

COVIDMINDER

**focus on usability and
accessibility of information**

target audience:

individuals who are not as familiar with data analytics and may not be able to understand complex graphs and information

consideration to user:

our system should have clear language that minimizes the use of discipline specific terminology and clearly articulates what the user is viewing and what the information means

audit of the current system:

disconnect between the visual and the descriptions

usage of field specific terminology

1

disconnect between the visual and the descriptions

current system centralizes the visual, but has a disconnect
between the visual and the explanation

2

usage of field specific terminology

current system utilizes field specific terminology, such as ‘determinant’, ‘mediation’, and ‘outcome’ usage of field specific language can make the information unapproachable to target users

case studies:

ny times

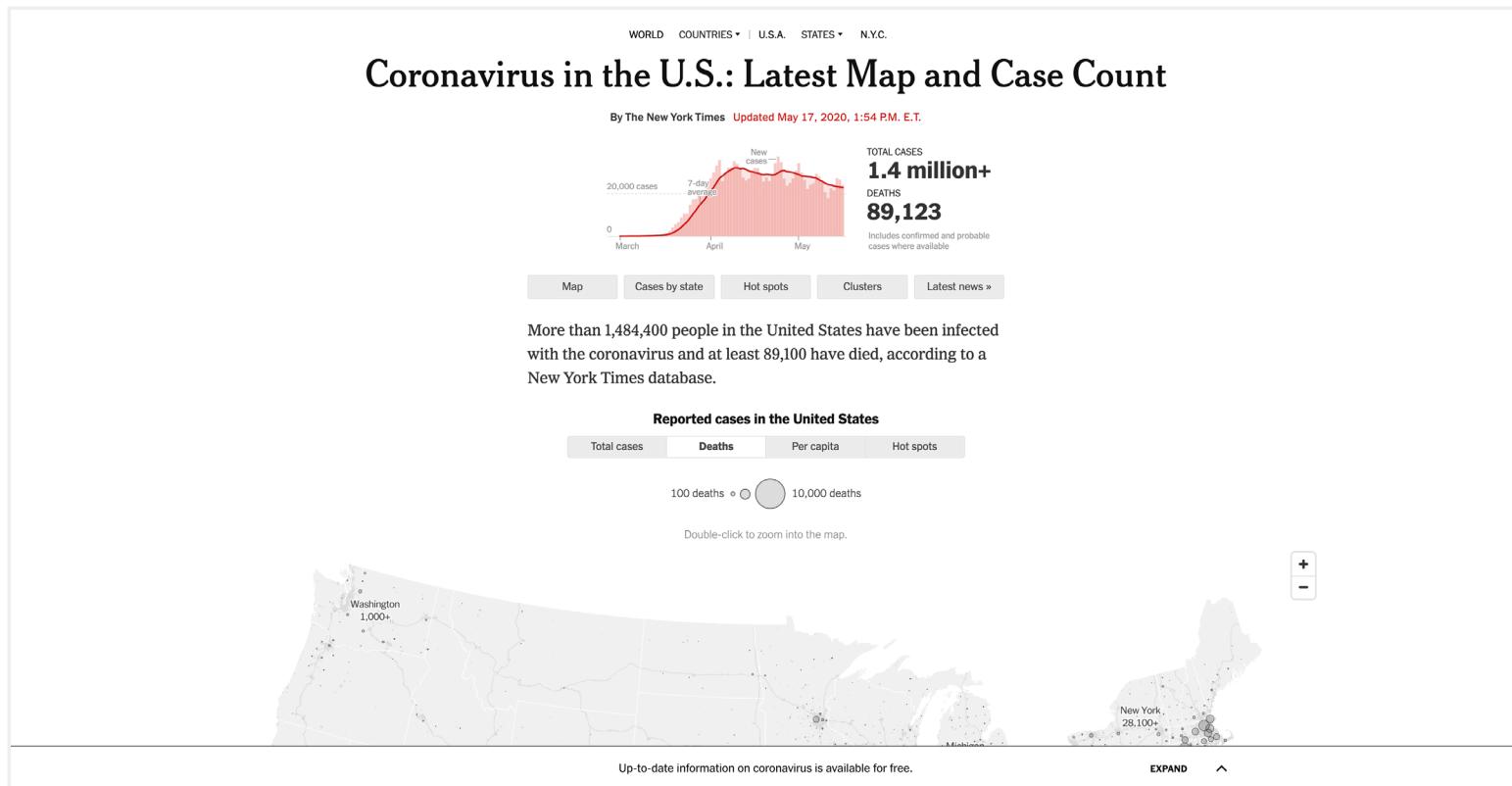
john hopkins

gov. of district of columbia

information is beautiful

bbc news

case studies: ny times



interaction points



select location using selectors at top of web page

navigate through the page using buttons located below header text and graphic



each info-graphic has its own menu/options to filter through



collapsible module fixed at the bottom of the user's screen

positives

top-down navigation system— displayed options depending on previous selections using this style of information organization allows for greater complexity in the variety of information that you are providing to your user

using a variety of interaction points
using more than one interaction point allows users to gain access to the information that they need, while also reducing the ‘clutter’ or ‘visual noise’ for users who do not require the additional information

integration between graphics and text explanations and visuals are seamlessly integrated with each other creating a clear narrative

