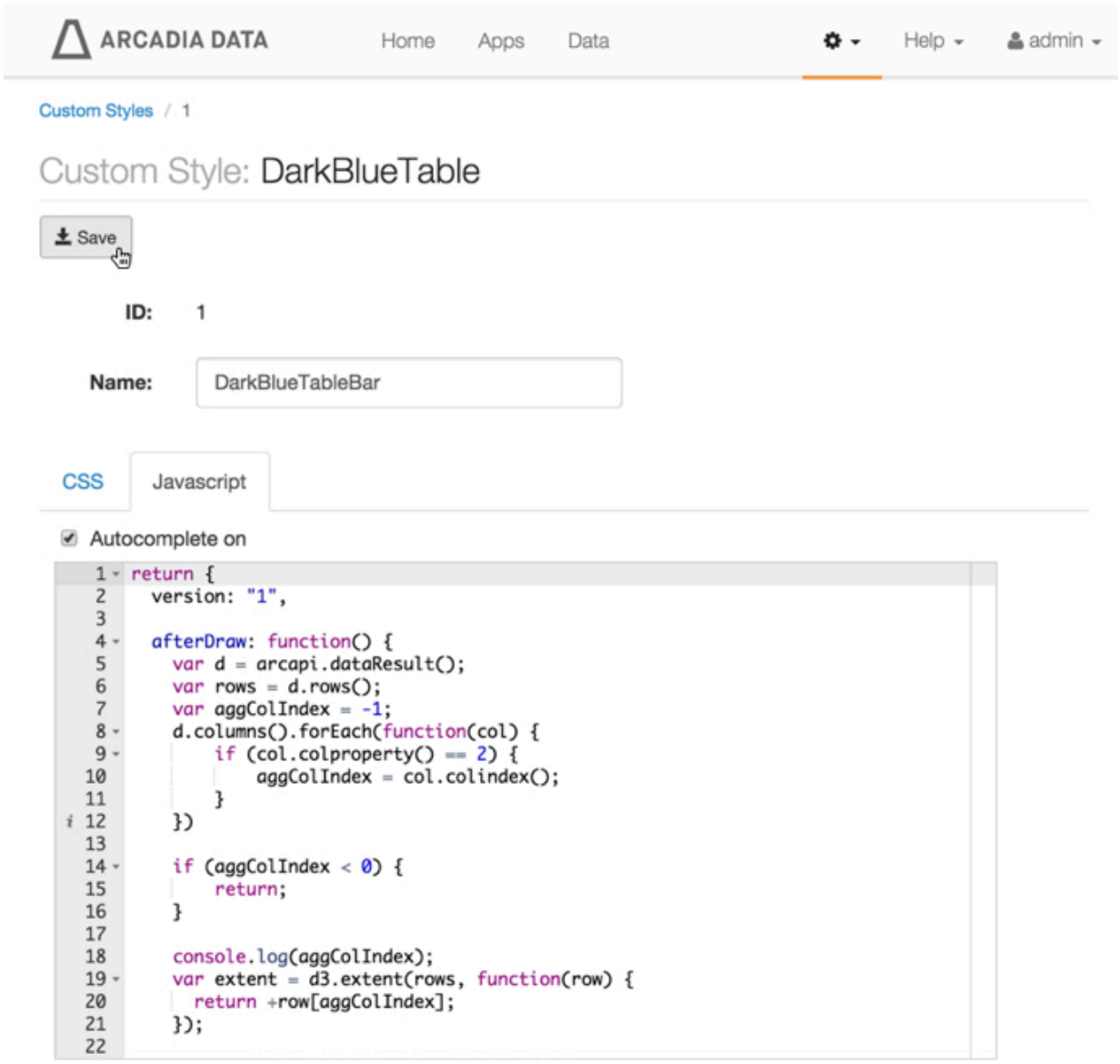
   You can also rename the style to DarkBlueTableBar.

