

Accessibility Conformance Report

International Edition

(Based on VPAT[®] Version 2.4)

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Name of Product/Version: CourseKata Statistics and Data Science: A Modeling Approach (v3.1)

Report Date: 29 Apr, 2022

Product Description: CourseKata Statistics and Data Science: A Modeling Approach is a college and high school level introductory course in data science based on the interactive online textbook Statistics and Data Science: A Modeling Approach.

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Notes:

The testing process was carried out in compliance to the WCAG 2.1 AA guidelines. The product was found to be overall partially supportive.

Accessibility for Americans with Disabilities Act (ADA) website compliance requires all public and (large) private organizations to make their websites and web content conform with mandatory accessibility standards (WCAG 2.0). WCAG is simply a set of formal guidelines on how to develop accessible web content. These standards represent a higher level of accessibility than 508 standards, although they are identical or very similar. WCAG focuses primarily on HTML accessibility.

Evaluation Methods Used:

[&]quot;Voluntary Product Accessibility Template" and "VPAT" are registered service marks of the Information Technology Industry Council (ITI)

The product was tested against all of the applicable 50 success criteria within the Web Content Accessibility Guidelines (WCAG) 2.1 Conformance Level A and AA. The testing methodology included a combination of automated testing, manual testing conducted via paired testing methodology involving two testers, one of them is a non-sighted and the other is a sighted accessibility expert. This testing methodology ensures that every aspect related to accessibility and user experience is included in our analysis. Below is a list of some of the technologies and environments used:

- Assistive technologies Screen readers NVDA, Jaws, Keyboard only interaction,
- Browser zoom 200% and 400%
- Automated tools aXe, Color Contrast Analyzer;
- Browsers Chrome, Edge, Firefox;
- Accessibility plugins aXe;
- Desktop- Windows 10

The combinations of technologies used were the following:

- Windows with Firefox and NVDA;
- Windows with Chrome and Jaws;
- Windows with Edge and Jaws;
- Windows with Chrome and aXe;
- Windows with Google Chrome and Zoom;
- Windows with Google Chrome and Color Contrast Analyzer;

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)
EN 301 549 Accessibility requirements suitable for public procurement of ICT products and services in Europe, - V3.1.1 (2019-11)	(No)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- Not Applicable: The criterion is not relevant to the product.
- Not Evaluated: The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.1 Report

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 Web, Sections 10.1-10.4 of Chapter 10 Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 Documentation
- Revised Section 508: Chapter 5 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 602.3 Electronic Support Documentation.

Note: When reporting on conformance with the WCAG 2.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the <u>WCAG 2.0 Conformance Requirements</u>.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: EN 301 549 Criteria 9.1.1.1 (Web) 10.1.1.1 (Won-web document) 11.1.1.1.1 (Open Functionality Software) 11.1.1.1.2 (Closed Functionality Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508	Supports	Remarks: Proper alt text has been provided to all of the meaningful graphic and also decorative images are hidden for screen reader users.
 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria 9.1.2.1 (Web) 10.1.2.1 (Non-web document) 11.1.2.1.1 (Open Functionality Software) 11.1.2.1.2.1 and 11.1.2.1.2.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) 	Supports	Remark: All videos have synchronized captions.
Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 1.2.2 Captions (Prerecorded) (Level A) Also applies to:	Supports	Remark:

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria 9.1.2.2 (Web) 10.1.2.2 (Non-web document) 11.1.2.2 (Open Functionality Software) 11.1.2.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)		All videos have synchronized captions.
 1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: EN 301 549 Criteria 9.1.2.3 (Web) 10.1.2.3 (Non-web document) 11.1.2.3.1 (Open Functionality Software) 11.1.2.3.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Does Not Support	Remark: Videos do not have transcript and audio description.
1.3.1 Info and Relationships (Level A) Also applies to: EN 301 549 Criteria 9.1.3.1 (Web) 10.1.3.1 (Non-web document) 11.1.3.1.1 (Open Functionality Software) 11.1.3.1.2 (Closed Software) 11.8.2 (Authoring Tool)	Partially Supports	Remark: Screen reader properly identifies most of the information available in the application and the screen reader user is easily able to perceive the relationships between an element and its role. However, there are a few exceptions:

Criteria	Conformance Level	Remarks and Explanations
 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 		 Exceptions: 1. Text 'To Install Chrome, To Update Chrome to the latest version' etc are not tagged in heading. 2. Screen reader is unnecessarily reading the label of 'Submit' button twice. 3. Text 'Statistics and Data Science: A Modeling Approach' is not tagged in heading. 4. List items present under 'With the assistance of:' are not tagged in list tag. 5. Unnecessary table tag is implemented on 'Statistics and Data Science: A Modeling Approach' page.
 1.3.2 Meaningful Sequence (Level A) Also applies to: EN 301 549 Criteria 9.1.3.2 (Web) 10.1.3.2 (Non-web document) 11.1.3.2.1 (Open Functionality Software) 11.1.3.2.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Remark: Screen reader reads the content present in the application in a meaningful sequence with the help of arrow keys.
 1.3.3 Sensory Characteristics (Level A) Also applies to: EN 301 549 Criteria 9.1.3.3 (Web) 	Supports	Remark:

Criteria	Conformance Level	Remarks and Explanations
 10.1.3.3 (Non-web document) 11.1.3.3 (Open Functionality Software) 11.1.3.3 (Closed Software) 11.1.3.3 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 1.4.1 Use of Color (Level A) Also applies to: EN 301 549 Criteria 9.1.4.1 (Web) 10.1.4.1 (Non-web document) 11.1.4.1 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	The course content has sensory characteristics such as shape, bars, charts and dotted patterns for visual explanations accompanied by alt text. Remark: Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information in the course.
1.4.2 Audio Control (Level A) Also applies to: EN 301 549 Criteria 9.1.4.2 (Web) 10.1.4.2 (Non-web document) 11.1.4.2 (Open Functionality Software) 11.1.4.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs)	Not Applicable	Remark: There is no such audio available in the application, which plays automatically as soon as the page is launched.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 2.1.1 Keyboard (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.1 (Web) • 10.2.1.1 (Non-web document)		Remark: Application has support for keyboard interaction, as all
 11.2.1.1.1 (Open Functionality Software) 11.2.1.1.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	the interactive elements are accessible using the keyboard commands. It works similarly for both screen reader and keyboard-only users.
 2.1.2 No Keyboard Trap (Level A) Also applies to: EN 301 549 Criteria 9.2.1.2 (Web) 10.2.1.2 (Non-web document) 11.2.1.2 (Open Functionality Software) 11.2.1.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Remark: Application has good support for keyboard interaction and there is no keyboard trap issue throughout the application.
2.1.4 Character Key Shortcuts (Level A 2.1 only) Also applies to:	Not Applicable	Remark:

Criteria	Conformance Level	Remarks and Explanations
EN 301 549 Criteria		There are no such character key shortcuts required in
• 9.2.1.4 (Web)		the application to operate any feature, which clashes
• 10.2.1.4 (Non-web document)		with the predefined screen reader shortcuts.
 11.2.1.4.1 (Open Functionality Software) 		
• 11.2.1.4.2 (Closed Software)		
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		
2.2.1 Timing Adjustable (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.2.2.1 (Web)		
• 10.2.2.1 (Non-web document)		
• 11.2.2.1 (Open Functionality Software)	Not Applicable	Remark:
• 11.2.2.1 (Closed Software)		There is no session timeout functionality in the
• 11.8.2 (Authoring Tool)		There is no session timeout functionality in the
• 12.1.2 (Product Docs)		application.
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 504 2 (Authoring Teel) 		
 504.2 (Authoring Tool) 602.2 (Support Docs) 		
602.3 (Support Docs)		
2.2.2 Pause, Stop, Hide (Level A)		
Also applies to: EN 301 549 Criteria		
• 9.2.2.2 (Web)		
 9.2.2.2 (Web) 10.2.2.2 (Non-web document) 	Partially Supports	Remark:
 10.2.2.2 (Non-web document) 11.2.2.2 (Open Functionality Software) 		It has some GIF images, which blink, move and auto
 11.2.2.2 (Open Functionality Software) 11.2.2.2 (Closed Software) 		update any information.
 11.2.2.2 (Closed Software) 11.8.2 (Authoring Tool) 		
 11.8.2 (Authorning 1001) 12.1.2 (Product Docs) 		
 12.1.2 (Froduct Docs) 12.2.4 (Support Docs) 		
Revised Section 508		