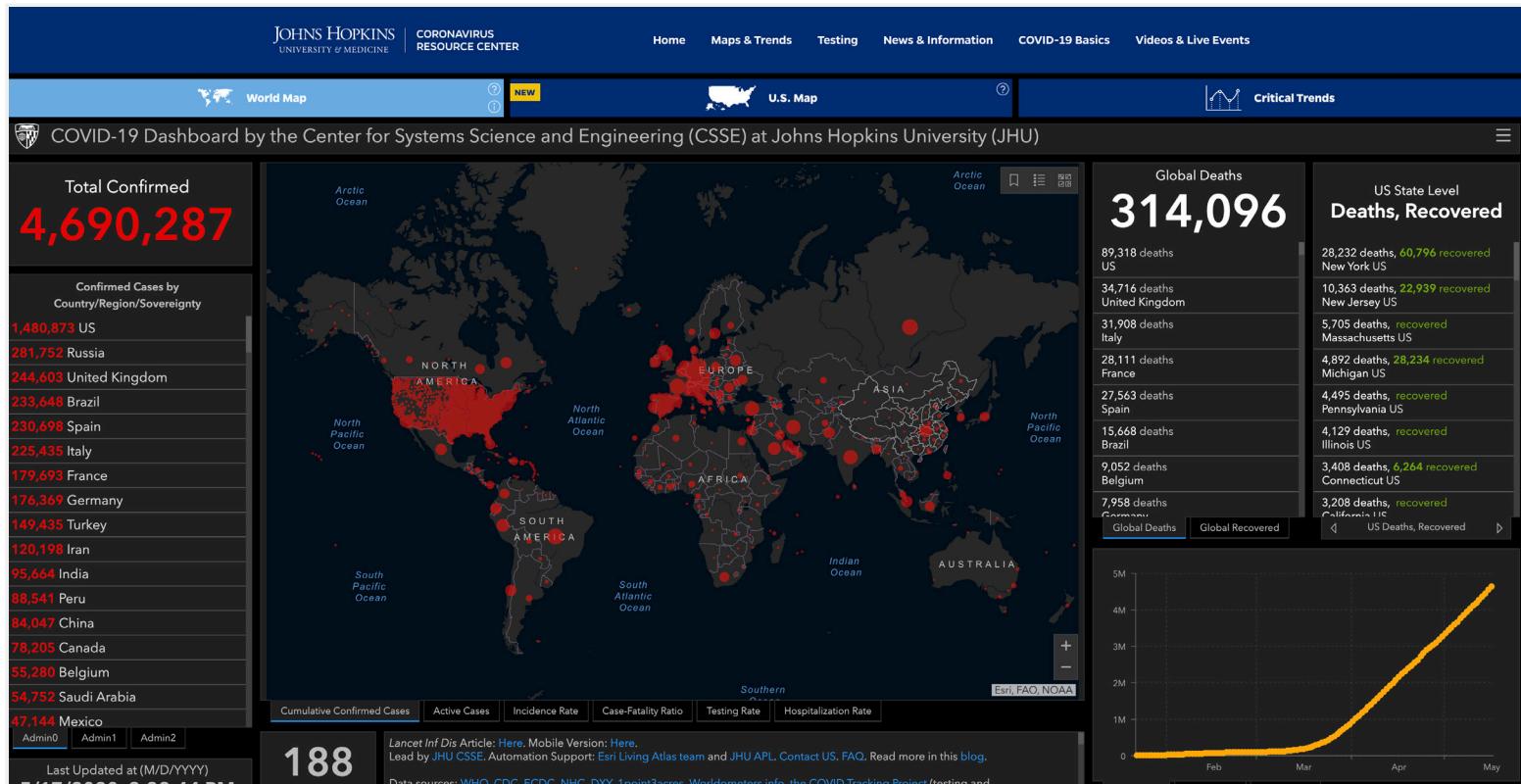
negatives

over-simplified colorscheme website makes use of four colors: grey, black, white, and red. color choice fits ny times' branding, however it demonstrates a missed opportunity for using color to enhance communication of the information

text heavy while it is good that there is an integration between the visuals and the text, there still seems to be a great deal of copy on the website, some of which may not be relevant for the user

