

Common pitfalls in OpenSearch and Data Analytics Tooling Usability



Aparna Sundar, Bill Beckler, and Lior Perry



Panel

Aparna Sundar



Aparna Sundar is a Lead UX Researcher at OpenSearch Project. She has over 20 years of experience in the field of research and design and actively publishes in the cognitive science domain.

Bill Beckler



Bill Beckler is a Sr. Software Manager at the OpenSearch Project.

Lior Perry



Lior Perry is an AWS software development engineer focusing on OpenSearch.

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What Dashboarding tools do you use for analytics?

① Start presenting to display the poll results on this slide.

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**Prior to today, have you
heard of OpenSearch?**

① Start presenting to display the poll results on this slide.

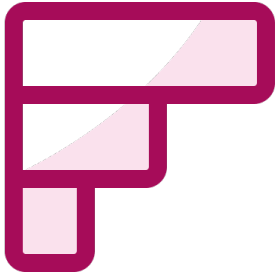
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Have you used OpenSearch dashboards

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Rank the following by what is important in a dashboard tool (check all that apply)

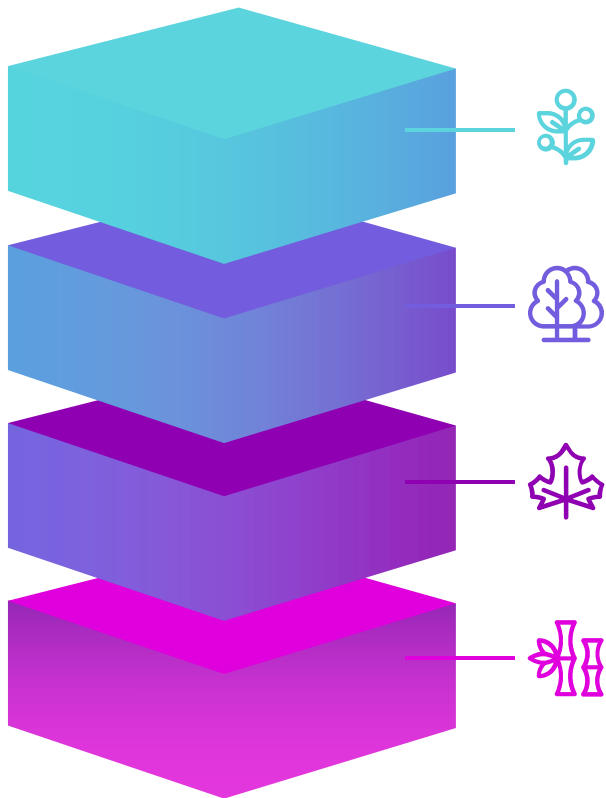
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Common Issues Noted by Customers



Usability



1st Concern

Right from data ingestion,
index patterns are hard to
understand

Documentation



2nd Concern

Users are unsure on where to
find the right documentation

Observability
Integration



3rd Concern

Integrating to the query
language options is difficult

Graph options,
look and feel



Major
Concern

Limitations in the types of
graphs and limitations in
dashboard creation

Bill Beckler



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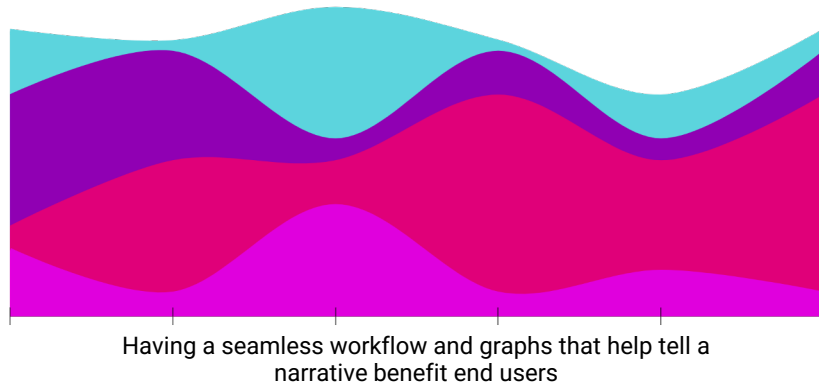