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
2.3.1 Three Flashes or Below Threshold (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.2.3.1 (Web)		
 10.2.3.1 (Non-web document) 	Not Applicable	Remark:
 11.2.3.1 (Open Functionality Software) 		
• 11.2.3.1 (Closed Software)		There is no flashing / blinking content present anywhere
• 11.8.2 (Authoring Tool)		in the application.
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
2.4.1 Bypass Blocks (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.2.4.1 (Web)	Supports	
 10.2.4.1 (Non-web document) – Does not apply 	Supports	
 11.2.4.1 (Open Functionality Software) – Does not apply 		Remark:
 11.2.4.1 (Closed Software) – Does not apply 		
• 11.8.2 (Authoring Tool)		Skip to main content link is provided on top of the page.
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authorize Tabl) 		
 504.2 (Authoring Tool) 602.2 (Support Decay) 		
602.3 (Support Docs) – Does not apply to non-web docs		
2.4.2 Page Titled (Level A)	Supports	Remark:
Also applies to:		
EN 301 549 Criteria		

Criteria	Conformance Level	Remarks and Explanations
 9.2.4.2 (Web) 10.2.4.2 (Non-web document) 11.2.4.2 (Open Functionality Software) - Does not apply 11.2.4.2 (Closed Software) - Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 		Descriptive and unique page titles are provided for different pages in the application.
 2.4.3 Focus Order (Level A) Also applies to: EN 301 549 Criteria 9.2.4.3 (Web) 10.2.4.3 (Non-web document) 11.2.4.3 (Open Functionality Software) 11.2.4.3 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	Remark: The focus order is moving in a correct sequence throughout the application. However one exception is there: Exception: 1. After hitting enter on next/ previous button, screen reader focus does not move to updated content, instead focus unnecessarily moves to left navigation bar.
 2.4.4 Link Purpose (In Context) (Level A) Also applies to: EN 301 549 Criteria 9.2.4.4 (Web) 10.2.4.4 (Non-web document) 11.2.4.4 (Open Functionality Software) 11.2.4.4 (Closed Software 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 	Partially Supports	Remark: Appropriate link text is provided for all of the links available, however few exceptions are there: Exception: 1. Proper link text is not provided for 'https://support.google.com/chrome/,' link.

Criteria	Conformance Level	Remarks and Explanations
 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 2.5.1 Pointer Gestures (Level A 2.1 only) Also applies to: EN 301 549 Criteria 9.2.5.1 (Web) 10.2.5.1 (Web) 10.2.5.1 (Non-web document) 11.2.5.1 (Open Functionality Software) 11.2.5.1 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) Revised Section 508 – Does not apply 	Supports	Remark: All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.
 2.5.2 Pointer Cancellation (Level A 2.1 only) Also applies to: EN 301 549 Criteria 9.2.5.2 (Web) 10.2.5.2 (Non-web document) 11.2.5.2 (Open Functionality Software) 11.2.5.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 – Does not apply 	Supports	Remark: Entire Application supports pointer cancellation as the down-event of the pointer is not used to execute any part of the function, elements trigger only by using the up-event.
 2.5.3 Label in Name (Level A 2.1 only) Also applies to: EN 301 549 Criteria 9.2.5.3 (Web) 10.2.5.3 (Non-web document) 11.2.5.3.1 (Open Functionality Software) 11.2.5.3.2 (Closed Software) 	Supports	Remark: Visual label matches with the accessible or programmatic name for the elements. However, there are a few exceptions, where visual label does not match with the programmatic name for the elements.

