

Exercise 13: GTD Filter Actions

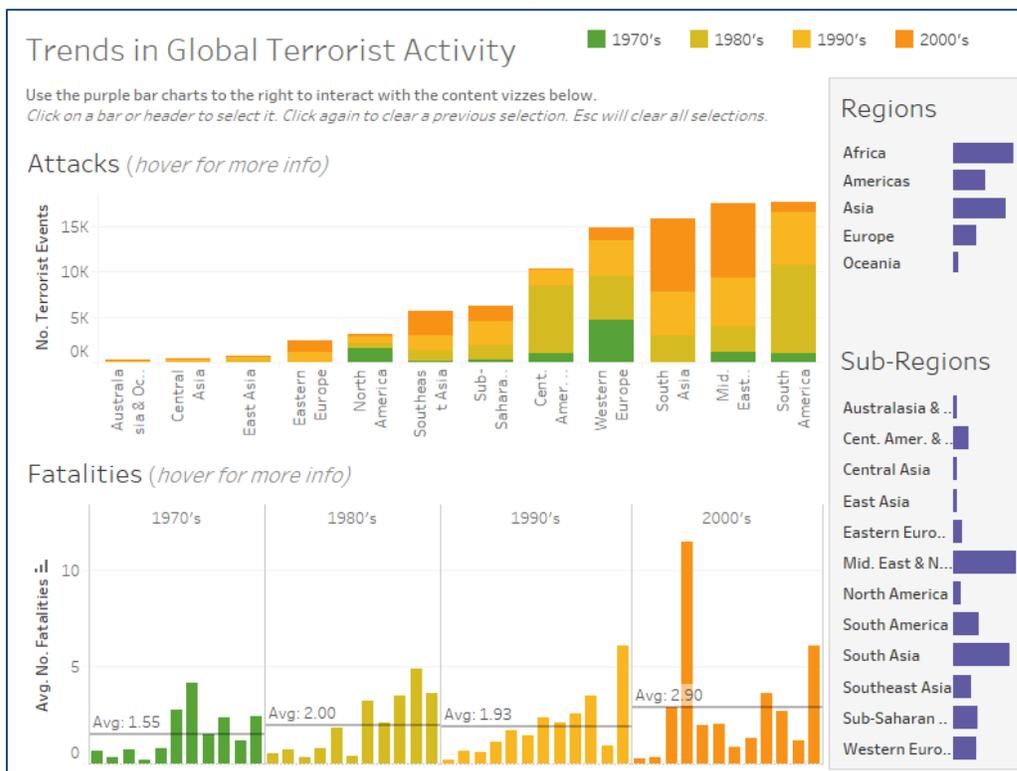
Custom Dashboard

Objectives

1. Build a custom dashboard for global terrorist activity from 1970-2010
2. Learn how to link vizzes together with highlighting and filter actions to make the dashboard more compelling to the end user

Build a Custom Dashboard

Open the **Exercise 13 GTD Filter Actions** Starter workbook. The data for this exercise comes from the Global Terrorism Database (GTD), where each row represents a terrorist event that occurred between 1970 and present day. First, build the following dashboard called 'Trends in Terrorist Activity' using the created vizzes, 'Attacks', 'Fatalities', 'Regions' and 'Subregions'. Use the dashboard tools and techniques you learned in Tableau Essentials I to build the following dashboard (*hint: use horizontal & vertical objects and the format pane*):

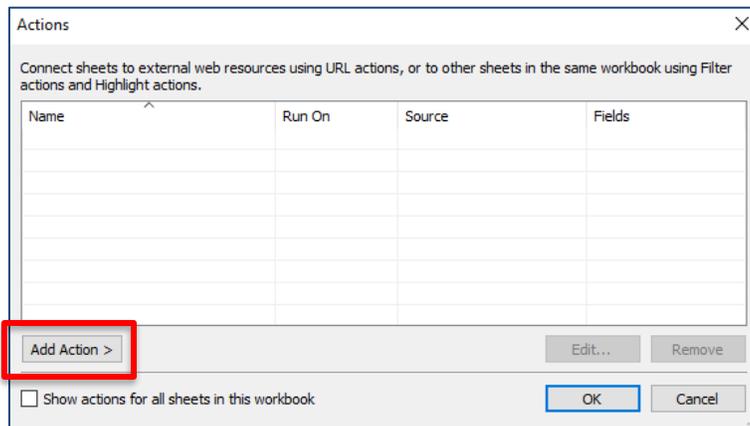


Dashboard Actions

In this next section you will increase the usefulness of the dashboard you've created by linking the visualizations together using filter and highlighting actions. Using sheets as controls in this way can make a dashboard more compelling for the end user. The primary goal is to use the bar charts on the right of the dashboard to filter the two main vizzes. Follow the steps to apply the following actions:

- Regions bar chart should:
 - Filter the main visualizations
 - Highlight the subcategory chart
- Sub-Regions bar chart should:
 - Highlight the Attacks visualization
 - Filter the Fatalities visualization

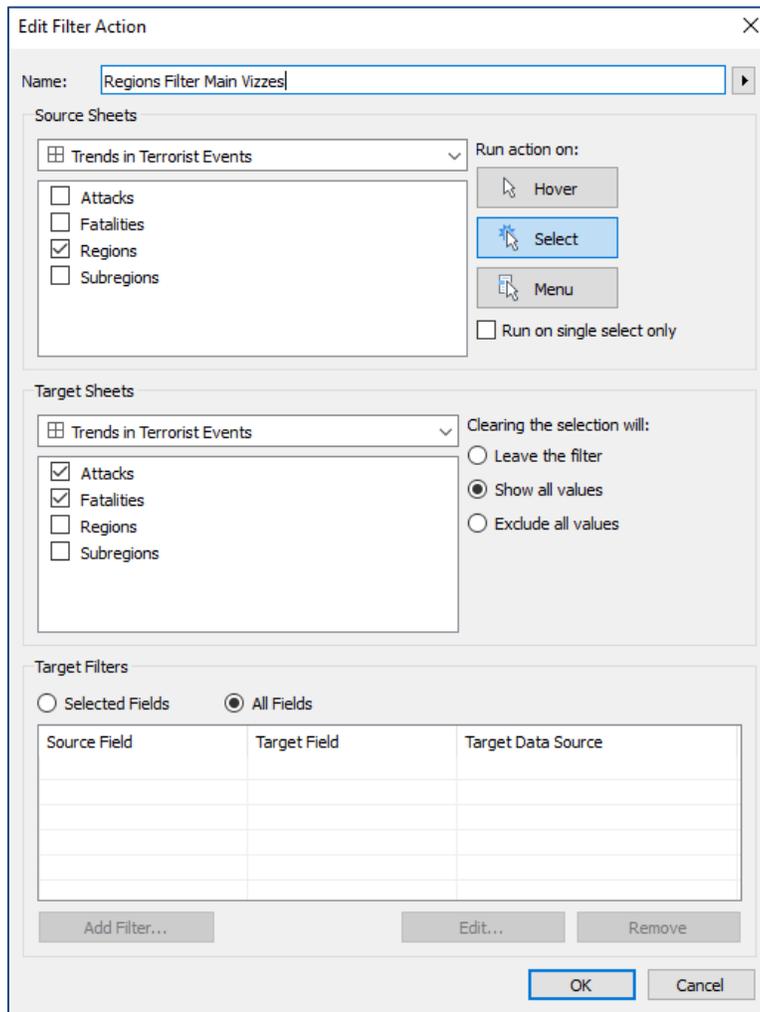
1. Let's create the filter actions first. Under the Dashboard Menu, select 'Actions...' and select the 'Add Action > Filter'.



2. Next, in the Edit Filter Action dialogue box, name the filter action 'Regions Filter Main Vizzes' and choose the following options for Source Sheets, Target Sheets and Target Filters:

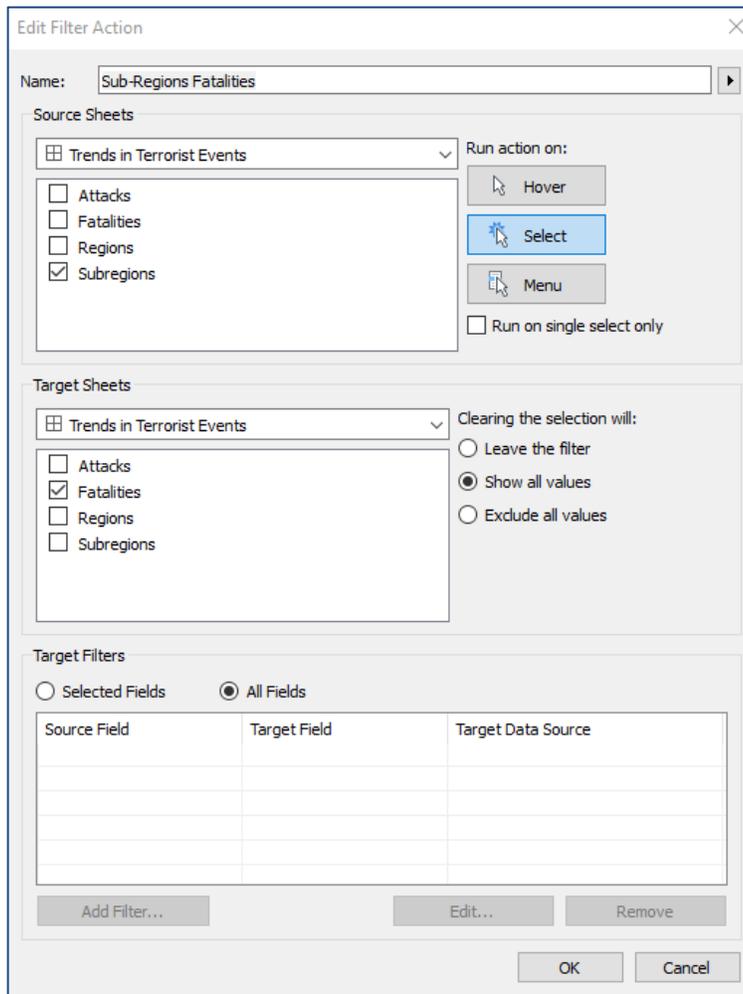


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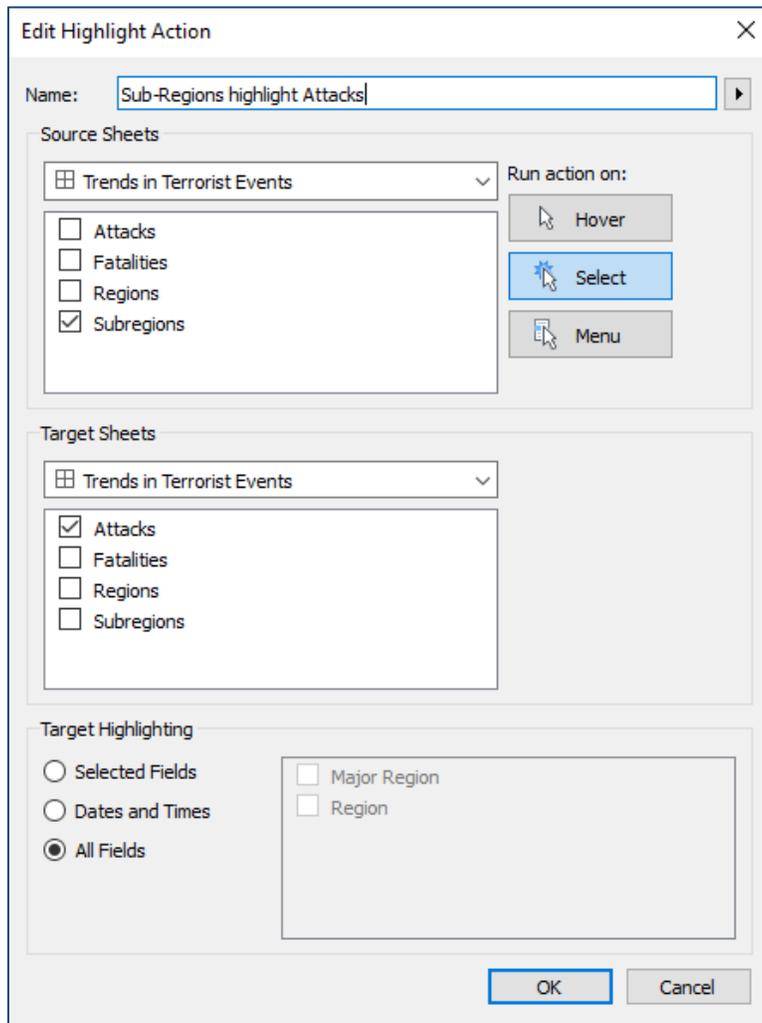
3. When you are finished, click OK and check your filter action is working. Select any of the Regions from the bar chart on the right to see that your main vizzes are filtered.
4. Next, create the Sub-Regions filter in the same way, but this time only filtering the Fatalities viz:





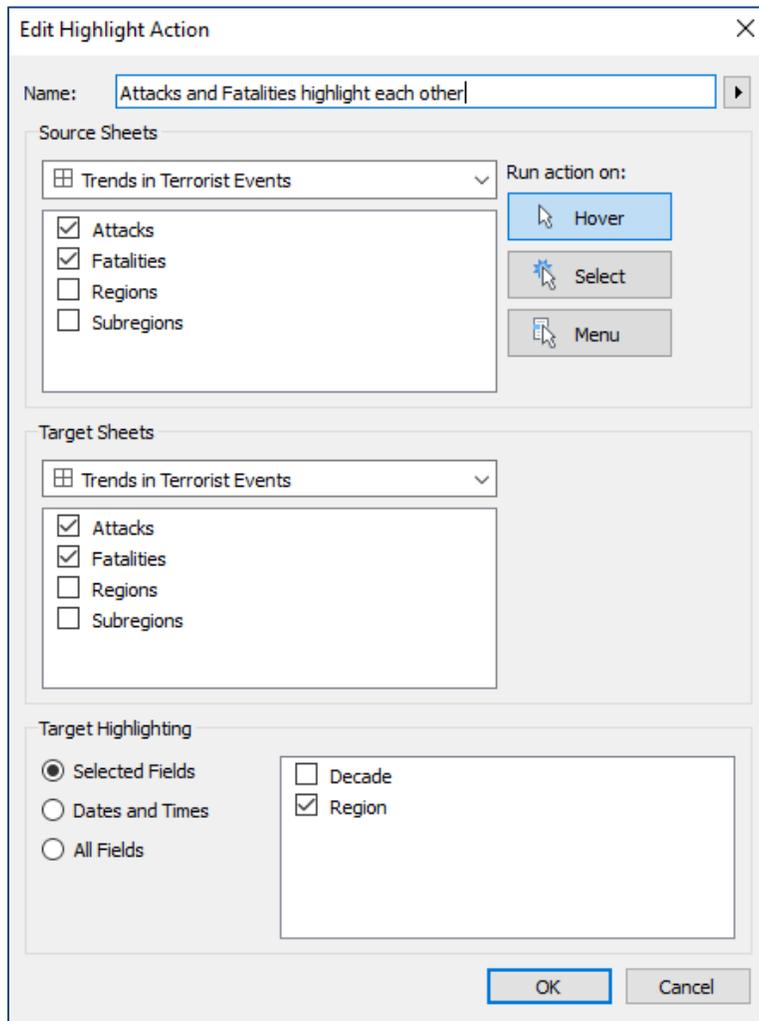
- Next, let's create our highlight filters. First, create a highlight filter so that clicking on the Sub-Regions viz will highlight the Attacks viz:





- Next, create a highlight action so that the Attacks viz and the Fatalities viz highlight each other. Notice that for this highlight action, the Target Highlighting should only be for the Region field:

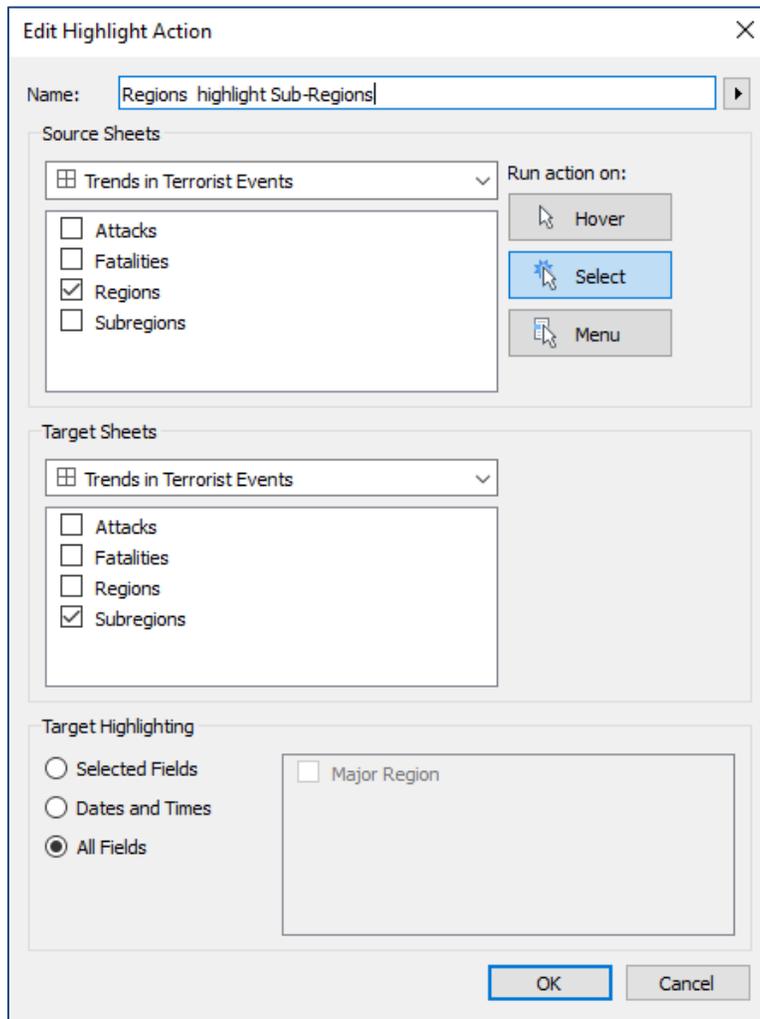




7. Finally, create a highlight action so that Regions will highlight the Sub-Regions that belong to the selection Region:



Tableau Essentials II | Exercise 13: GTD Filter Actions



8. Finally, check that all your actions are applied properly to your dashboard!