difficult to navigate through the page website provides a navigation at the top of the page for users to jump to a specific section on the page, but menu is only available at the top of the site, and there is no back to top button available

case studies: john hopkins



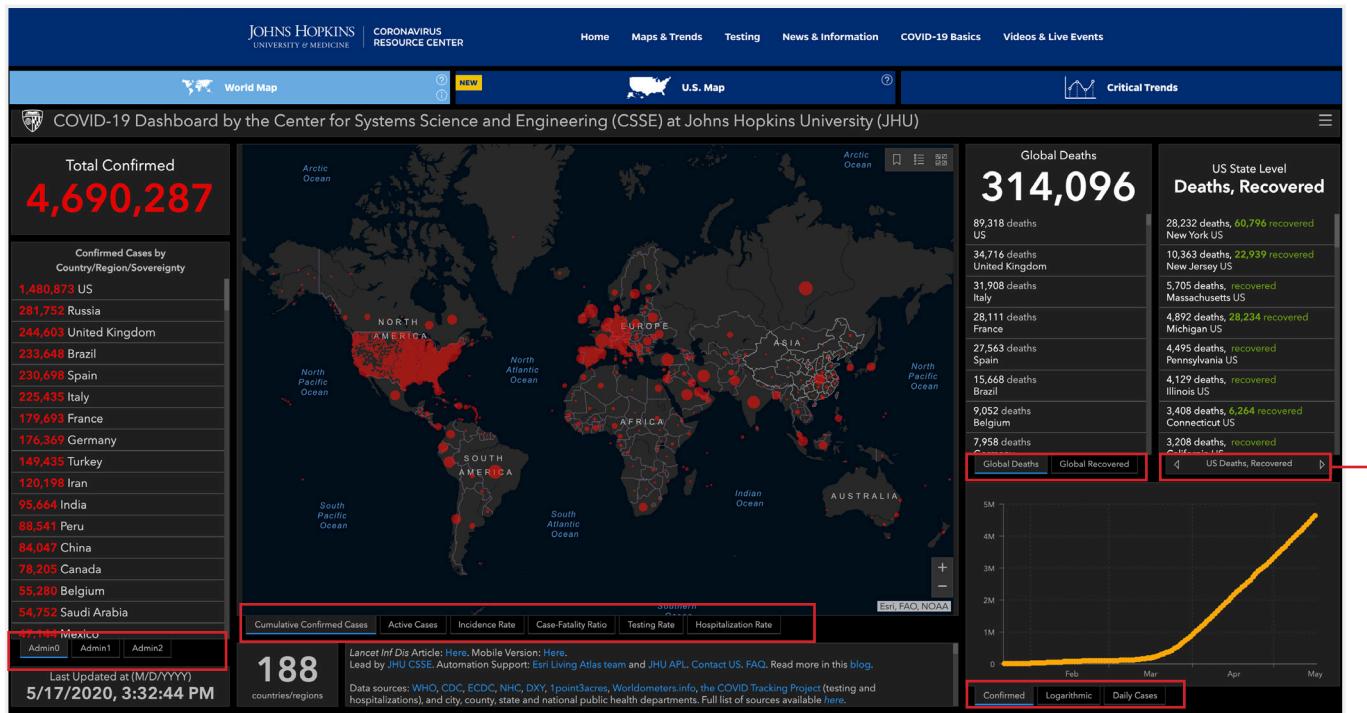
interaction points

The screenshot shows the top navigation bar of the Johns Hopkins COVID-19 Resource Center. The bar includes the Johns Hopkins logo, the 'CORONAVIRUS RESOURCE CENTER' text, and several menu items: Home, Maps & Trends, Testing, News & Information, COVID-19 Basics, and Videos & Live Events. The 'Maps & Trends' item is highlighted with a red box and a red arrow pointing to it from the right.

navigate to different pages on the site for specific information

The screenshot shows the main dashboard page. At the top, it features the Johns Hopkins logo and 'CORONAVIRUS RESOURCE CENTER'. Below that is a header with 'Home', 'Maps & Trends', 'Testing', 'News & Information', 'COVID-19 Basics', and 'Videos & Live Events'. The 'Maps & Trends' item is highlighted with a red box and a red arrow pointing to it from the right. The main content area displays a world map with red dots representing cases, a title 'COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)', and a summary table for 'Total Confirmed' cases.

identified 3-key-information components and have them front and center so that users can easily navigate between them



each info-graphic has its own menu/options to filter through

positives

semi-top-down navigation system—displayed options depending on previous selections using this style of information organization allows for greater complexity in the variety of information that you are providing to your user

using a variety of interaction points using more than one interaction point allows users to gain access to the information that they need, while also reducing the ‘clutter’ or ‘visual noise’ for users who do not require the additional information

dashboard feel to information presentation presents information as a dashboard, which emphasizes the fact that the graphics are interactive