Criteria	Conformance Level	Remarks and Explanations
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		
2.5.4 Motion Actuation (Level A 2.1 only)		
Also applies to:		
EN 301 549 Criteria		
• 9.2.5.4 (Web)		Remark:
 10.2.5.4 (Non-web document) 	Not Applicable	There is no functionality in the application that can be
 11.2.5.4 (Open Functionality Software) 		operated by device motion or user motion.
 11.2.5.4 (Closed Software) 		operated by device motion of user motion.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		
3.1.1 Language of Page (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.3.1.1 (Web)		
 10.3.1.1 (Non-web document) 		Remark:
• 11.3.1.1.1 (Open Functionality Software)	Supports	
• 11.3.1.1.2 (Closed Software)		Lang attribute 'En' is provided for the all the pages in the
• 11.8.2 (Authoring Tool)		application.
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.2.1 On Focus (Level A)	Supports	
Also applies to:		
EN 301 549 Criteria		Remark:
• 9.3.2.1 (Web)		
• 10.3.2.1 (Non-web document)		

Criteria	Conformance Level	Remarks and Explanations
 11.3.2.1 (Open Functionality Software) 11.3.2.1 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 3.2.2 On Input (Level A) Also applies to: EN 301 549 Criteria 9.3.2.2 (Web) 		Application does not have any feature / functionality, which triggers automatically on receiving the focus.
 10.3.2.2 (Non-web document) 11.3.2.2 (Open Functionality Software) 11.3.2.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Remark: Change of context does not happen anywhere in the application when changing the setting of any UI component.
 3.3.1 Error Identification (Level A) Also applies to: EN 301 549 Criteria 9.3.3.1 (Web) 10.3.3.1 (Non-web document) 11.3.3.1.1 (Open Functionality Software) 11.3.3.1.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 	Supports	Remark: Error message is provided in textual format.

Criteria	Conformance Level	Remarks and Explanations
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.3.2 Labels or Instructions (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.3.3.2 (Web)		
 10.3.3.2 (Non-web document) 		Remark:
 11.3.3.2 (Open Functionality Software) 	Supports	All the form fields present in the application have
• 11.3.3.2 (Closed Software)	Supports	appropriate labels.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
4.1.1 Parsing (Level A)		
Also applies to:		
EN 301 549 Criteria		
• 9.4.1.1 (Web)		
• 10.4.1.1 (Non-web document)		
• 11.4.1.1.1 (Open Functionality Software)	Does Not Support	Remark:
 11.4.1.1.2 (Closed Software) – Does not apply 		1 Application contains multiple clangests with the same
• 11.8.2 (Authoring Tool)		1. Application contains multiple elements with the same id attribute value.
• 12.1.2 (Product Docs)		la attribute value.
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 504 2 (Authoring Teal) 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		

Criteria	Conformance Level	Remarks and Explanations
 4.1.2 Name, Role, Value (Level A) Also applies to: EN 301 549 Criteria 9.4.1.2 (Web) 10.4.1.2 (Non-web document) 11.4.1.2.1 (Open Functionality Software) 11.4.1.2.2 (Closed Software) – Not required 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) 	Partially Supports	Remark: Most of the components present in the application have proper name/label, role/state and value, which helps screen reader user to understand the actual purpose and nature of these components. However, there are a few exceptions where Name/Role/Value is not associated properly for the elements.
Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		Exceptions: 1. Role of 'safari, chrome, firefox' etc checkboxes are not defined.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
 1.2.4 Captions (Live) (Level AA) Also applies to: EN 301 549 Criteria 9.1.2.4 (Web) 10.1.2.4 (Non-web document) 11.1.2.4 (Open Functionality Software) 11.1.2.4 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 	Not Applicable	Remark: There is no live multimedia content present in the application.

Criteria	Conformance Level	Remarks and Explanations
602.3 (Support Docs)		
1.2.5 Audio Description (Prerecorded) (Level AA)		
Also applies to:		
EN 301 549 Criteria		
• 9.1.2.5 (Web)		
• 10.1.2.5 (Non-web document)		
 11.1.2.5 (Open Functionality Software) 	Does Not Support	Remark:
• 11.1.2.5 (Closed Software)		It does not have any audio description.
• 11.8.2 (Authoring Tool)		it does not have any addio description.
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.3.4 Orientation (Level AA 2.1 only)		
Also applies to:		
EN 301 549 Criteria		
• 9.1.3.4 (Web)	Not Applicable	
• 10.1.3.4 (Non-web document)		Remark:
 11.1.3.4 (Open Functionality Software) 		
• 11.1.3.4 (Closed Software)		Testing on mobile application was not in scope.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		
1.3.5 Identify Input Purpose (Level AA 2.1 only)		
Also applies to:	Supports	Remark:
EN 301 549 Criteria		Application provides labels for majority of instances
• 9.1.3.5 (Web)		Application provides labels for majority of instances,
• 10.1.3.5 (Non-web document)		which are associated with respective input fields, where
 11.1.3.5.1 (Open Functionality Software) 11.1.3.5.2 (Clear & Software) 		user needs to provide input information. Also,
• 11.1.3.5.2 (Closed Software)		Application uses autocomplete attribute which means
• 11.8.2 (Authoring Tool)		

