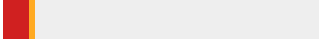
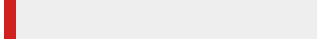
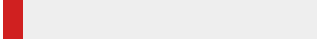
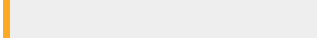
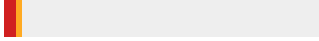
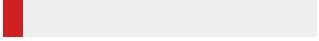
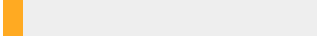


# Issue Report

Site quality report for https://analyse.kmi.open.ac.uk/ produced on January 20, 2025.

Overall Quality		11 pages with quality issues
Errors		6 pages with broken links or other errors
Accessibility		9 pages with accessibility problems
Compatibility		1 pages with browser specific issues
Search		6 pages with search engine issues
Standards		7 pages have W3C standards issues
Usability		7 pages with usability issues
Totals		154 URLs checked

## Errors

This section shows site quality issues, including broken links and server mis-configurations.

### Priority 1

5 issues on 6 pages

- This `img` links to a file with the wrong MIME type for an image.

This can happen if you link an image to an HTML page, or the image is missing and an error page is returned instead.

Server Configuration

Image: <https://kmi.open.ac.uk/news/> file type is: text/html.  
<https://analyse.kmi.open.ac.uk/> line 616

- This link is broken. The link target could not be loaded due to an HTTP error.

This is sometimes a temporary problem, but if it persists it indicates a serious problem on your web server.

#### [Broken Link HTTP](#)

Broken link: [https://www.sciencedirect.com/unsupported\\_browser](https://www.sciencedirect.com/unsupported_browser) 400 Bad Request  
<https://analyse.kmi.open.ac.uk/> line 334

Broken link: <https://elevator.jisc.ac.uk/e/open-data-mashup-challenge/about> 503 Service Unavailable Squid was unable to find the requested page due to a DNS error or the target server not running. X-Squid-Error: ERR\_CONNECT\_FAIL 110  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 264

Broken link: [https://www.sciencedirect.com/unsupported\\_browser](https://www.sciencedirect.com/unsupported_browser) 400 Bad Request  
[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 468

Broken link: <https://elevator.jisc.ac.uk/e/open-data-mashup-challenge/about> 503 Service Unavailable Squid was unable to find the requested page due to a DNS error or the target server not running. X-Squid-Error: ERR\_CONNECT\_FAIL 110  
<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 1

Broken link: [https://www.sciencedirect.com/unsupported\\_browser](https://www.sciencedirect.com/unsupported_browser) 400 Bad Request  
<https://analyse.kmi.open.ac.uk/testimonials> line 150

- This link is broken. The page could not be found on the target web server.

Fixing this depends on how the link became broken:

- The link has been mistyped and should be fixed
- The destination page has moved and the link should be updated
- The destination page no longer exists and the link should be removed
- A file has been accidentally deleted and should be replaced

### Broken Link HTTP 404

Broken link: <https://www.timeshighereducation.com/news/week-higher-education---30-july-2015> 404 Not Found <https://analyse.kmi.open.ac.uk/> line 636

Broken link: <https://www.timeshighereducation.com/news/week-higher-education---30-july-2015> 404 Not Found [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 899

Broken link: <https://blog.rinesi.com/the-normalcy-of-online-learning-the-more-study-the-better-you-do> 404 Not Found <https://analyse.kmi.open.ac.uk/testimonials> line 105

- This link returns a 403 Forbidden HTTP status code.

Web servers return this code when access is denied to a URL.

### Broken Link HTTP 403

Link: <https://bera-journals.onlinelibrary.wiley.com/doi/pdfdirect/10.1111/bjet.13509>  
403 Forbidden <https://analyse.kmi.open.ac.uk/> line 304

Link: <https://bera-journals.onlinelibrary.wiley.com/doi/pdfdirect/10.1111/bjet.13509>  
403 Forbidden [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 424

- This page contains some spelling errors.

Click the word to add it to the dictionary. Click it again if you want to remove it.

sdata vol csv <https://analyse.kmi.open.ac.uk/> line 391 468

unregistration unregistration csv [https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 108 223

sdata vol csv [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 545 644

desription [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 121

marloft <https://analyse.kmi.open.ac.uk/testimonials> line 176

## Accessibility

This section shows accessibility issues, indicating problems for older users, people with disabilities or accessibility needs. Automated testing cannot detect all accessibility issues, so should be used alongside human testing.