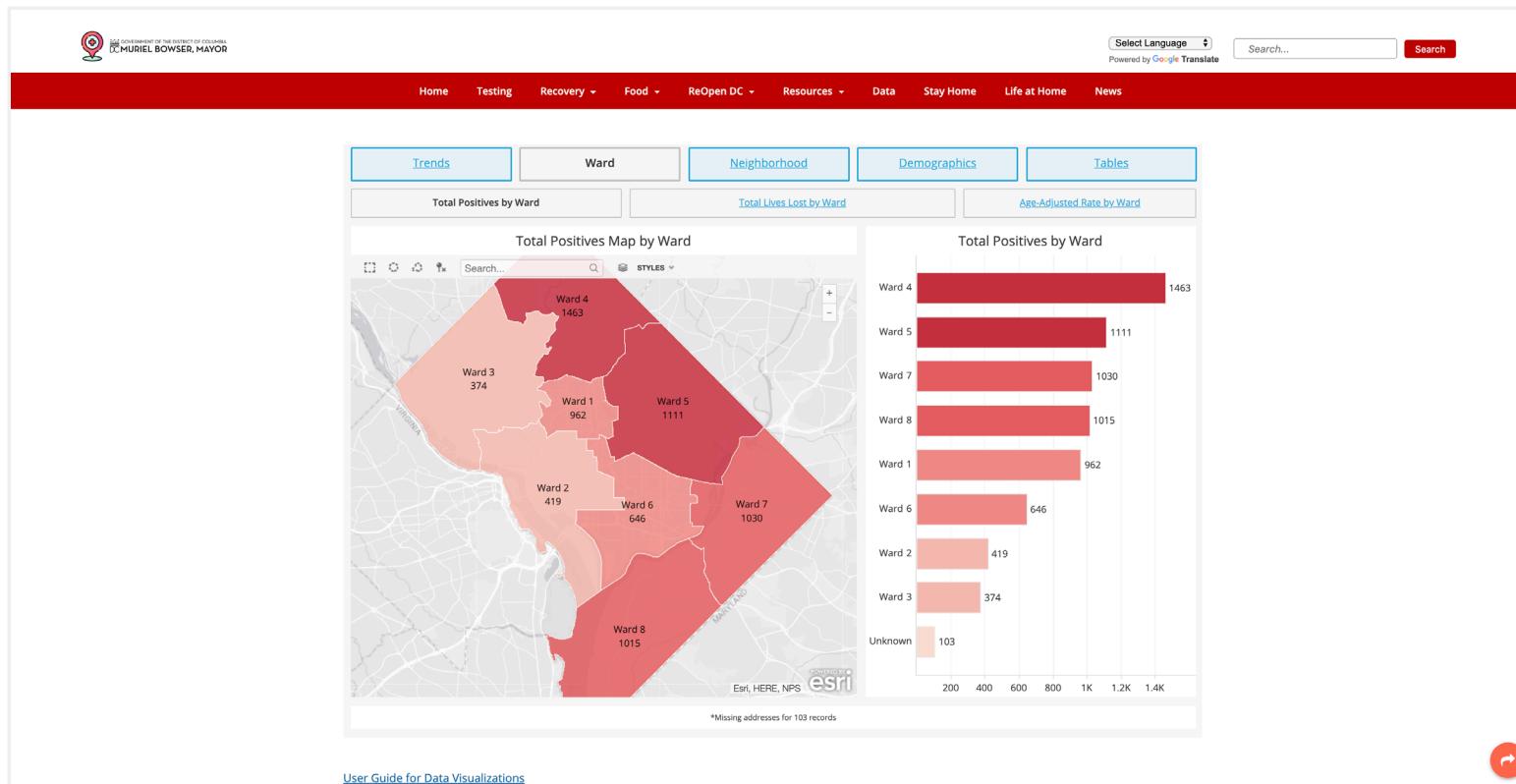
negatives

over saturated the dark colored background mixed with the bright red makes the interface extremely saturated, this over-saturation runs the risk that users may suffer from information overload

