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## Click Behavior Between Visuals

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# Creating the control visual

## Procedure

1. Open (or create) a visual based on US State Population Over Time dataset.

The specifics for a sample visual follow:

- Dataset: US State Population Over Time
- Visual type: map
- Geo shelf: state field
- Measures shelf: population field, as sum(population)
- Filters shelf: year field, as year in (2010)

2. Click Refresh Visual.

X:

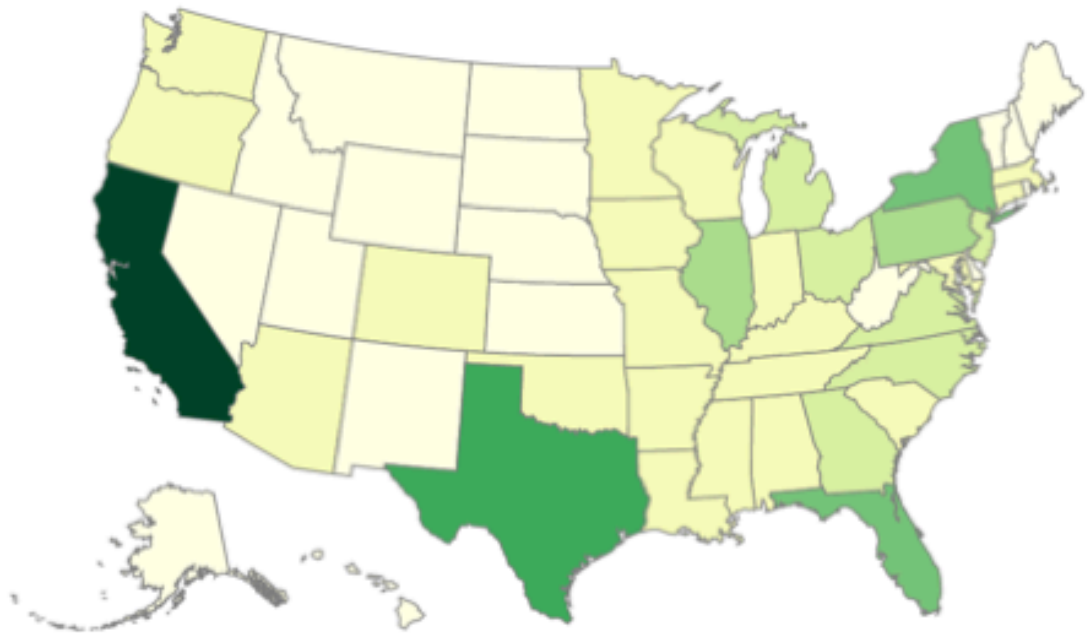
Y:

• Geo:

• Measures:

Tooltips:

Filters:



3. Name this Control Visual, and save it.

## Creating the target visual

### About this task

Open (or create) a visual based on US County Population dataset.

## Procedure

1. The specifics for a sample visual follow:

- Dataset: US County Population
- Visual type: map
- Geo shelf: sname field, aliased as state, and ctname field, aliased as country
- Measures shelf: add tot\_pop field, then change the expression to sum([tot\_pop]) as 'population'
- Tooltips shelf: add tot\_male field and change the expression to sum([tot\_male]) as 'males', and add tot\_female field and change the expression to sum([tot\_female]) as 'females'
- On the Measure and Tooltips shelves, change the Display Format for each field by adding the comma thousands separator.
- Filters shelf: year field, change expression to year=5, and agegrp field, change expression to agegrp=0