### Level A

10 issues on 9 pages

- Document `title` must not be blank.  
For HTML pages change the `title` element. For Office documents and PDF documents produced from Office, fill in the Title in Document Properties before saving as PDF.  
[WCAG 2.2 A F25 Section 508 \(2017\) A F25](#) Matterhorn 1.02 06-004  
[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 1
- Figures and images in PDF documents should have non blank ALT text, except for decorative images which should be marked as artifacts.  
Each image should have an ALT attribute describing the picture, which screen readers can read aloud. See PDF Techniques for WCAG: Text Alternatives.  
[WCAG 2.2 A F65 Section 508 \(2017\) A F65](#) Matterhorn 1.02 13-004  
[https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM\\_final\\_report\\_BAME\\_final\\_submission.pdf](https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM_final_report_BAME_final_submission.pdf) line 0  
[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 0  
<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 0
- Indicating links using only a text color change does not work for color-blind users.  
Remove the `text-decoration:none` property from your link styles, or add other style attributes in addition to color changes to make links visible to people without color vision. If the non-color cue only happens when the mouse hovers over the link or when the link receives focus, it is still a failure.  
[WCAG 2.2 A F73 Section 508 \(2017\) A F73](#)  
<https://analyse.kmi.open.ac.uk/> line 544 555 555 563 563 ...  
[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 763 781 792 794 ...
- Invalid value for ARIA role.  
[ARIA 1.2 5.3](#)

role=navigation <https://analyse.kmi.open.ac.uk/cookies> line 41

role=navigation [https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 40

role=navigation [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 40

role=navigation [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 41

role=navigation <https://analyse.kmi.open.ac.uk/testimonials> line 42

- PDF does not contain XMP metadata stream.

XMP metadata contains information needed by screen readers like the document title. Select the 'Tagged PDF' option when exporting from Office.

Matterhorn 1.02 06-001

[https://analyse.kmi.open.ac.uk/resources/documents/eSTEE\\_M\\_final\\_report\\_BAME\\_final\\_submission.pdf](https://analyse.kmi.open.ac.uk/resources/documents/eSTEE_M_final_report_BAME_final_submission.pdf) line 1

[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 1

<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 1

- PDFs must be tagged to be accessible by screen readers.

Enable the 'Document structure tags' option in Word, or the 'Tagged PDF' option in OpenOffice when exporting, or use the 'Make Accessible' plug-in for Adobe Acrobat.

[WCAG 2.2 A 1.3.1 Section 508 \(2017\) A 1.3.1](#) Matterhorn 1.02 01-005

[https://analyse.kmi.open.ac.uk/resources/documents/eSTEE\\_M\\_final\\_report\\_BAME\\_final\\_submission.pdf](https://analyse.kmi.open.ac.uk/resources/documents/eSTEE_M_final_report_BAME_final_submission.pdf) line 1

[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 1

<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 1

- Some pages have the same `title`, so the title cannot be used to distinguish pages.

Change the `title` elements so they are unique for each page.

[WCAG 2.2 A F25 Section 508 \(2017\) A F25](#)

'OU Analyse | Knowledge Media Institute | The Open University' is used on

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) and

<https://analyse.kmi.open.ac.uk/cookies> line 14

- The metadata stream in the `Catalog` dictionary does not include the PDF/UA identifier.

The PDF/UA identifier attests that the PDF is ISO 14289 (PDF/UA) compliant and has passed all manual and automated tests in the Matterhorn Protocol. It should be added

as the final remediation step, after manual testing is complete, to say the document has been tested and is conformant.

Matterhorn 1.02 06-002

[https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM\\_final\\_report\\_BAME\\_final\\_submission.pdf](https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM_final_report_BAME_final_submission.pdf) line 1

[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 1

<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 1

- Use semantic markup like `strong` instead of using the CSS `font-weight` property.

Use the `strong` element instead of the `span` element for bold text.

[WCAG 2.2 A F2 Section 508 \(2017\) A F2](#)

<https://analyse.kmi.open.ac.uk/> line 98 302 528

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 127 422 729

- Use the `lang` attribute to identify the language of the page.