Criteria	Conformance Level	Remarks and Explanations
 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 – Does not apply 		information does not need to be remembered by the user.
 1.4.3 Contrast (Minimum) (Level AA) Also applies to: EN 301 549 Criteria 9.1.4.3 (Web) 10.1.4.3 (Non-web document) 11.1.4.3 (Open Functionality Software) 11.1.4.3 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Partially Supports	 Remark: Application has sufficient contrast ratio i.e. 4.5:1 for most of the elements present in the application. However, at some instances contrast ratio is not sufficient for different elements. Exceptions: 1. Color contrast ratio of text 'https://support.google.com/chrome' having blue foreground and white background is less than the standard ratio 4.5:1. 2. Color contrast ratio of text 'Make sure this is off (as pictured)' having red foreground and white background is less than the standard ratio 4.5:1. 3. Color contrast ratio of text 'try again' having white foreground and blue background is less than the standard ratio 4.5:1.
1.4.4 Resize text (Level AA) Also applies to: EN 301 549 Criteria 9.1.4.4 (Web) 10.1.4.4 (Non-web document) 11.1.4.4.1 (Open Functionality Software) 11.1.4.4.2 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs)	Supports	Remark: Application is operable and readable while resizing the content using the browser zoom feature.

Criteria	Conformance Level	Remarks and Explanations
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.4.5 Images of Text (Level AA)		
Also applies to:		
EN 301 549 Criteria		Remark:
• 9.1.4.5 (Web)	Not Applicable	Nettiai K.
 10.1.4.5 (Non-web document) 		There is no such information present in the application,
 11.1.4.5.1 (Open Functionality Software) 		which is in the form of Image of text.
 11.1.4.5.2 (Closed Software) – Does not apply 		Ŭ
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.4.10 Reflow (Level AA 2.1 only)		
Also applies to:		
EN 301 549 Criteria		
• 9.1.4.10 (Web)	Supports	Remark:
• 10.1.4.10 (Non-web document)		Application is operable and readable while resizing the
 11.1.4.10 (Open Functionality Software) 		content using the browser zoom feature.
 11.1.4.10 (Closed Software) 		content using the browser zoom reduce.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		
1.4.11 Non-text Contrast (Level AA 2.1 only)	Partially Supports	Remark:
Also applies to:		Application has sufficient contrast ratio i.e. 4.5:1 for
EN 301 549 Criteria		most of the elements present in the application.

