

High-Level Accessibility Evaluation (WCAG 2.1)

Statista- RETEST

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Prepared for:

BTAA-Library Accessibility Alliance

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SUMMARY

This report reflects the findings of a high-level assessment of the Statista platform for its conformance with the W3C Web Content Accessibility Guidelines version 2.1 (WCAG 2.1).

Statista has made marked accessibility improvements to the system since our last evaluation. The previous issues that were found in July 2022 have been addressed, and the database is much more navigable. However, there are a few new issues that we were able to raise with this version of the system, particularly when it comes to keyboard navigation. Below these issues are detailed to aid in improving system compliance.

Key Findings

1. **Keyboard Navigation:** The biggest finding with the site is the few instances of keyboard navigation issues that should be relatively easy to resolve. These mostly occur on the search results page where some functionality is inaccessible for keyboard users. This also occurs in the data visualization that was reviewed. Accessible data visualizations are very complicated and can be difficult to resolve, so it will be important to work with an accessibility expert to remedy.
2. **Minor Issues:** There are some instances of labeling and identification issues on the search results page that are easily solvable, and one minor color contrast issue on the individual result page.

ACCESSIBILITY FINDINGS

This evaluation was conducted February 21-22, 2006 against Statista and covers a selection of features and interfaces that were tested as a representative sample of the conformance of the tool to WCAG 2.1 AA standards.

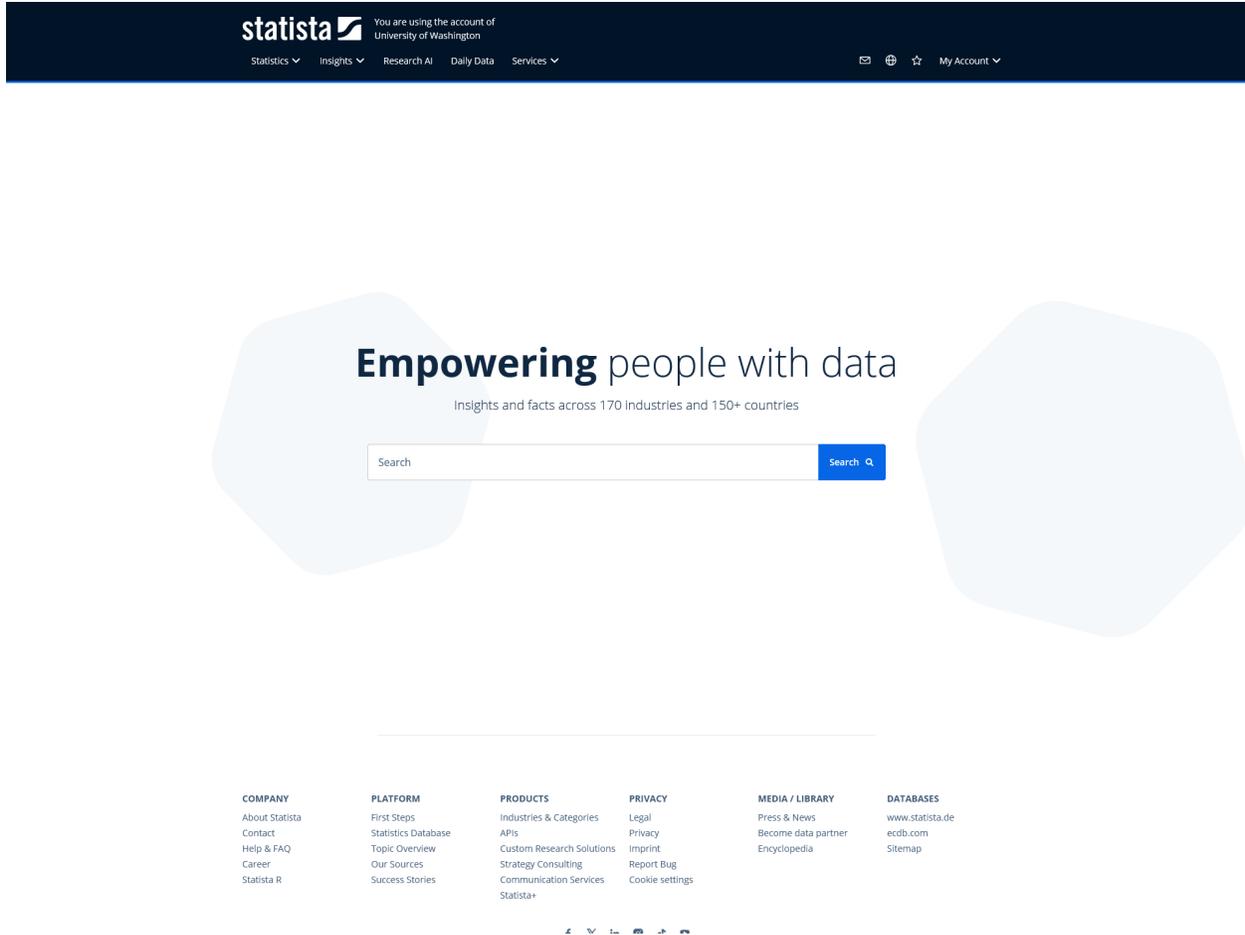
The resource was reviewed through manual analysis using the following tools:

- Colour Contrast Analyzer (CCA) v3.3.0
- NVDA v2025.1.2
- Firefox v144.0
- Chrome v141.0.7390.108
- Edge v141.0.3537.85

Below are the errors revealed during the accessibility evaluation of the Statistica platform. Each result shows a summary of accessibility issues and the reason it was flagged. Screenshots are included.

1. Initial Interface

Test Case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.



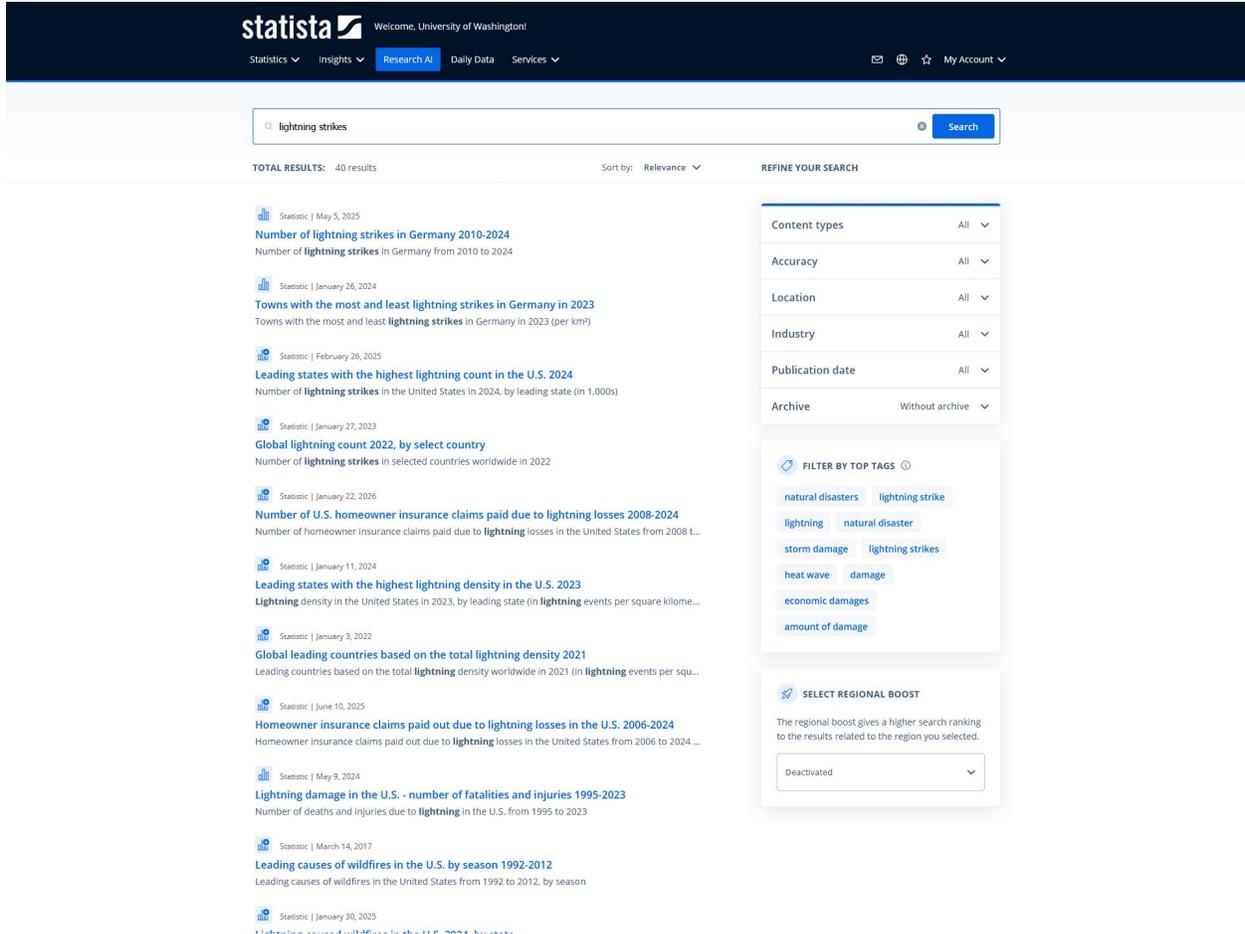
❖ **No accessibility violations were found.**