In HTML add a `lang` attribute containing a language code to the `html` tag, and in PDF set the language using Document Properties in Acrobat. This allows screen readers to pronounce words correctly.

[WCAG 2.2 A 3.1.1 Section 508 \(2017\) A 3.1.1](#) Matterhorn 1.02 11-001

[https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM\\_final\\_report\\_BAME\\_final\\_submission.pdf](https://analyse.kmi.open.ac.uk/resources/documents/eSTeEM_final_report_BAME_final_submission.pdf) line 1

[https://analyse.kmi.open.ac.uk/resources/documents/letter\\_of\\_recognition.pdf](https://analyse.kmi.open.ac.uk/resources/documents/letter_of_recognition.pdf) line 1

<https://analyse.kmi.open.ac.uk/resources/documents/mashupExample.pdf> line 1

## Level AA

3 issues on 6 pages

- Do not use the `meta viewport` tag to disable zoom.

Setting `user-scalable=no` or `maximum-scale` to less than 2.0 prevents zooming small text to make it readable. Note that iOS 10+ ignores this setting.

[WCAG 2.2 AA 1.4.4 Section 508 \(2017\) AA 1.4.4](#)

<https://analyse.kmi.open.ac.uk/> line 6

<https://analyse.kmi.open.ac.uk/cookies> line 15

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 14

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 14

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 15

<https://analyse.kmi.open.ac.uk/testimonials> line 16

- Element `lang` attribute contains an invalid language.

A BCP 47 `lang` attribute consists of hyphen-separated subtags. The first subtag identifies a natural language by its ISO 639 language code (e.g. `en` for English) and may be followed by additional subtags. The most common additional subtag is a two-letter ISO 3166 country code (e.g. `US` for the United States to form `en-US`). IANA maintains a registry of allowed subtags. A empty `lang` attribute is allowed (and means unknown language) but a `lang` containing only spaces is not allowed and causes a random language to be selected in a screen reader.

[WCAG 2.2 AA 3.1.2 Section 508 \(2017\) AA 3.1.2](#)

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 1083

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 350

- Provide two or more ways to reach each page: via links, search, a site map or table of contents.

You should provide a link labeled 'Site Map' or 'Sitemap' or the equivalent in your language, or a search option on every page, or links to all pages from the home page.

[WCAG 2.2 AA 2.4.5 Section 508 \(2017\) AA 2.4.5](#)

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 1

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 1

## Level AAA

5 issues on 6 pages

- Avoid specifying a new window as the target of a link with `target=_blank`.

Displaying new windows without warning can be very confusing to non-sighted and mobile users. Some screen readers and mobile devices give very little indication a new tab or window has opened. If you cannot avoid displaying a new window, insert an "opens in a new window" warning into the link text or add the warning to the link using a `title` attribute or `aria-describedby` attribute.

[WCAG 2.2 AAA F22](#)

<https://analyse.kmi.open.ac.uk/> line 304 310 319 736 ...

<https://analyse.kmi.open.ac.uk/cookies> line 140 143 146 155 ...

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 355

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 424 432 445 829 ...

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 276

<https://analyse.kmi.open.ac.uk/testimonials> line 212

- Clickable targets must be at least 44 by 44 CSS pixels.

[WCAG 2.2 2.5.5](#)

405 x 34 304 x 34 <https://analyse.kmi.open.ac.uk/testimonials> line 175 177

- Ensure that text and background colors have a 7:1 contrast ratio.

- The contrast ratio should be 4.5 or more for 18 point text, or larger
- The contrast ratio should be 4.5 or more for 14 point bold text, or larger
- The contrast ratio should be 7.0 or more for all other text

[WCAG 2.2 AAA 1.4.6](#)

The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(51,122,183) font-size: 9pt font-weight: 700 with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 25.50pt font-weight: 400 with color: rgb(255,255,255) background: rgb(51,122,183) font-size: 9pt font-weight: 700 with color: rgb(37,122,126) background: rgb(229,246,255) font-size: 12pt font-weight: 600 with color: rgb(37,122,126) background: rgb(229,246,255) font-size: 12pt font-weight: 600

<https://analyse.kmi.open.ac.uk/> line 98 137 302 358 454 ...