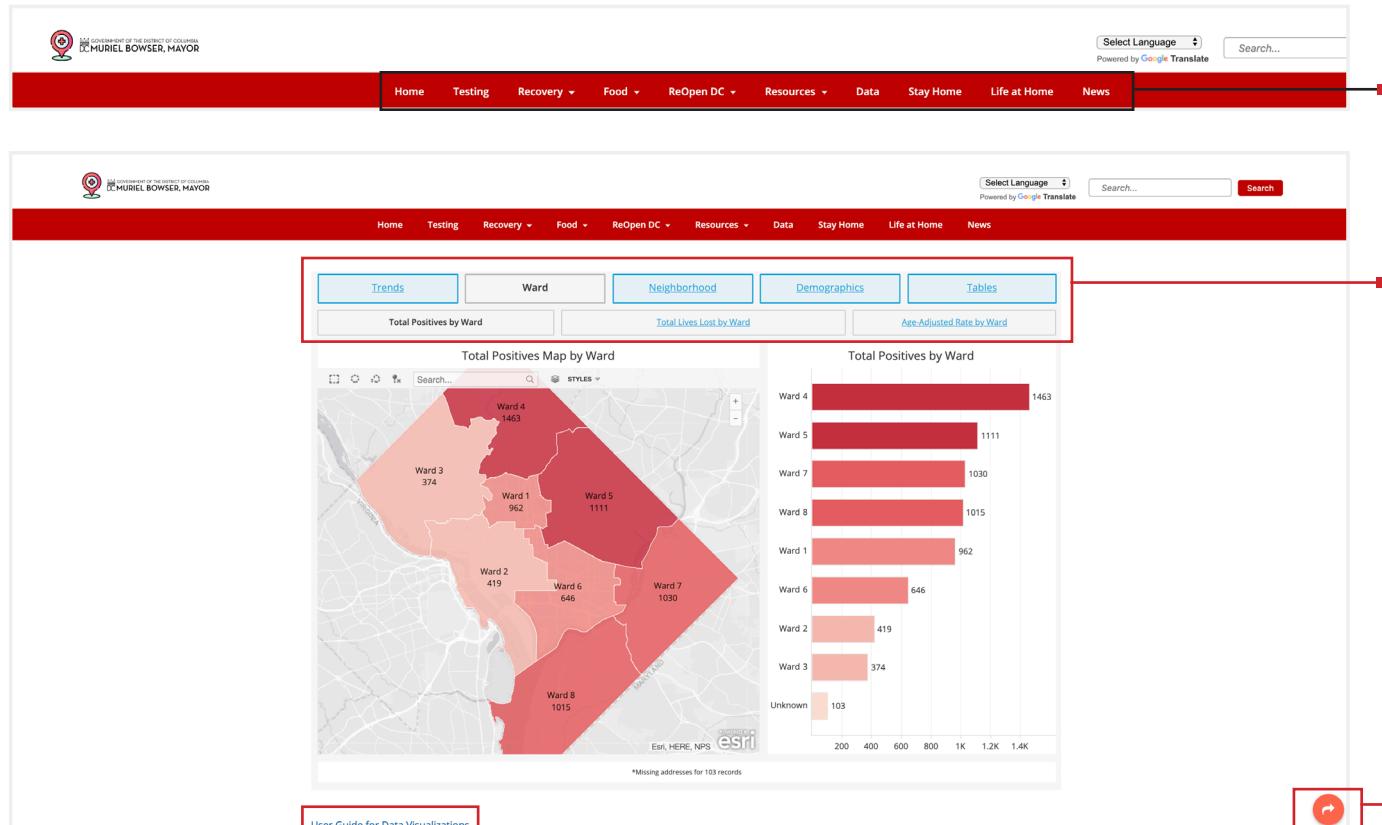
disconnect between visual and explanation while both the explanation and the visuals are made available to the user, they are not present on the same page, making it difficult for the user to clearly determine what the graph they are looking at is displaying

no ‘single’ view available users can only see all of the graphs and charts together, there is no way for users to easily isolate the info-graphic so that they can focus in on one specific set of information

case studies: gov. of district of columbia



interaction points



navigate to different pages on the site for specific information

navigate between different information using menus present at the top of the infographic

provides users with a guide to help them to understand the data visualizations

provides users with the ability to easily share the web-page

positives

semi-top-down navigation system— displayed options depending on previous selections using this style of information organization allows for greater complexity in the variety of information that you are providing to your user

share button present for user provides user with the ability to easily share the web-page on their social media platform or via link

provides user with a guide for understanding visuals provides user with a guide to help them to understand the information they are being presented with

dashboard feel to information presentation presents information as a dashboard, which emphasizes the fact that the graphics are interactive