   In this example, we clicked the Javascript tab, and added some code to convert the last aggregate column to a proportionally sized horizontal bar.

```
return {
            version: "1",

            afterDraw: function() {
            var d = arcapi.dataResult();
            var rows = d.rows();
            var aggColIndex = -1;
            d.columns().forEach(function(col) {
            if (col.colproperty() == 2) {
            aggColIndex = col.colindex();
            }
            })

            if (aggColIndex < 0) {
            return;
            }

            console.log(aggColIndex);
            var extent = d3.extent(rows, function(row) {
            return +row[aggColIndex];
            });

            var scale = d3.scale.linear()
            .domain(extent)
            .range([5, 80]);

            console.log(extent);
            d3.selectAll("#" + arcapi.chartId() + " .table tbody tr :nth-
child(" + (aggColIndex + 1) + ")")
            .text("")
```

```
            .append("div")
            .style("background-color", "black")
            .style("height", "15px")
            .style("width", function(d, i) {
            var m = +rows[i][aggColIndex];
            var w = scale(m);
            return w + "px";
            });
            }
```

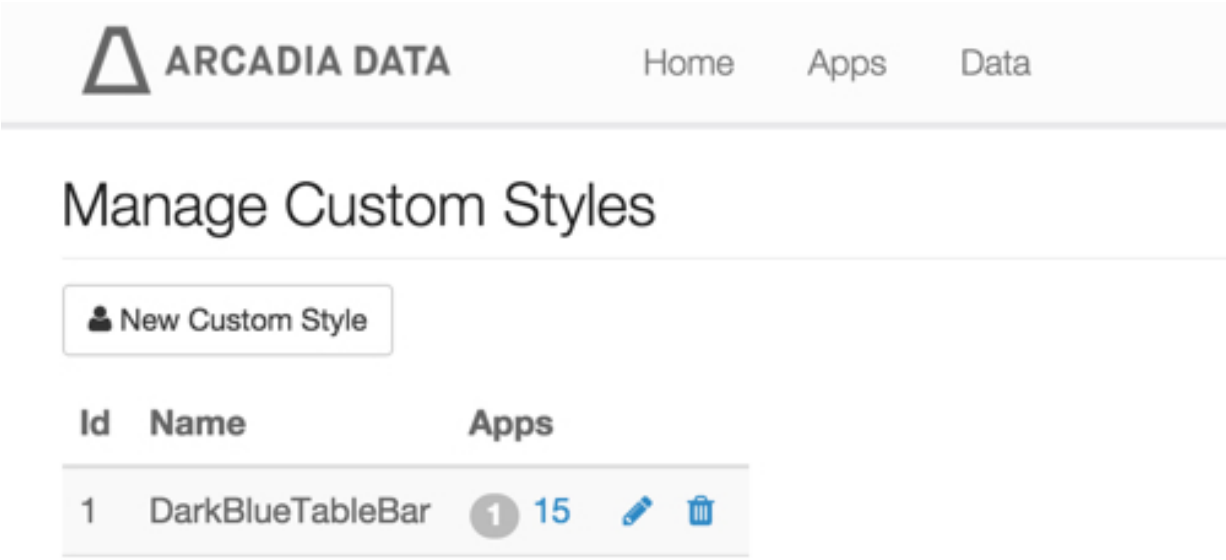
```
        };
```



The resultant changes in the table visual.

year	state	sum(population)
2010	AR	
2010	CA	
2010	VA	
2010	LA	
2010	ME	
2010	WY	
2010	TN	
2010	AK	
2010	MO	
2010	TX	

Note also that because we changed the name of an existing custom style to DarkBlueTableBar, there is a corresponding update in the Manage Custom Styles window.