Criteria	Conformance Level	Remarks and Explanations
 9.1.4.11 (Web) 10.1.4.11 (Non-web document) 11.1.4.11 (Open Functionality Software) 11.1.4.11 (Closed Software) 		However, at some instances contrast ratio is not sufficient for different elements.
 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) 		Exceptions:
Revised Section 508 – Does not apply		1. The color contrast ratio of border line of checkboxes is less than the standard ratio 3:1.
 1.4.12 Text Spacing (Level AA 2.1 only) Also applies to: EN 301 549 Criteria 9.1.4.12 (Web) 10.1.4.12 (Non-web document) 11.1.4.12 (Open Functionality Software) 11.1.4.12 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) 	Supports	Remark: Application provides support for people with low vision and cognitive disabilities as it allows users to view the application content in their desired text (Letter, word, line and paragraph) spacing.
Revised Section 508 – Does not apply 1.4.13 Content on Hover or Focus (Level AA 2.1 only) Also applies to: EN 301 549 Criteria 9.1.4.13 (Web) 10.1.4.13 (Non-web document) 11.1.4.13 (Open Functionality Software) 11.1.4.13 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	Remark: There is a web element available in the application which triggers the additional content after receiving pointer hover or keyboard focus and the additional content is hoverable and dismissible.
2.4.5 Multiple Ways (Level AA) Also applies to: EN 301 549 Criteria	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
 9.2.4.5 (Web) 10.2.4.5 (Non-web document) – Does not apply 11.2.4.5 (Open Functionality Software) – Does not apply 11.2.4.5 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 		Remark: Multiple ways is not required in the application.
 602.3 (Support Docs) – Does not apply to non-web docs 2.4.6 Headings and Labels (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.6 (Web) 10.2.4.6 (Non-web document) 11.2.4.6 (Open Functionality Software) 11.2.4.6 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Remark: Headings present in the application are descriptive enough to understand their purpose and sufficient label is provided for each form field wherever descriptive label is needed.
 2.4.7 Focus Visible (Level AA) Also applies to: EN 301 549 Criteria 9.2.4.7 (Web) 10.2.4.7 (Non-web document) 11.2.4.7 (Open Functionality Software) 11.2.4.7 (Closed Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 	Supports	Remark: Tab focus is visible on each interactive element present in the application.

Criteria	Conformance Level	Remarks and Explanations
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.1.2 Language of Parts (Level AA)		
Also applies to:		
EN 301 549 Criteria		
• 9.3.1.2 (Web)		
• 10.3.1.2 (Non-web document)	Supports	Remark:
• 11.3.1.2 (Open Functionality Software) – Does not apply		Application content is available in English language only.
 11.3.1.2 (Closed Software) – Does not apply 		There is no change in language throughout the
• 11.8.2 (Authoring Tool)		application.
• 12.1.2 (Product Docs)		application.
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.2.3 Consistent Navigation (Level AA)		
Also applies to:		
EN 301 549 Criteria		
• 9.3.2.3 (Web)		
 10.3.2.3 (Non-web document) – Does not apply 	Supports	Remark:
 11.3.2.3 (Open Functionality Software) – Does not apply 		
 11.3.2.3 (Closed Software) – Does not apply 		Repeated components are occurring in the same order
• 11.8.2 (Authoring Tool)		on every page of the application, which helps screen
• 12.1.2 (Product Docs)		reader and cognitive user to predict the location of
• 12.2.4 (Support Docs)		different web elements on each page.
Revised Section 508		
 501 (Web)(Software) – Does not apply to non-web software 		
• 504.2 (Authoring Tool)		
 602.3 (Support Docs) – Does not apply to non-web docs 		

Criteria	Conformance Level	Remarks and Explanations
3.2.4 Consistent Identification (Level AA)		
Also applies to:		
EN 301 549 Criteria		
• 9.3.2.4 (Web)	Supports	
 10.3.2.4 (Non-web document) – Does not apply 		Remark:
 11.3.2.4 (Open Functionality Software) – Does not apply 		Elements that have the same functionality across
 11.3.2.4 (Closed Software) – Does not apply 		multiple pages in the application have same labels or
• 11.8.2 (Authoring Tool)		same name.
• 12.1.2 (Product Docs)		same name.
• 12.2.4 (Support Docs)		
Revised Section 508		
 501 (Web)(Software) – Does not apply to non-web software 		
• 504.2 (Authoring Tool)		
602.3 (Support Docs) – Does not apply to non-web docs		
3.3.3 Error Suggestion (Level AA)		
Also applies to:		
EN 301 549 Criteria	Supports	
• 9.3.3.3 (Web)	Supports	
 10.3.3.3 (Non-web document) 		Remark:
 11.3.3.3 (Open Functionality Software) 		
• 11.3.3.3 (Closed Software)		Error message provided is descriptive enough.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	Remark:
Also applies to:		
EN 301 549 Criteria		This success criterion is related to legal commitment,
• 9.3.3.4 (Web)		financial data, etc., which involves serious risk, if no
• 10.3.3.4 (Non-web document)		option, is provided for user to review or revert the data
 11.3.3.4 (Open Functionality Software) 		

