

Likelihood: Events Charts

Overview

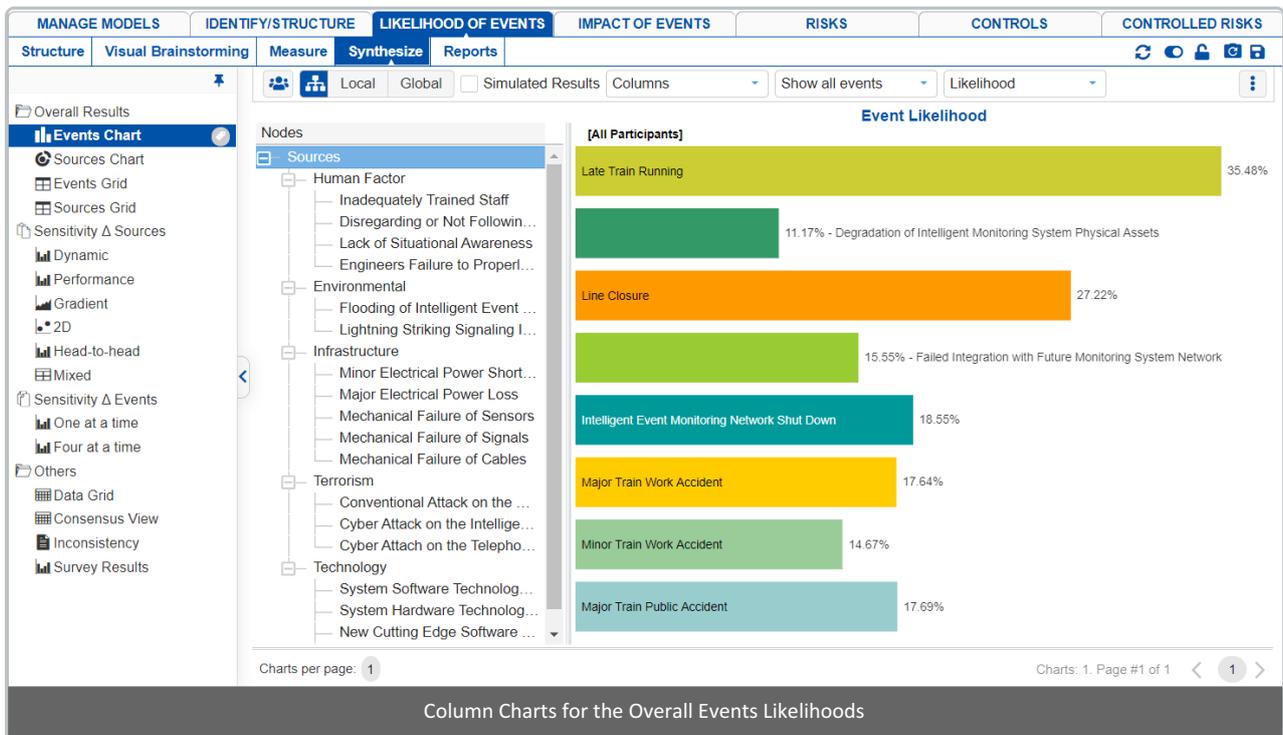
The Likelihood's Events Chart page displays the same results as in the Likelihood's [Events Grid](#).

Depending on the Riskion model you are working on, charts can display:

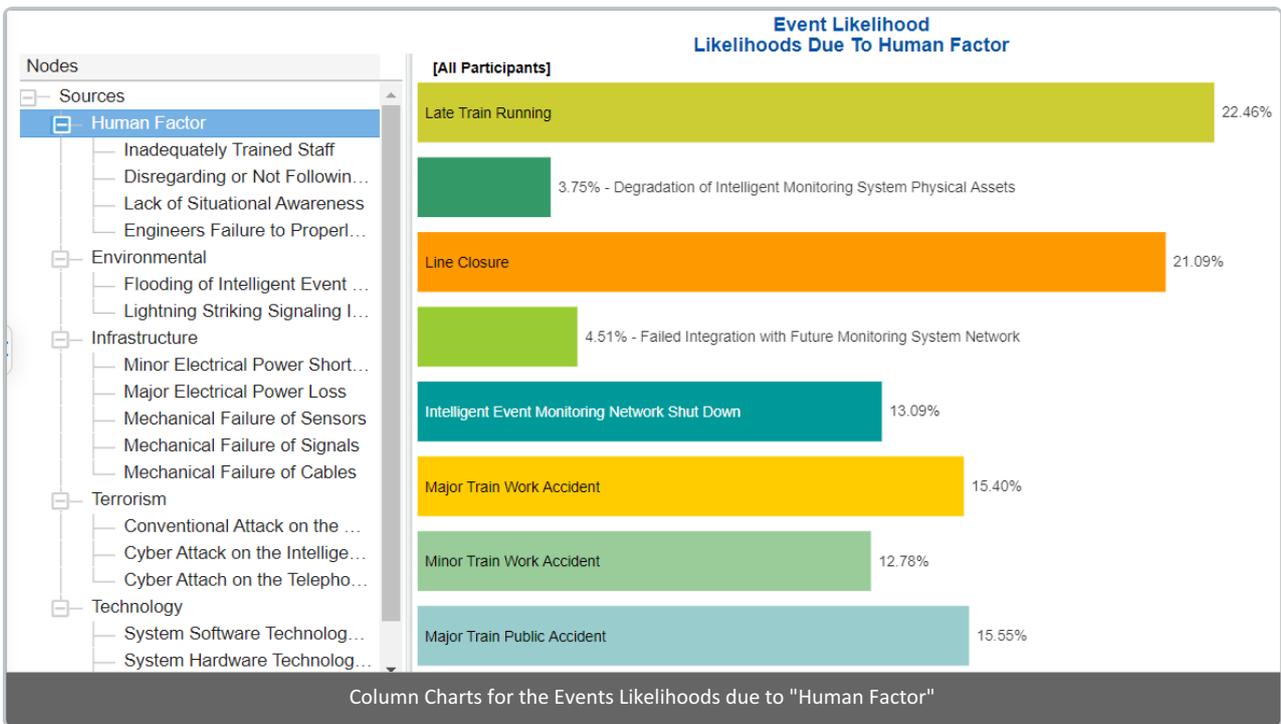
- the likelihoods or vulnerabilities of the events for Risk Events,
- the likelihoods or applicability for Opportunity Events,

By default, the Columns chart is displayed. The column chart below shows the events' likelihoods due to the overall Threat/Source.

You can view other different chart formats when the Advanced-mode is enabled.



Clicking another source node on the Sources hierarchy at the left will show the chart for the events due to that node.



The chart above shows the Events likelihoods due to "Human Factor".

You can show the local and global source's likelihoods on the Source Hierarchy at the right using the Local-Global buttons:

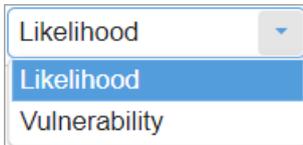
Local Global Simulated Results

Sources	All Participants	
	Local	Global
Sources		
Human Factor	59.58%	59.58%
Inadequately T...	10.47%	6.24%
Disregarding o...	45.18%	26.92%
Lack of Situati...	15.42%	9.19%
Engineers Fail...	13.97%	8.32%
Environmental	19.94%	19.94%
Flooding of Int...	2.03%	0.4%
Lightning Striki...	1.08%	0.22%
Infrastructure	23.38%	23.38%
Minor Electrica...	19.22%	4.49%
Major Electrica...	7.91%	1.85%