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Benefits of Vega Integration

Multiple Queries

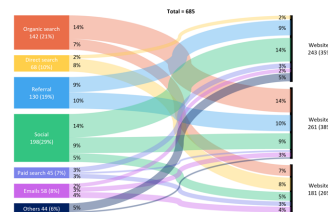
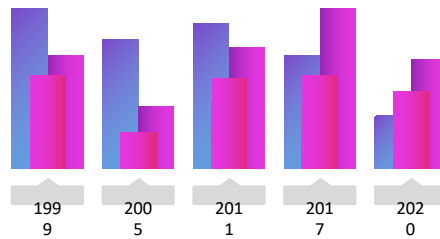
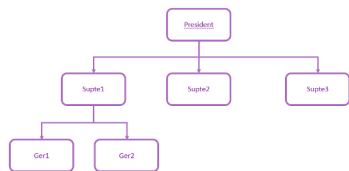
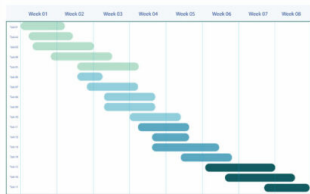
Each Vega visualization can produce multiple queries and display them in a single chart



Graph Types

Gantt chart, Table, Overlay graph, Multi-layer charts, Network graph, Hierarchy tree, Gauge and meters, Sankey diagram, Zoomable charts

Vega is dynamic and allows generating advanced visualizations
Vega is community driven and has a large user-group
Vega is supported since early days of OpenSearch



Building data visualizations

By visualizing your data, you translate complex, high-volume, or numerical data into a visual representation that is easier to process. OpenSearch Dashboards gives you data visualization tools to improve and automate the visual communication process. By using visual elements like charts, graphs, or maps to represent data, you can advance business intelligence and support data-driven decision-making and strategic planning.

Understanding the visualization types in OpenSearch Dashboards

Dashboards has several visualization types to support your data analysis needs. The following sections provide an overview of the visualization types in Dashboards and their common use cases.

Area charts

Area charts depict changes over time, and they are commonly used to show trends. Area charts more efficiently identify patterns in log data, such as sales data for a time range and trends over that time. See [Using area charts](#) to learn more about how to create and use them in Dashboards.

ON THIS PAGE

- [Understanding the visualization types in OpenSearch Dashboards](#)
- [Area charts](#)
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- [Maps](#)
- [Markdown](#)
- [Metric values](#)
- [Pie charts](#)

<https://opensearch.org/docs/latest/dashboards/visualize/viz-index/#vega>



Discussion

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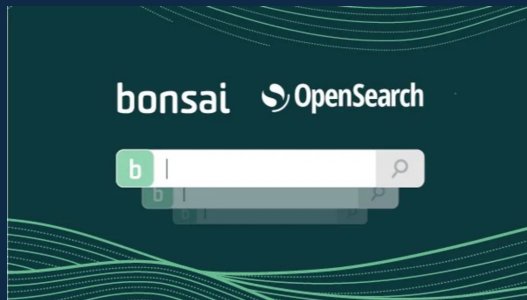
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OpenSearch Community

- Community meetings (twice a month)
- OpenSearch Con
 - US
 - Europe (May 6th and 7th) in Berlin
 - Asia (June 24th) in Bangalore
- OpenSearch User Group



OpenSearch User Groups



OpenSearch User Groups

- Should meet a minimum of once every 3 months
- Over-arching topic should be OpenSearch
 - Related technologies are acceptable based on group interest
- Meetups / Presentations should not be sales-pitches
 - Keep the group interested by discussing what can be done with the platform
 - Show related technologies and learn from one another



**Want to know more?
Interested in leading one?**

**Reach out:
events@opensearch.org**

Questions

**Read up more on
OpenSearch.org**

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Join at
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