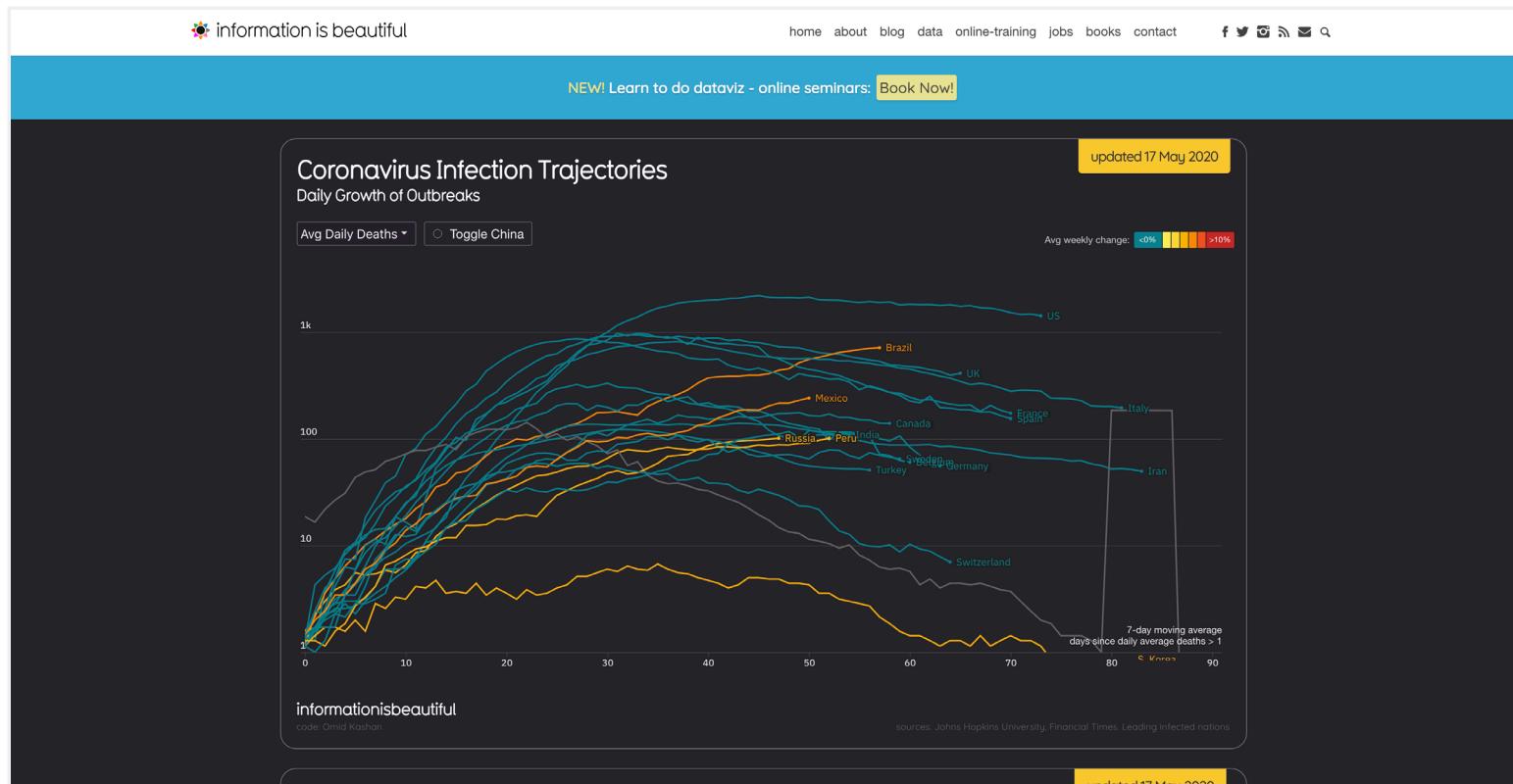
negatives

over-simplified colorscheme the only color, outside of white and black, present on the website is red

disconnect between visual and explanation additional information is present to the user using the link to the user guide at the bottom of the web-page, however the user guide only includes text and perpetuating this disconnect between the visual and the copy