Criteria	Conformance Level	Remarks and Explanations
• 11.3.3.4 (Closed Software)		before submission. However, application does not have
• 11.8.2 (Authoring Tool)		any such forms, where such risk is associated.
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
4.1.3 Status Messages (Level AA 2.1 only)		
Also applies to:		
EN 301 549 Criteria		
• 9.4.1.3 (Web)		Remark:
• 10.4.1.3 (Non-web document)	Not Applicable	
 11.4.1.3 (Open Functionality Software) 		No alert/ notification/ message appears in the
 11.4.1.3 (Closed Software) – Does not apply 		application.
• 11.8.2 (Authoring Tool)		
• 12.1.2 (Product Docs)		
• 12.2.4 (Support Docs)		
Revised Section 508 – Does not apply		

Table 3: Success Criteria, Level AAA

Notes: Not Applicable

Revised Section 508 Report

Notes:

Chapter 3: <u>Functional Performance Criteria</u> (FPC)

Criteria	Conformance Level	Remarks and Explanations
		Remark:
		NVDA and Jaws screen reader equally supports the application. Users using these screen readers can easily operate the application. However, there are a some instances, where a screen reader user will have difficulties in understanding the information.
	Partially Supports	
302.1 Without Vision		Exceptions:
		 Text 'To Install Chrome, To Update Chrome to the latest version' etc are not tagged in heading.
		2. Text 'Statistics and Data Science: A Modeling Approach' is not tagged in heading.
		3. List items present under 'With the assistance of:' are not tagged in list tag.
	Partially Supports	Remark:
302.2 With Limited Vision		Color scheme is appropriate and color
		contrast ratio of most of the interactive

Criteria	Conformance Level	Remarks and Explanations
		elements is equal to or greater than standard ratio of 4.5:1.
		However, there are a few instances where low vision user will find it difficult to recognize web elements as their color contrast ratio is less than the standard ratio.
		Exceptions:
		1. Color contrast ratio of text <u>https://support.google.com/chrome</u> having blue foreground and white background is less than the standard ratio 4.5:1.
		2. Color contrast ratio of text 'try again' having white foreground and blue background is less than the standard ratio 4.5:1.
		3. Color contrast ratio of text 'Make sure this is off (as pictured)' having red foreground and white background is less than the standard ratio 4.5:1.
302.3 Without Perception of Color	Supports	Remark: Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information.
302.4 Without Hearing	Supports	Remark:

Criteria	Conformance Level	Remarks and Explanations
		 Captions are present in the video.
	Supports	Remark:
302.5 With Limited Hearing		1. Captions are present in the video.
	Not Applicable	Remark:
302.6 Without Speech		Speech is not required to complete any task or activity.
		Remark:
302.7 With Limited Manipulation	Not Applicable	There are no such complicated keyboard actions required in the application to perform any task, which requires simultaneous actions or fine motor control.
		Remark:
302.8 With Limited Reach and Strength	Partially Supports (Keyboard)	Application has good support for keyboard interaction, as interactive elements are accessible using the keyboard commands. It works similarly for both screen reader and keyboard-only users.
	Supports	Remark:
302.9 With Limited Language, Cognitive, and Learning Abilities		Many features in the application have good support for users with cognitive disabilities due to following reasons:

Criteria	Conformance Level	Remarks and Explanations
		 Application does not have any moving text/images/animations, which disrupts in reading.
		 Application does not have any multimedia, which plays automatically and confuses the user.
		3. Application does not have any flashing object, which causes seizure.

Chapter 4: <u>Hardware</u>

Notes: This website is a web software application and is not subjected to the requirements of this section

Chapter 5: <u>Software</u>

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not Applicable	Remark: Application is not considered platform software as defined by Section 508.
502.2.2 No Disruption of Accessibility Features	Supports	Remark: Application does not prohibit user to use any built-in accessibility features provided by Operating System itself. It means user