Deleting site-wide custom styles

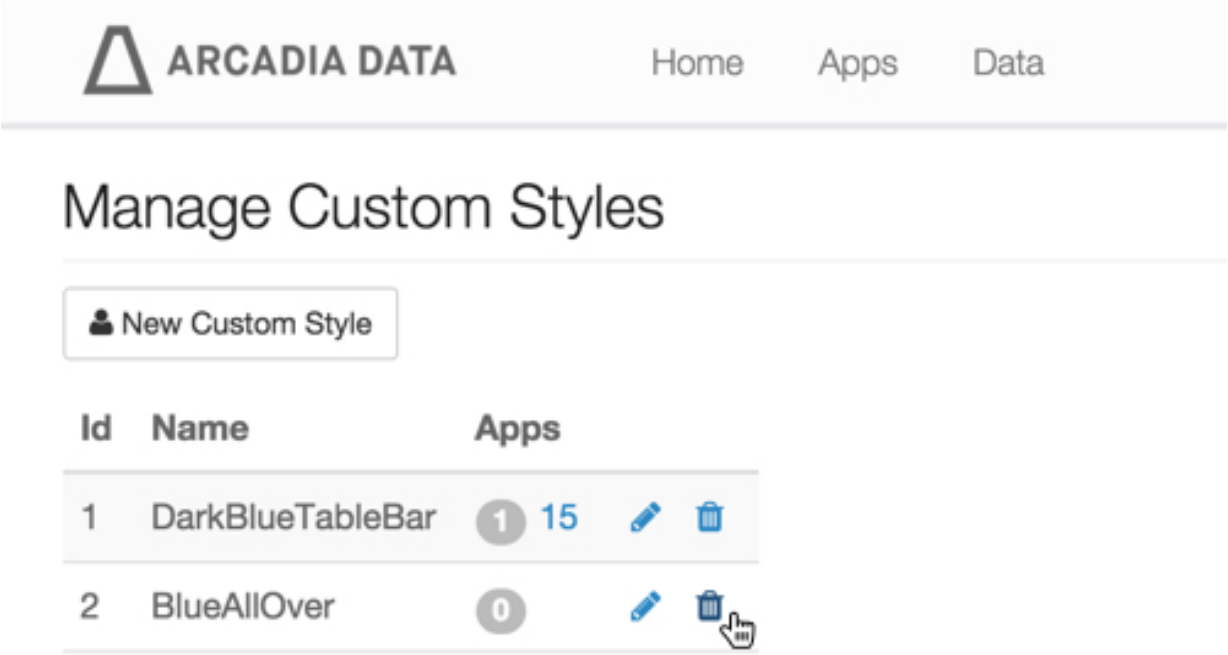
About this task

To remove existing site-wide custom styles, follow these steps.

Procedure

1. In the Manage Custom Styles window, click the Trashcan icon next to the custom style you want to edit.

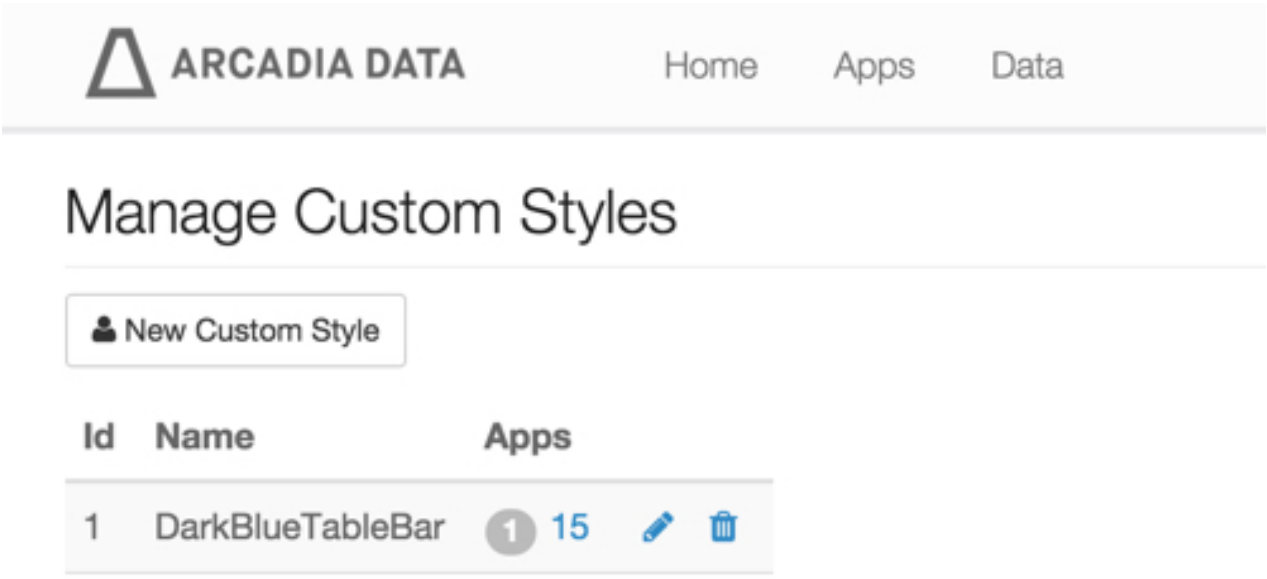
   In this example, we are deleting the custom style BlueAllOver.



