

Description of Dashboard Constructor Features

Feature 1: Dataset collection in workspaces

This feature allows users to curate many different datasets in a single workspace. Datasets can refer to entities from data pools, which lets the interactive visualisations pull additional information at runtime.

1. Datasets can be added by uploading csv or json files or by creating them through a visual dataset constructor, which is specific to each type of data (e.g. Mindmap, Hierarchies of Entities, Numerical Datasets)
2. Datasets can be tagged with additional information (such as descriptions, sources or licenses).
3. Datasets can be saved (published), making it available to other users in the same workspace.
4. Users can select datasets from a list that shows core indicators (title, date, added by, number of datapoints, data pool, ...)

Example:

<https://dashboard-creator.dkv.global/workspace/Operational%20Environment/dataset>

Feature 2: Data visualization

Any datasets that are collected in the workspace can be visualized using different visualizations. By using a system of “data archetypes”, the application automatically presents all possible visualizations that are compatible to a given dataset and each one can be previewed with the real data with a single click.

1. Datasets can be added or selected from the searchable list (feature 1).
2. The application automatically shows all compatible visualizations, which can be chosen.
3. The dataset can then be filtered by selecting ranges or specific data points to only visualize a slice of the full data.
4. Any visualization that is selected, will be shown in real time with the dataset applied. It also supplies a list of configurations (such as font, size, colors, spacings, texts / titles, ..). These configurations are made available through a user-friendly UI and are applied in real time.
5. When the visualization is complete, it can be saved and exported in multiple ways:
 - a. As an image
 - b. As a link (which will display the visualization interactively)
 - c. As an embed on other sites or projects
 - d. As part of a dashboard (see Feature 3)

Example:

<https://dashboard-creator.dkv.global/workspace/Operational%20Environment/visualization/new>

Feature 3: Composition of visualizations into zero code dashboards

Dashboards allow one or more visualizations to be composed into a bigger interactive website without writing any code. The user can add panels with titles, links and images and then also add any visualization that was created using feature 2. (e.g. the user could create an interactive dashboard on a specific topic by dragging and dropping elements and visualizations from the workspace in minutes). Ultimately, this allows the user to create interactive multi-page analytics products from inside this application, with no code or programming required.

1. A new composition is created by choosing a name and URL.
2. Panels can be added and customized (size, position, colors, style) through intuitive UI.
3. Visualizations or simple texts, links and images can be added.
4. Elements can be configured to serve as links to other pages, dashboards or external websites.
5. Multiple pages can be added to one dashboard.
6. The whole dashboard can be shared as a link, which can be restricted to be visible to anyone (public) or only users with access to the workspace (private).

Example:

<https://dashboard-creator.dkv.global/workspace/Operational%20Environment/dashboard>