2. Click Refresh Visual.

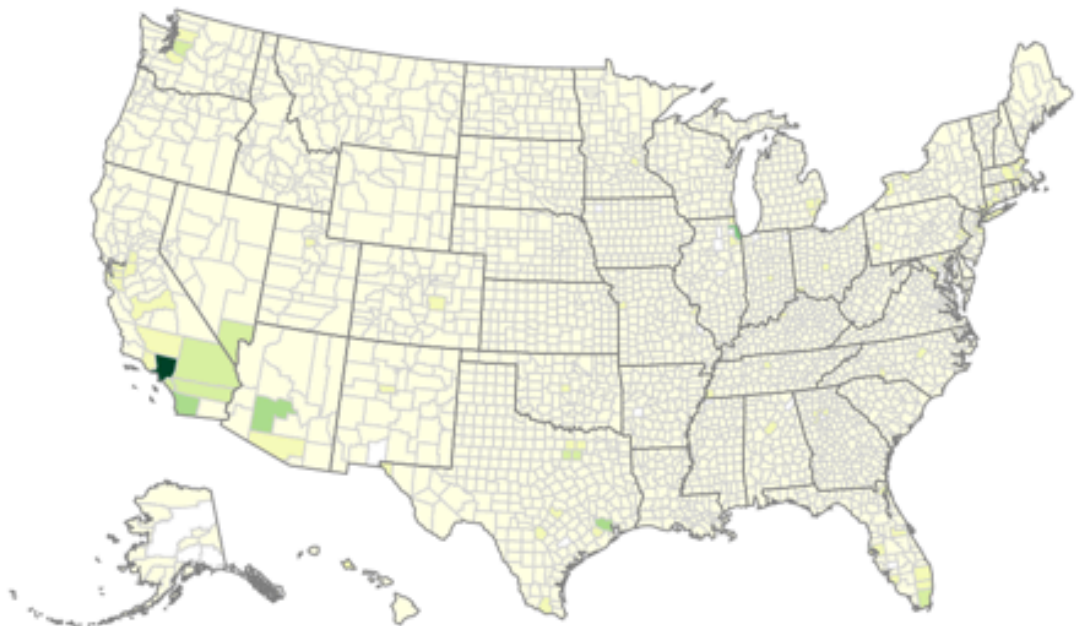
X:

Y:

• Geo:

• Measures:

Tooltips:



3. Name this Target Visual, and save it.

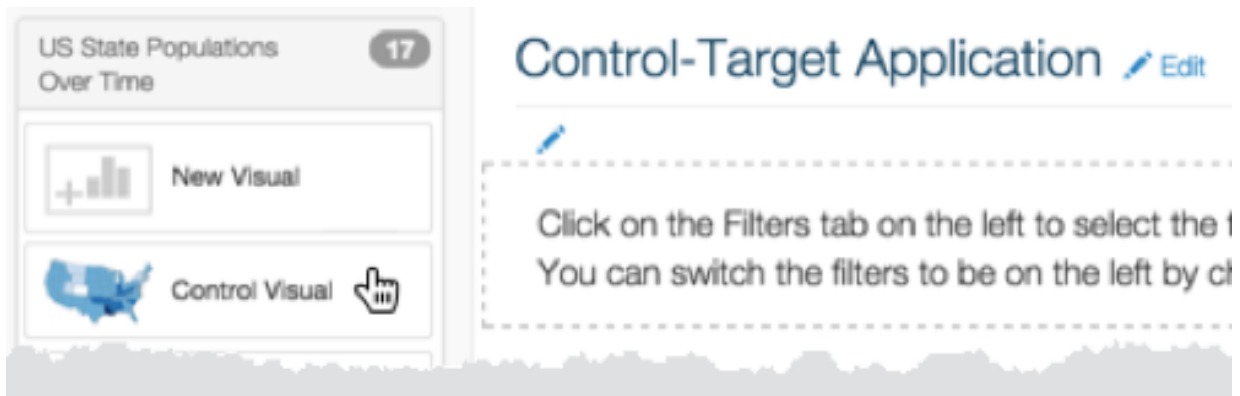
## Creating the application and enabling click