Criteria	Conformance Level	Remarks and Explanations
		can use features such as zoom, High Contrast, etc., along with the application without any problem. User can activate features like sticky keys in windows etc., while working in application.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Partially Supports (Name, role)	Remark: Most of the components present in the application have proper name/label, role/state and value, which helps screen reader user to understand the actual purpose and nature of these components. Exceptions: 1. Role of 'safari, chrome, firefox' etc checkboxes are not defined.
502.3.2 Modification of Object Information	Partially Supports (Changing state)	Remark: Current state and change in state of any object is programmatically recognized by assistive technology
502.3.3 Row, Column, and Headers	Partially Supports (table related issues)	Remark: Unnecessary table tag is implemented on 'Statistics and Data Science: A Modeling Approach' page.
502.3.4 Values	Supports (current value)	Remark:

Criteria	Conformance Level	Remarks and Explanations
		Current value associated with the object is perceived programmatically by the assistive technology.
		Remark:
502.3.5 Modification of Values	Supports	Value that can be set by the user is perceived programmatically by the assistive technology.
		Remark:
502.3.6 Label Relationships	Supports	This website uses standard HTML and WAI-ARIA attributes to describe label relationships of user interface elements to Assistive Technologies.
502.3.7 Hierarchical Relationships	Supports	Remark: 1. Heading hierarchy is correct.
		Remark:
502.3.8 Text	Supports (plain text issues)	Application renders strings as plain text values in HTML for maximum compatibility with assistive technologies.
		Remark:
502.3.9 Modification of Text		Application renders strings as plain text values in HTML for maximum compatibility

Criteria	Conformance Level	Remarks and Explanations
	Supports (Text entered by user is	with assistive technologies. Text entered by
	perceived by screen reader easily.)	user is perceived by screen reader easily.
		Remark:
		Application programmatically exposes
		almost all actions that can be executed on
502.3.10 List of Actions	Supports	an object.
SUZ.3.10 LIST OF ACTIONS		
		Remark:
		Application allows assistive technologies
502.3.11 Actions on Objects	Supports (guideline 2.1.1)	(AT) to programmatically execute available
		actions on objects
		Demerlu
502.3.12 Focus Cursor	Supports (focus indicator)	Remark:
		Tab focus is visible on interactive elements.
		Remark:
		Application is not considered platform
502.3.13 Modification of Focus Cursor	Not Applicable	software as defined by Section 508.
502.3.14 Event Notification		Remark:

Criteria	Conformance Level	Remarks and Explanations
	Not Applicable	No status messages and notifications appears in the application.
502.4 Platform Accessibility Features	Not Applicable (platform software)	Remark: Application is not considered platform software as defined by Section 508.
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports (check whether application allows user to enable high contrast or browser zoom)	Remark: Application respects user preferences from OS settings. For example, if a lower vision user enables high contrast mode, user interfaces will display in high contrast.
503.3 Alternative User Interfaces	Not Applicable	Remark: Application does not provide any alternative user interfaces that function as assistive technology.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	Remark: No multimedia content is present in the application.
503.4.2 Audio Description Controls	Not Applicable	Remark:

Criteria	Conformance Level	Remarks and Explanations
		There is no audio and video content present in the application that requires audio description.
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See <u>WCAG 2.x</u> section	See information in WCAG 2.x section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	Remark: There is no feature to convert content from one format to another in the application.
504.2.2 PDF Export	Not Applicable	Remark: There is no PDF export feature in the application.
504.3 Prompts	Not Applicable	Remark: There is no prompt in the application to create content.
504.4 Templates	Not Applicable	Remark: There are no templates provided in the application to create content.

Chapter 6: <u>Support Documentation and Services</u>

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Does not support	Remark: There is no section available in the application, which describes the information regarding accessibility and its compatibility with different assistive technologies.
602.3 Electronic Support Documentation	See <u>WCAG 2.1</u> section	Application provides Help content pages which gives information on available content. People with visual disability are not able to read and understand this information easily, as user guide PDFs are not tagged for screen reader user.
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	Remark: Since, the application provides information through the digital medium and it allows user to access the 'Help' feature for further help regarding the digital content and documentation. There is no such requirement of alternate formats for non-electronic support documentation as support services are available electronically.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	The CourseKata Accessibility team can answer questions about accessibility.

Criteria	Conformance Level	Remarks and Explanations
603.3 Accommodation of Communication Needs	Supports	The CourseKata Accessibility team can answer questions about accommodations.

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