Technical Issue:

- When loading the page, the search field is automatically focused. While not an accessibility violation, it does force the screen reader to skip all the navigational content above the search field and removes the context of the page for a non-sighted user. There then is no way for a non-sighted user to know that those navigational elements exist.

2. Search Results

Test Case: From the initial landing page, conduct a search for: "lightning strikes" Test search results page, including filters/refine search by filtering Location/Region to North America and sorting Date of Publication.



SC 1.3.5: Ensure autocomplete attribute is correct and suitable for the form field.

Location:

1. `<input type="search" autocomplete="nope" maxlength="500" aria-label="Search" placeholder="Find statistics, forecasts and reports" name="searchBar" class="autoSearch__input has-historyButton">`

Reason flagged:

- The autocomplete attribute is incorrectly formatted.

SC 2.1.1: All functionality of the content must be operable through a keyboard interface.

Location:

1. `<div id="sidebar_contentId" class="sidebar_content">`

Reason flagged:

- The filter accordions do not respond to keyboard input and remain closed. They can only be opened using the mouse.

SC 2.1.1: All functionality of the content must be operable through a keyboard interface.

Location:

1. `<div class="facetedSearch_tooltip flex">`

Reason flagged:

- The “Filter by Top Tags” tooltip is inaccessible using the keyboard, barring helpful information to keyboard users.

SC 2.4.3: Focusable components must receive focus in an order that preserves meaning and operability.

Location:

1. `<div class="resultList__itemWrapper" data-results="" data-gtm-contenttype="statistic">`

Reason flagged:

- Results on the search page receive focus twice for some reason that could not be diagnosed or attributed to a specific issue, but this causes the length of the list to double for keyboard users and causes screen readers to read the result twice. After further testing this seems to be unique to the “Statistic” content type.

SC 4.1.2: Ensure buttons have discernible text.

Location:

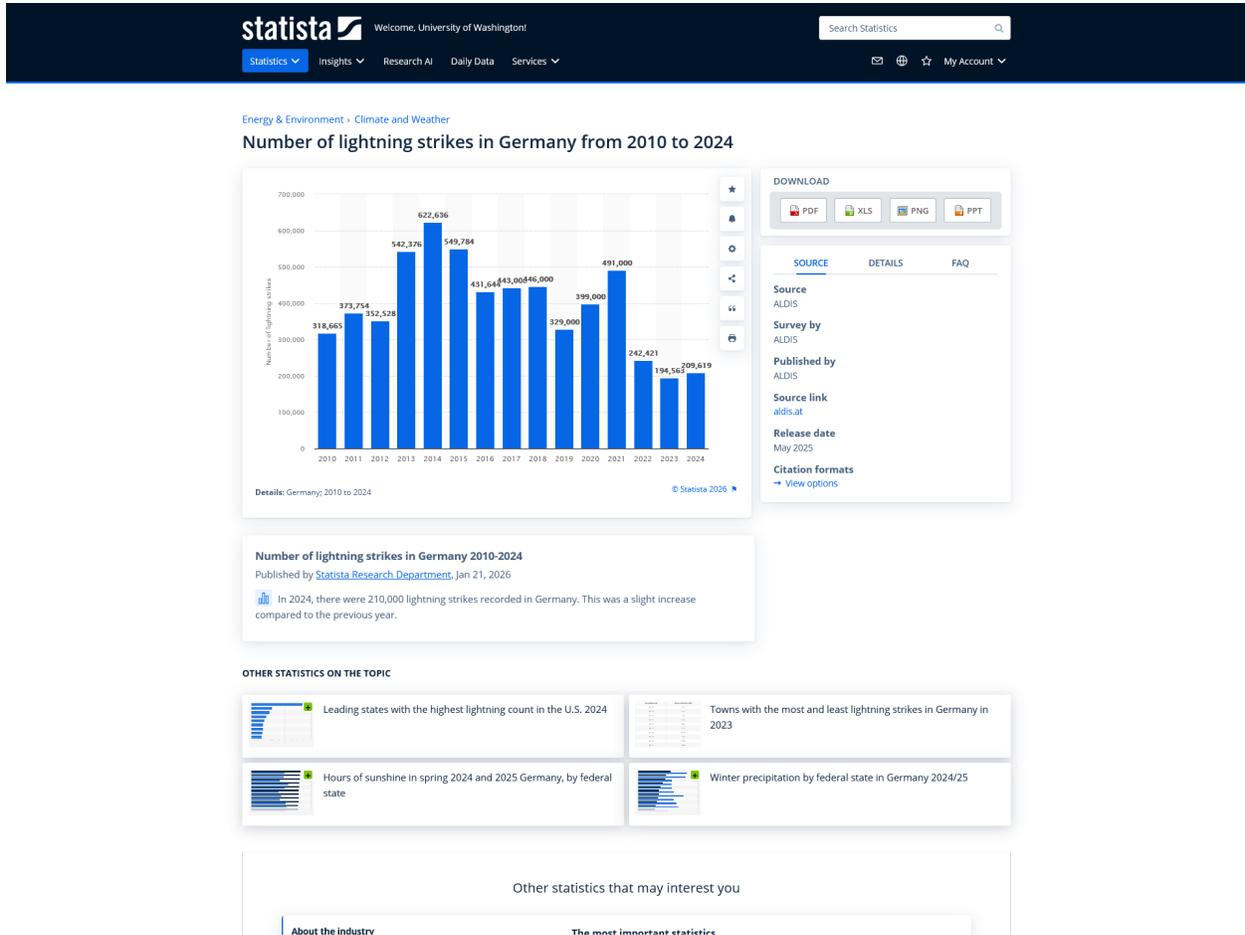
1. `<button class="autocomplete__deleteIcon searchIcon__right"><svg height="16" width="16" aria-hidden="true"><use href="#iconCrossCircleBoldInverted"></use></svg></button>`

Reason flagged:

- Element does not have inner text that is visible to screen readers
- aria-label attribute does not exist or is empty
- aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
- Element has no title attribute
- Element does not have an implicit (wrapped) `<label>`
- Element does not have an explicit `<label>`
- Element's default semantics were not overridden with `role="none"` or `role="presentation"`

3. Individual Search Results

Test Case: Test individual search result landing page & test actual document (PDF, video, etc.).



SC 1.4.3: Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds.

Location:

1. `<input id="statisticSearchInput" class="formSearchbar__textfield--withIcon statisticSearch__input" aria-label="Statista Search" type="text" name="q" value="" data-mobile-placeholder-value="Find statistics" placeholder="Find statistics, forecasts and reports" autocomplete="off" maxlength="1024">`

Reason flagged:

- The search field text (#6A7F96) has an insufficient contrast ratio of 4.12 with the background color (#FFFFFF).

SC 2.1.1: All functionality of the content must be operable through a keyboard interface.

Location:

1. `<div class="panelCard panelCard--statistic">`

Reason flagged:

- The data contained in the graph is hoverable but not focusable, creating a difference in the experience for keyboard users.

Disclaimer: This high-level evaluation was conducted for the Library Accessibility Alliance and represents a good faith effort conducted within a limited time frame. It should not be assumed to be complete or free from error. No warranties or guarantees are implied. UT is not responsible for direct, indirect, or incidental damages based on this work; its use or interpretation by any individual, group, or organization; or on conditions beyond our control.