### About this task

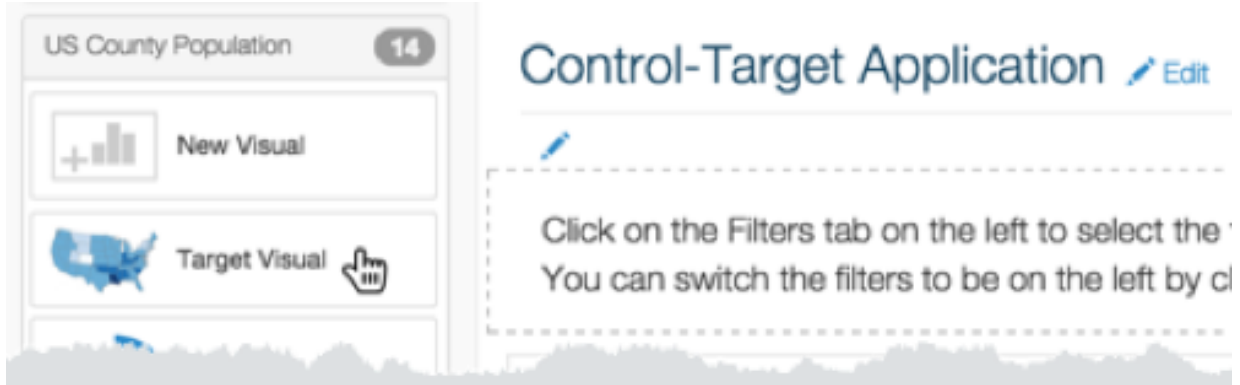
Create an application for the two visuals, Control Visual and Target Visual.

### Procedure

1. Click New App, and name it Control-Target Application.
2. Select the Visuals tab.
3. Click to expand the US State Populations Over Time grouping, and select Control Visual.



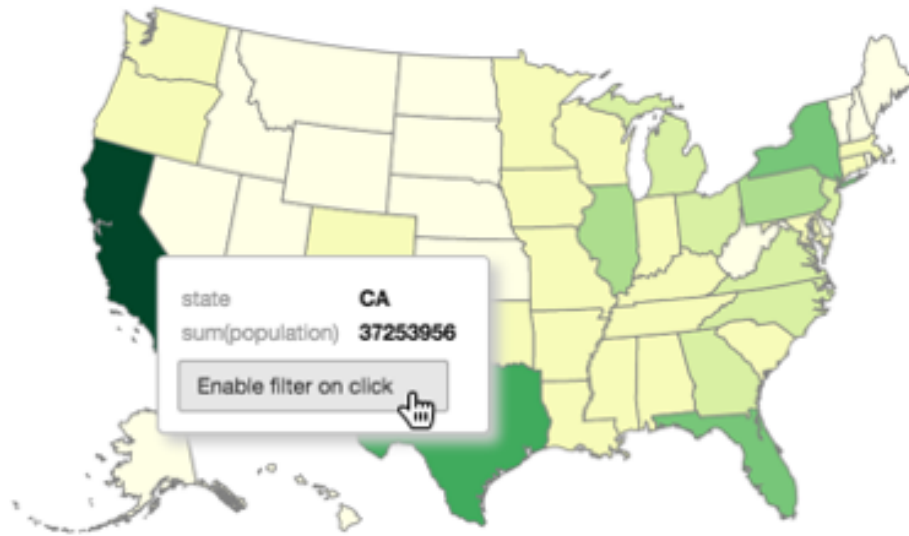
4. Click to expand the US County Population grouping, and select Target Visual.



5. To enable parameter passing between the two visuals (in this case the parameter is state), left-click on one of the states in the Control Visual until the control menu appears.

6. Click Enable filter on click.

Control Visual



7. Save the app.

## Enabling click receive on the target visual



**Procedure**

1. Edit the Target Visual.



2. Add the field state\_names state to the Filters shelf.
3. Edit the expression for the new filter to [state\_names state] = ('<<state>>'), validate, and save.