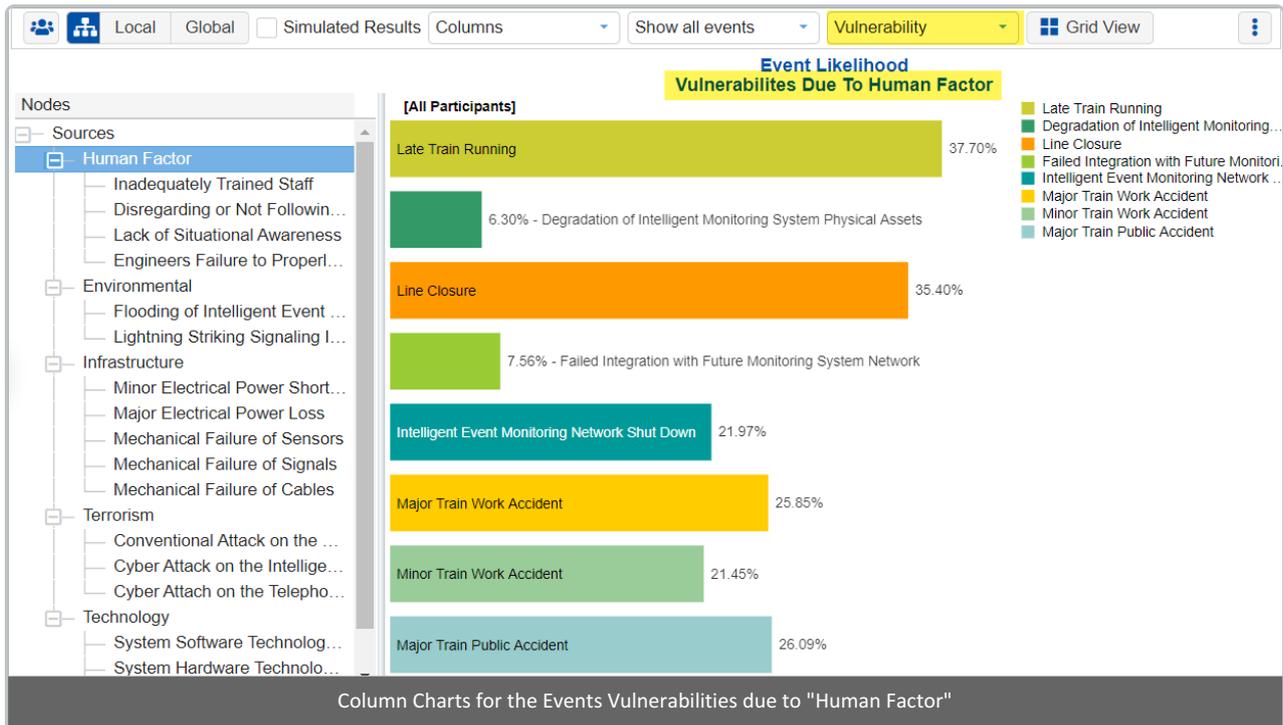
You can hide the Sources Hierarchy at the left using 

Show Likelihood or Vulnerability

In addition to showing the event likelihoods, you can select to show the events' vulnerabilities due to the selected source node from the dropdown menu:



Below is the Column Charts for Events Vulnerabilities due to the source "Human Factor".



You can select one or more participants or groups using the 

If more than one chart is available, pagination is displayed at the bottom of the page:

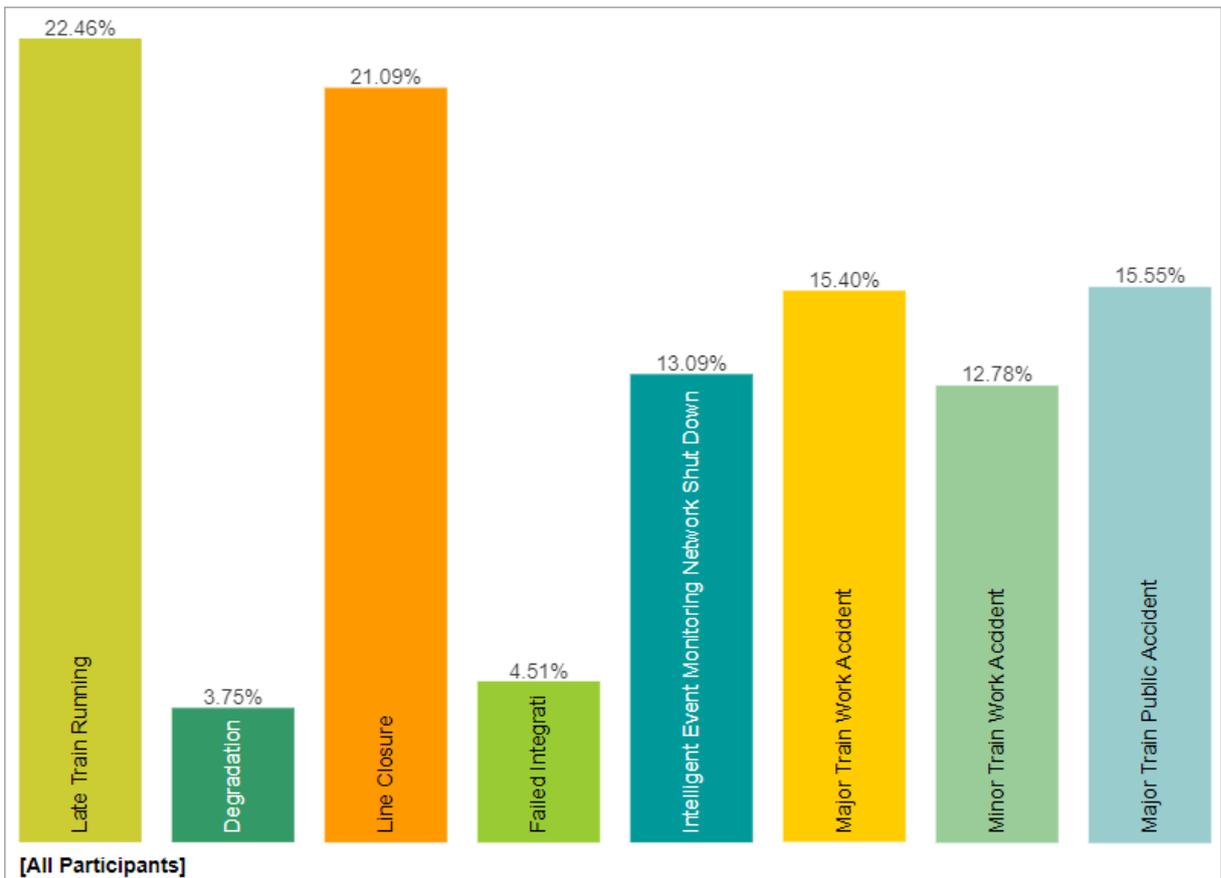


- Charts per page (left) - select how many charts to display per page
- Pagination (right) - paginate or select the page to display

Non-advanced Mode Chart options (Rotate, Legend, Sort, etc.)

Various options are displayed on the toolbar at the top of the charts. Depending on a chart type, options may only be available only a specific chart type.

- **Rotate** - turn on/off rotate chart by 90 degrees (this is ON by default)



- Legend - show or hide the Legend

 Legend

- Late Train Running
- Degradation of Intelligent Monitoring System Physical Assets
- Line Closure
- Failed Integration with Future Monitoring System Network
- Intelligent Event Monitoring Network Shut Down
- Major Train Work Accident
- Minor Train Work Accident
- Major Train Public Accident

- Components - Show or hide the event components.

 Components

- Sort - sort chart by likelihoods, name, or none (default: none)
- Export - export as png, svg, pdf or multiple pdf

 Export

Export Chart Settings ×

PNG

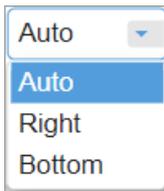
SVG

PDF

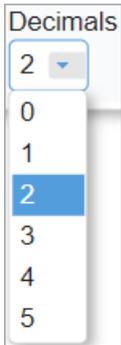
Multipage PDF

Cancel

- **Legend Position** - can be auto, right, or bottom of the chart (default: Auto). Legend position is only enabled when the Legend is displayed.



- **Decimals**



TIP: All chart types have the same common options as above for non-advanced mode -- except for Components which is only available for Columns.

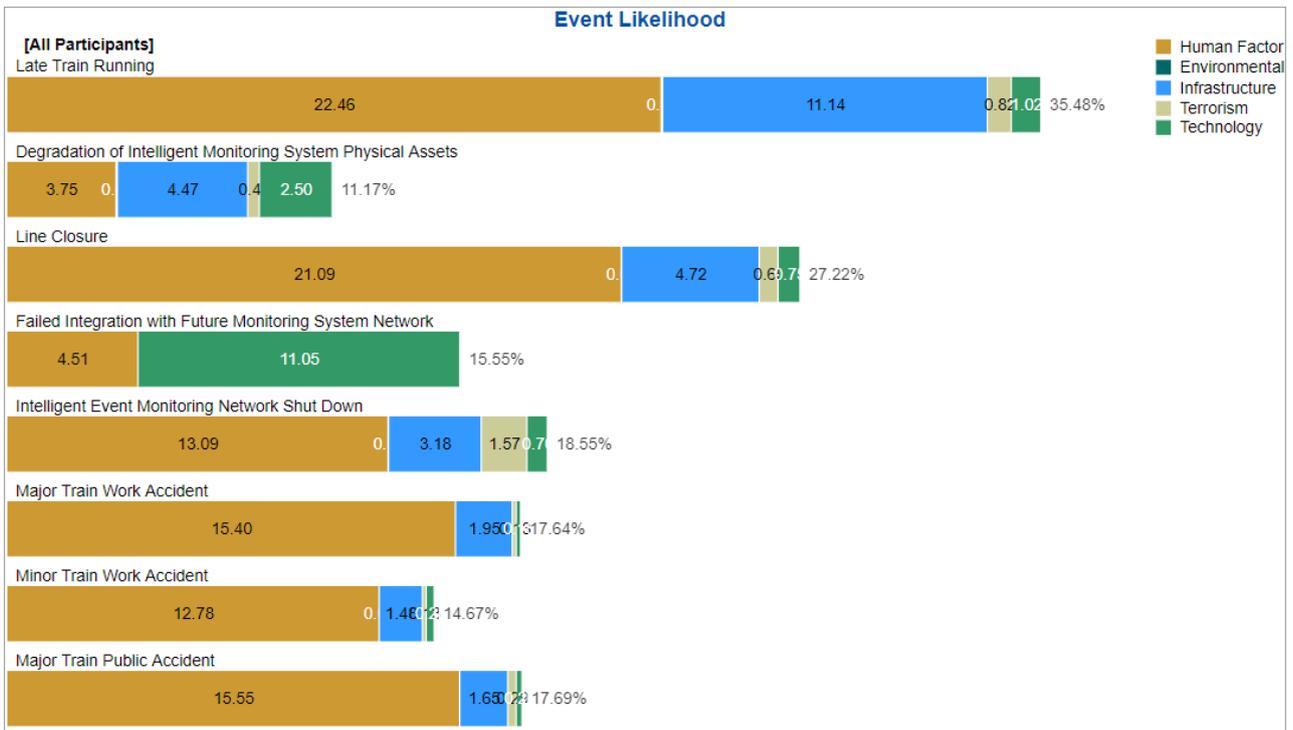
HINT: For smaller screens, some of the options may be hidden. You may see the hidden options by clicking the ellipses icon at the top right.