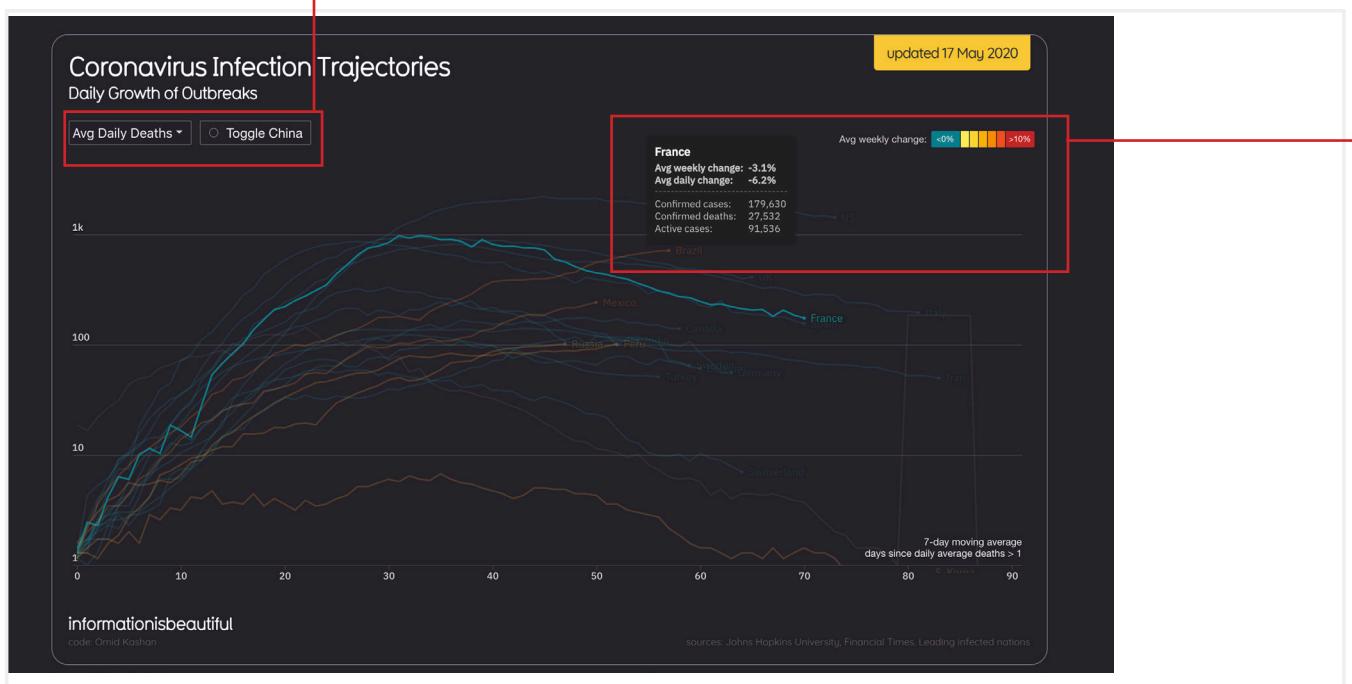
interaction points not easy to find some of the interaction points on the site are small and difficult to see, specifically those that are available for the map and the user guide

case studies: information is beautiful



interaction points

each info-graphic has a menu
that lets you specify your view



most interaction comes through
hover to display specific
information

positives

semi-top-down navigation system—displayed options depending on previous selections using this style of information organization allows for greater complexity in the variety of information that you are providing to your user

shows date updated each info-graphic contains the date it was last updated, which helps the user to understand how up-to-date the data may be

provides user with a data pack that they can download that offers more indepth information regarding the data

purposeful info-graphic titles creator chose purposeful titles for their info-graphics that either state the findings of the graphic or the question that the info-graphic is seeking to answer—this minimizes the need for copy within the page

negatives

minimal navigation available through page users can only navigate through the page using scrolling, no menu provided on page to navigate to specific sections

lack of congruency between the subject-matter and the font choice the font choice chosen for the website, specifically its use in the headlines of the info-graphics, does not match the subject matter, this font choice is better suited for information with less severity and under minds the significance of the information it is presenting

case studies: bbc news

World | Africa | Asia | Australia | Europe | Latin America | Middle East | US & Canada