X:

Y:

\* Geo:

\* Measures:

Tooltips:

Filters:

4. Save the visual.

## Exploring the click behavior

### About this task

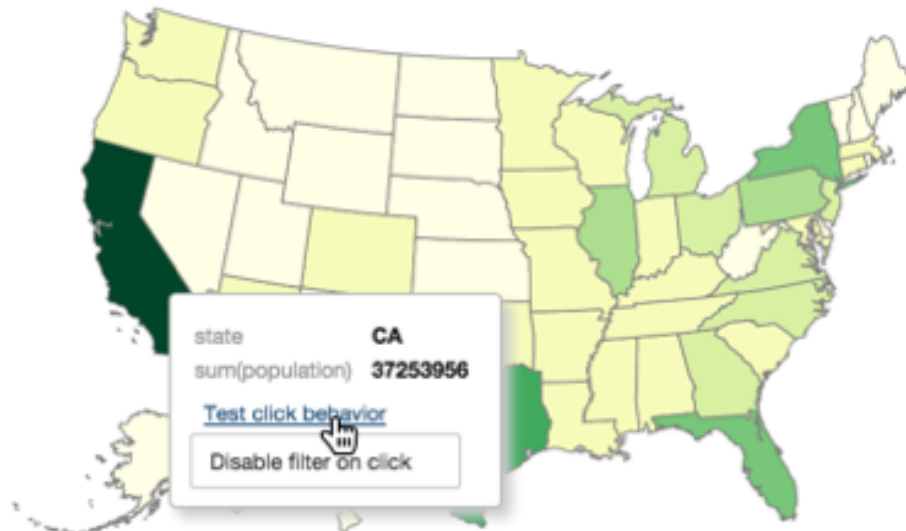
Before starting, make sure to refresh the browser page to load the updated Target Visual.

Note that it does not show a map.

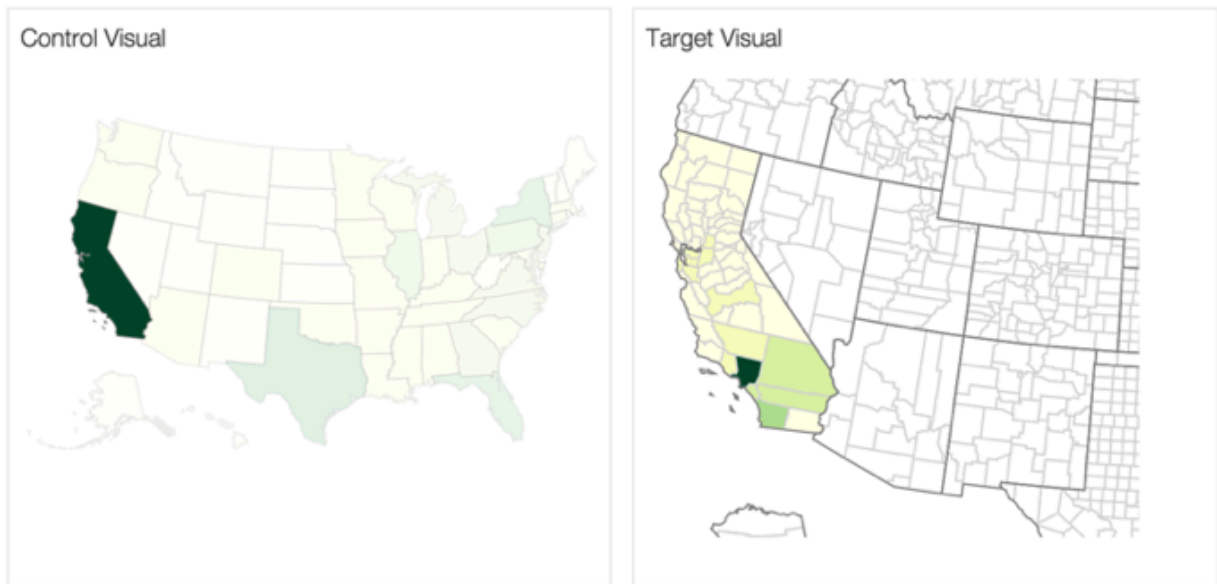
### Procedure

1. In the Control Visual, left-click on one of the states (California) until the control menu appears. Click Test click behavior.

### Control Visual



- The Target Visual changes, zooming in on the California portion of the map, displaying population density in county choropleth mode.



- Save the App, and open it in View mode. Note that every click on a state region in the Control Visual refreshes the Target Visual.