Events Chart with Components

You can show the column charts with components by toggling the  **Components** button.

Events Charts with Components show the likelihoods of each event divided into sections showing how much of the likelihood is due to each of the sources.



Hovering on a specific component will highlight that element for all the event bars, a tooltip will also be displayed to see its details -- ([Participant or Group Name]: %Likelihood Event Name).

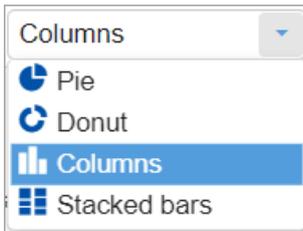
Advanced Mode Options

When Advanced mode is ON, you will see the advanced options on this page (see highlighted):

Events Charts Advanced Mode Options

1. Chart Types

More chart formats are available in the advanced mode.



The Columns chart is selected by default, you can select from other chart types available. The selected chart format on the advanced mode will be remembered when you switched back to the non-advanced mode.

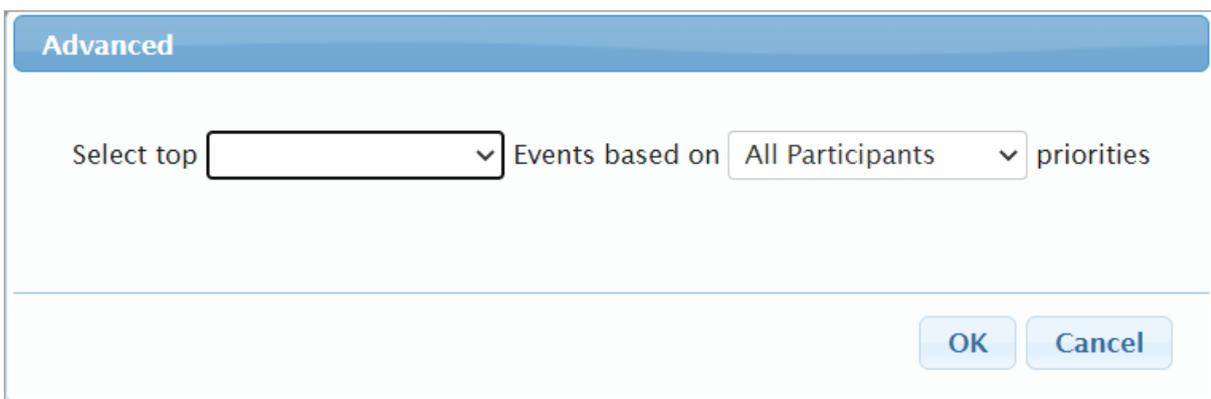
2. Filter Events

By default, all events are displayed.



You can select to display the top or bottom 5, 10, or 25 events based on the "All Participants" group likelihoods.

The Advanced filter, allows you to select a specific number for the top N, and base it on another group or participant.