Coronavirus pandemic: Tracking the global outbreak

By The Visual and Data Journalism Team
BBC News

🕒 8 hours ago

f t e Share

Coronavirus pandemic

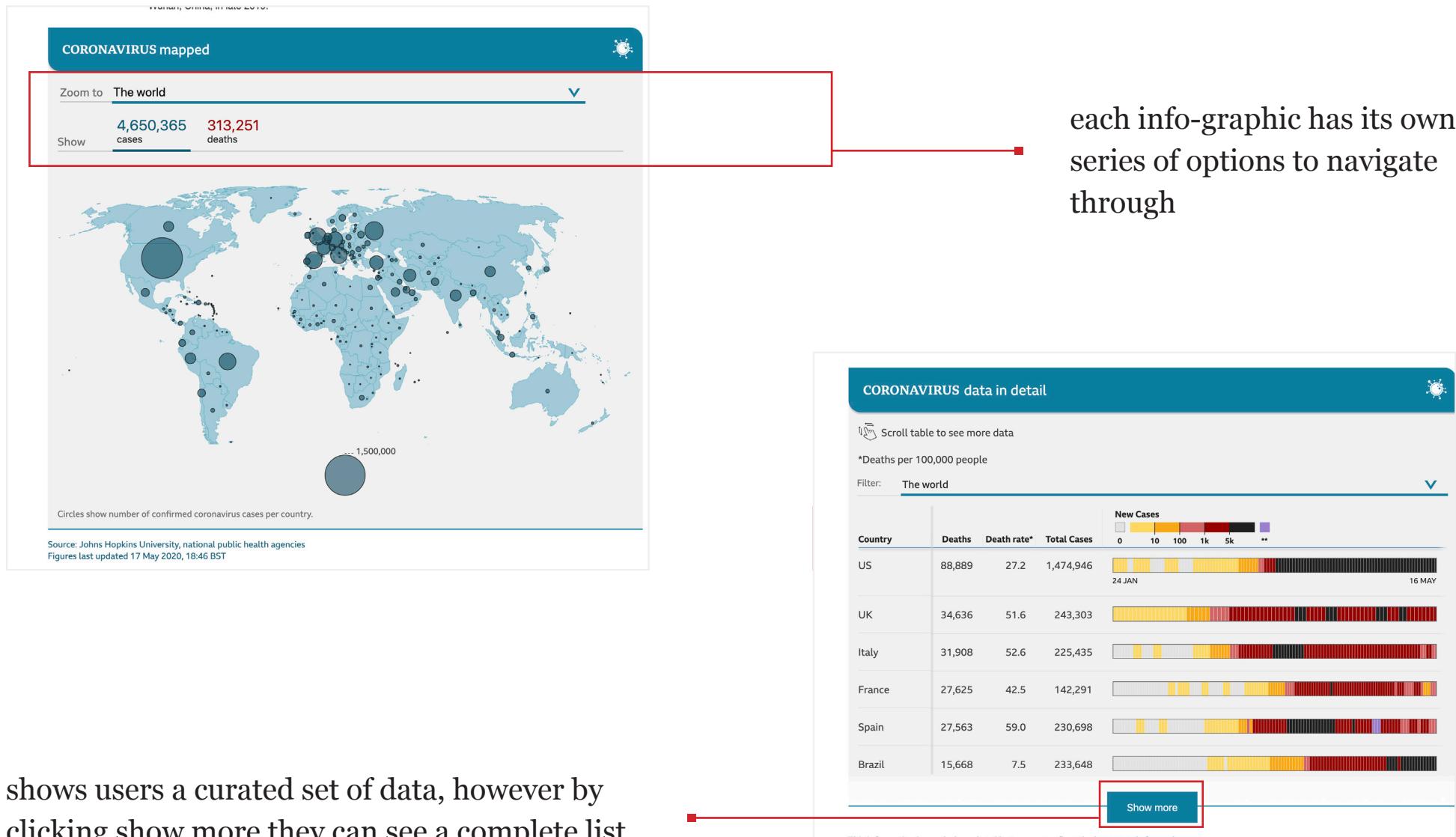


REUTERS

Coronavirus is continuing its spread across the world, with more than 4.5 million confirmed cases in 188 countries. More than 300,000 people have lost their lives.

This series of maps and charts tracks the global outbreak of the virus since it emerged in China in December last year.

interaction points



shows users a curated set of data, however by clicking show more they can see a complete list

each info-graphic has its own series of options to navigate through

positives

specifying view on a graphic-by-graphic basis users can set their view settings for the graphics on a case by case basis

share button present for user provides user with the ability to easily share the web-page on their social media platform or via link

integration between text and graphics uses text and graphics to provide users with a complete understanding of the data that they are presenting

allows users to dive deeper presents users with a curated set of information, but allows them to see more if they are interested in getting a complete list of data

date updated shows user when they specific graphic was last updated

negatives

over-simplified colorscheme the only color, outside of white and black, present on the website is red

interaction points not easy to find some of the interaction points on the site are small and difficult to see, specifically the click to share, which is only viewable at the top of the site

minimal navigation available through page users can only navigate through the page using scrolling, no menu provided on page to navigate to specific sections

design options:

dashboard interface

continuous scroll

both options contain:

top-down navigation systems

allow users to easily share the page

integration between visuals and text

1

dashboard interface

a single page interface that has a series of inputs and toggles to allow the user
to navigate through the different information



COVIDMINDER

USA NY

MEDIATION

OUTCOME

DISPARITY

- Testing Hospital Beds

Germany (38/100) ▼

User Guide



Background information

EXPAND ▲



continuous scroll

one single page web-page containing multiple interfaces on it, users can navigate through the available information using fixed menu or by scrolling



COVIDMINDER

MEDIATION

OUTCOME

DISPARITY

USA NY

Uditissit a aut hil imintotatur?

Untia doluptatur, is alibus enis qui volum eritaquam vendisimus rem est, ommos im que quibea verror mo corehenda dolestis velestant aut aut il esecaborro officit, simus, to vendit veni conet omnia vel mosserem sitatem valoriam et aut pe consequ istiisi tiemandus eaquiste siti unt quate

User Guide



- Testing
- Hospital Beds

Germany (38/100)



Background information

EXPAND ▲



Untia doluptatur, is alibus enis qui volumn eritaquam venaisimus rem est, ommos im que quibea verror mo corenenda dolestis velestant aut aut il esecaborro officit, simus, to vendit veni conet omnia vel mosserem sitatem voloriam et aut pe consequ istiisi tiamendus eaquiste siti unt quate



Uditissit a aut hil imintotatur?

Background information

EXPAND ▲