

Accessibility Checklist for Data Visualizations

Accessible text

✓	Accessibility Requirement	WCAG
☐	Web page has a descriptive URL and title .	2.4.2 2.4.4
☐	Alt text is provided for images (e.g., agency logo).	1.1.1
☐	Web page has descriptive headings .	2.4.6
☐	Data visualizations have descriptive titles and/or captions with key takeaways.	1.1.1
☐	Narrative sections use text, not images of text (unless it's a logo).	1.4.5
☐	The main language on a page, and any words in a different language, are identified (if using markup).	3.1.1 3.1.2
☐	Links are descriptive; the purpose of links (e.g., to references, other resources) can be determined from the link text alone.	2.4.4
☐	Tooltips are turned off or non-essential if tooltips are not accessible by keyboard, assistive technology.	1.1.1 1.4.13
☐	Interactivity controls (e.g., navigation buttons, filters, parameters) have instructions, descriptive labels and error messages (if applicable).	1.1.1 2.5.3 3.2.2 3.3.1 3.3.2

✓	Accessibility Requirement	WCAG
☐	Instructions for understanding and operating content don't rely solely on shape, color, size or direction.	1.3.3
☐	Web page has undergone a plain language review; ensure revisions do not change content meaning or intent.	3.1.5
☐	Definitions of unusual words, abbreviations provided (recommended, not required).	3.1.3 3.1.4
☐	A transcript and captions are provided for embedded YouTube videos.	1.2.1 1.2.2
☐	If an embedded video has narrative during a demonstration that precludes an audio description, an alternative format is available.	1.2.3

Accessible color

✓	Accessibility Requirement	WCAG
☐	Color is paired with direct labeling, shading, or shape.	1.4.1
☐	The text to background contrast ratio is at least 4.5:1 or 3:1 if large (18pt or bolded 14pt).	1.4.3
☐	Non-text (i.e., user interface components and graphical object like data visualizations) to background contrast ratio is at least 3:1. Lines in a chart have at least 3:1 contrast ratio with the background (not with the axes or with each other). Charts with adjoining colors (like a map) have 3:1 contrast ratio with each other or with the border boundaries.	1.4.11

Accessible function

✓	Accessibility Requirement	WCAG
☐	Connect to publishable aggregate data only, allow downloadable data .	1.1.1
☐	Filter or aggregate to reduce the number of marks .	Tableau
☐	Elements repeated across dashboards (e.g., navigation, icons, help) are consistent .	3.2.3 3.2.4 3.2.6
☐	Provide multiple ways for people to navigate (e.g., links from and to a home page that serves as a site map; links on each page to move forward or backward)	2.4.5
☐	If possible, provide a way to bypass repeated content.	2.4.1
☐	Design such that the default focus order (e.g., top to bottom, left to right) is a meaningful content order.	1.3.2 2.4.3
☐	Markup identifies page elements , to the extent possible (e.g., h1–h6 to identify headings)	1.3.1
☐	Pointer targets are at least 24 x 24 pixels or have sufficient spacing.	2.5.8
☐	Design such that all pointer actions have a keyboard equivalent .	2.1.1
☐	For any action that involves dragging , provide a simple pointer alternative.	2.5.7
☐	Provide user instructions for keyboard navigation (e.g., how to navigate away from components).	2.1.2
☐	Content can be scaled to 400% without loss of information or functionality. This may require development of a separate layout to present content in a single column (e.g., mobile).	1.4.4 1.4.10
☐	Content can be viewed in both portrait and landscape .	1.3.4