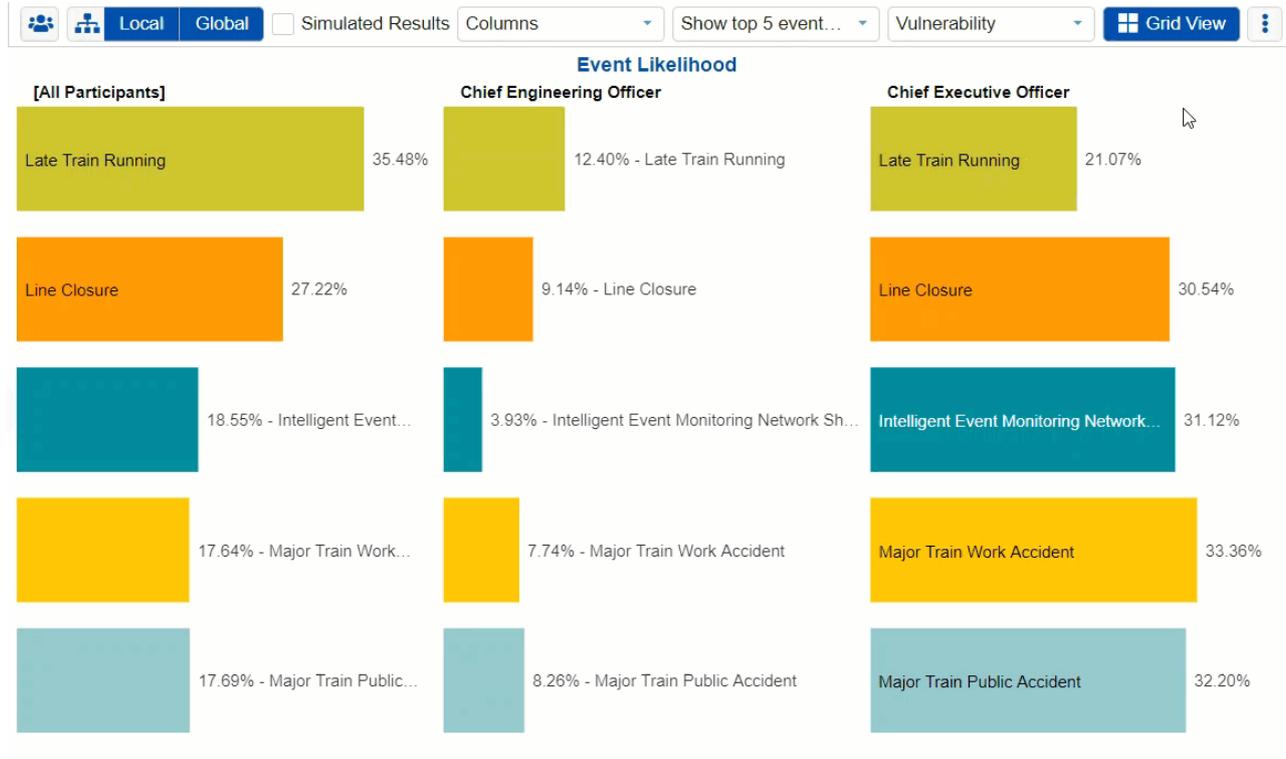
The select /deselection option, allows you to check/uncheck the events.

The filter by events attributes, filter the events base on the attributes specified on the Events page.

The show risks only / Show opportunities only are applicable for the Mixed model where events can be Risk or Opportunity.

3. Grid View (Multiple Rows or Single Row)

This option is available for all chart types except for Stack when more than one participant/group is displayed. This allows you to display the charts in grid view (**multiple rows**) when ON, or a **single row** when OFF.



4. Labels

Show or hide chart labels or the threat/source names on the chart. This will only show the % priority on the chart. You can then show the legend instead.  Labels

5. Group by Users

Available for Columns chart when multiple users/groups are selected. By default, this option is ON, so the chart is grouped by Users. When this is OFF, the chart will be group by elements or nodes.



6. Combined Input Option (CIS)

If the Combined Input Option (CIS) is ON, then results for individuals are computed by combining the priorities derived from judgments/ratings for which they had roles, with the combined results for any parts of the model where they did not have a role.



7. Apply User Priorities

If priorities (weights) have been specified for participants, you can use the "User Priorities" check box which enables you to apply or ignore these priorities in calculating the results.

User priorities

8. Include Ideal Event

Include the Ideal Event on the Chart Results

9. Font Size

Decrease or increase the font size, or reset

 Decrease font size
 Increase size
 Reset font

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 icon at the top right.