2. In the Delete Confirmation window, type DELETE, and then click Delete.

Results

The recently deleted style is no longer listed in the Manage Custom Styles window.



Searching site-wide custom styles

enables you to search site-wide custom styles by Name, Description, Author, and Modified By fields. You can also search by the content of CSS and Javascript code.

About this task

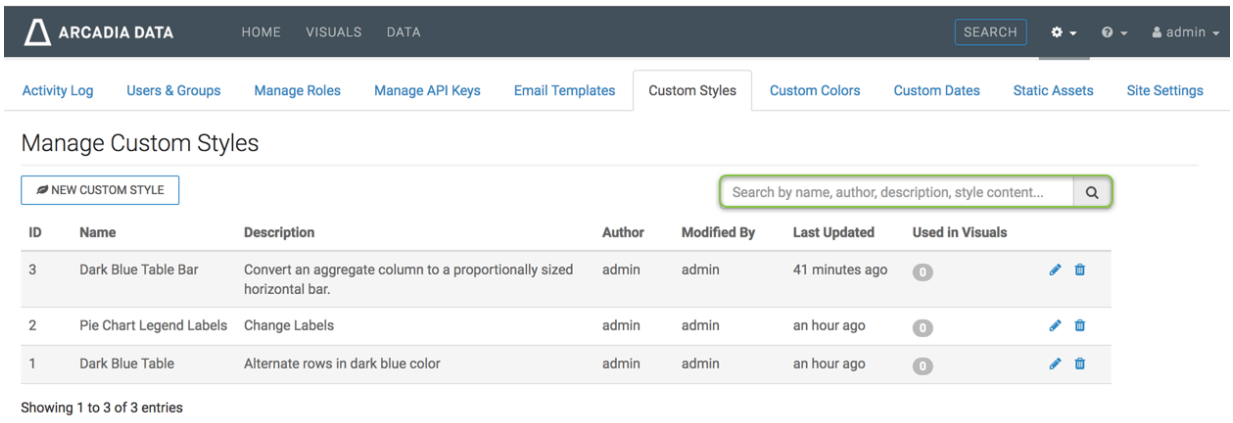
When you start typing characters in the search text box, the search results display the exact match on the top, followed by the closest matches. You must type at least two characters to start the search.

To demonstrate how to search site-wide custom styles, follow these steps:

Procedure

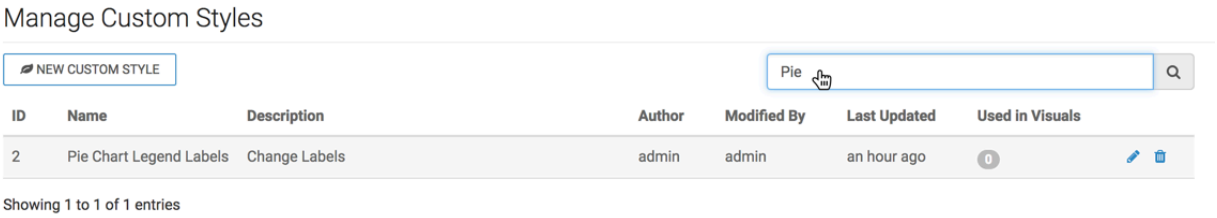
1. In the Manage Custom Styles interface, create new custom styles or use the existing styles.

   You can find the search text box on the top right.



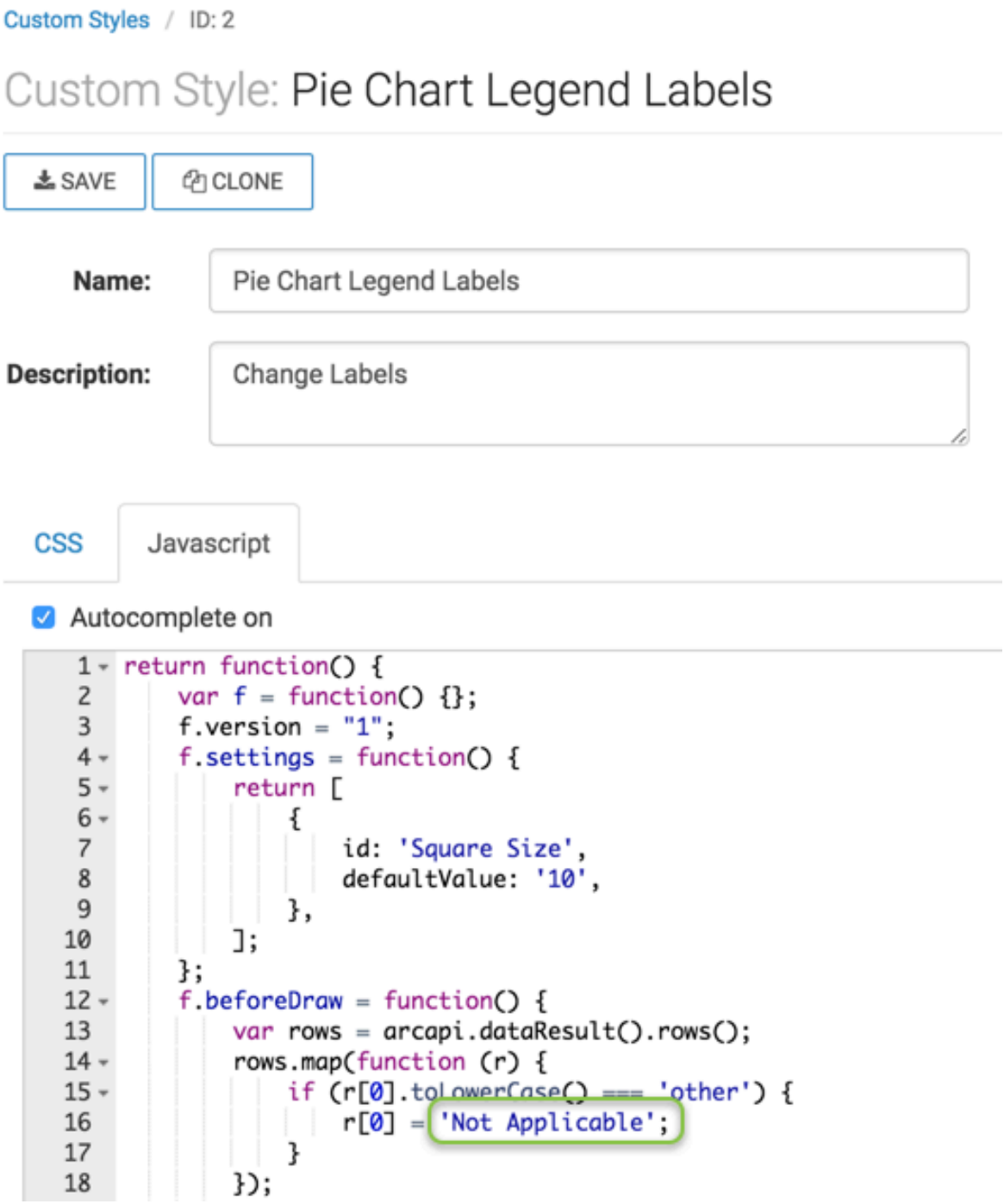
2. To demonstrate how to search the list of custom styles, enter Pie in the Search text box.

   In this exmaple, the Pie Chart Legend Label custom style is filtered from the list.



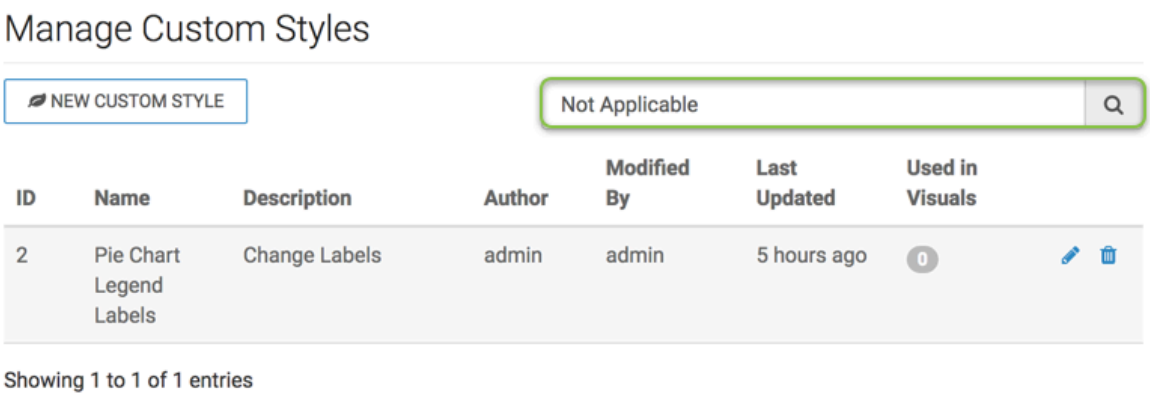
3. To search the list of custom styles by javascript code, follow these steps:
   a) Click the Pencil icon next to the Pie Chart Legend Label to view the javascript code of this style.

   In our example, we search by Not Applicable from the javascript code.



   b) Enter Not Applicable in the Search text box.

   In this example, the Pie Chart Legend Label custom style is filtered out of the list of custom styles.



Sorting site-wide custom styles

enables you to sort site-wide custom styles by ID, Name, Author, Modified By, Last Updated, and Used in Visuals fields. You can sort in ascending and descending order.

About this task

Note: You cannot sort by the Description field.

To demonstrate how to sort site-wide custom styles, follow these steps:

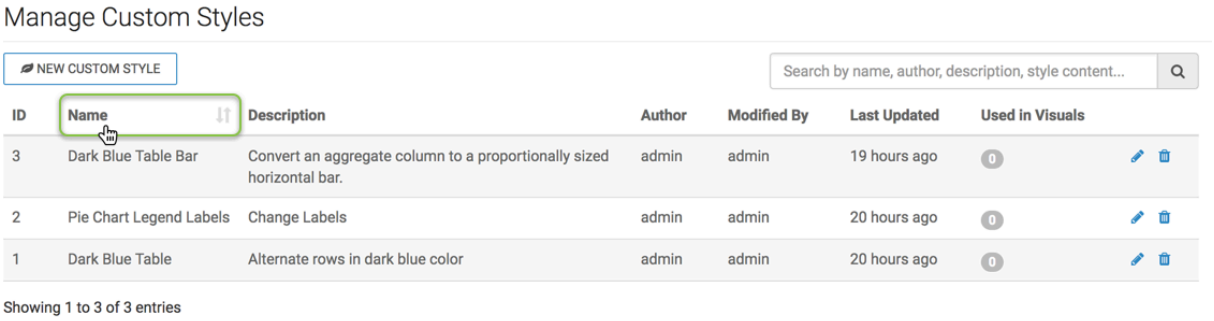
Procedure

1. In the Manage Custom Styles interface, create new custom styles or use the existing styles.

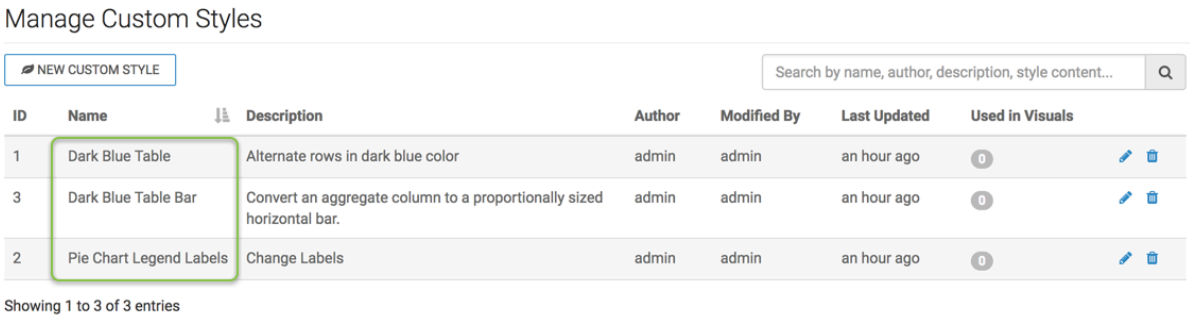
   In this example, we are sorting by the name of the custom styles.

2. Click the Name field.

   When you hover over a field, a hand icon appears only on the fields that you can sort.



   In the following image, the Name field is sorted in ascending order and a sort icon appears next to the field.



3. To sort the field in descending order, click the Name field again.