The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(56,116,172) font-size: 9.75pt font-weight: 400 <https://analyse.kmi.open.ac.uk/cookies> line 55

The text color to background color contrast ratio after composition is: with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 24pt font-weight: 500 with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 24pt font-weight: 500 with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 21pt font-weight: 500 with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 21pt font-weight: 500 with color: rgb(255,255,255) background: rgb(56,116,172) font-size: 12pt font-weight: 400

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 119 260 263 264 316 ...

The text color to background color contrast ratio after composition is: with color: rgb(24,24,24) background: rgb(56,116,172) font-size: 25.50pt font-weight: 400 with color: rgb(255,255,255) background: rgb(51,122,183) font-size: 9pt font-weight: 700 with color:



rgb(255,255,255) background: rgb(51,122,183) font-size: 9pt font-weight: 700 with color: rgb(37,122,126) background: rgb(229,246,255) font-size: 12pt font-weight: 600 with color: rgb(37,122,126) background: rgb(229,246,255) font-size: 12pt font-weight: 600 [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 127 422 472 476 ...

The text color to background color contrast ratio after composition is: with color: rgb(37,122,126) background: rgb(229,246,255) font-size: 12pt font-weight: 600 with color: rgb(37,88,133) background: rgb(204,204,204) font-size: 12pt font-weight: 400 with color: rgb(255,255,255) background: rgb(56,116,172) font-size: 9.75pt font-weight: 400 with color: rgb(35,82,124) background: rgb(204,204,204) font-size: 11.25pt font-weight: 400 [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 51 163 252

The text color to background color contrast ratio after composition is: with color: rgb(255,255,255) background: rgb(56,116,172) font-size: 9.75pt font-weight: 400 <https://analyse.kmi.open.ac.uk/testimonials> line 53

- Many people with cognitive disabilities (including dyslexia) find text styled with `text-align: justify` hard to read.

Justified text aligned to both the left and the right margins creates rivers of white running down the page due to extra word spacing. This makes justified text difficult to read for some people. The best way to avoid the problem is avoid justified text.

[WCAG 2.2 AAA F88](#)

<https://analyse.kmi.open.ac.uk/> line 97

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 108

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 126

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 107 131 139

- Several links on a page share the same link text, but go to different destinations.

Make the link text unique for each target, or add additional text using `aria-label`.

[WCAG 2.2 AAA 2.4.9](#)

Link text: The Open University's Privacy Notice The Open University's Privacy Notice <https://analyse.kmi.open.ac.uk/cookies> line 102

## Informative

These messages are for information only and do not indicate errors or conformance problems.

○ **a** element placeholder link with no event handler or **href** attribute doesn't work in some screen readers.

- VoiceOver macOS 13.6 with Safari 16.6 on macOS 13.6.0 when Reading: Announced as clickable, but no event handler so nothing happens when clicked
- VoiceOver macOS 12.5 with Safari 15.6 on macOS 12.5.1 when Reading: Announced as clickable, but no event handler so nothing happens when clicked
- VoiceOver macOS 11.5 with Safari 15.0 on macOS 11.5.2 when Reading: Announced as clickable, but no event handler so nothing happens when clicked
- VoiceOver macOS 10.15 with Safari 14.1 on macOS 10.15.7 when Reading: Announced as clickable, but no event handler so nothing happens when clicked

VoiceOver macOS 13.6 VoiceOver macOS 12.5 VoiceOver macOS 11.5 VoiceOver macOS 10.15

<https://analyse.kmi.open.ac.uk/> line 111 695 695

<https://analyse.kmi.open.ac.uk/cookies> line 267 268

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 302 303

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 146 963 964

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 229 230

<https://analyse.kmi.open.ac.uk/testimonials> line 194 195

## Compatibility

This section shows pages that exhibit browser-specific behavior, or trigger browser bugs.

### Priority 3

1 issues on 1 pages

- 🟡 CSS flow relative `border-block-` and `border-inline-` properties are not supported by all browsers.

Use traditional border properties, in addition to flow relative borders, as a fallback for older browsers.

[Safari iPhone/iPad](#)

<https://analyse.kmi.open.ac.uk/resources/css/bootstrap/bootstrap.css> line 2214 2237

## Search

This section shows search engine guideline violations, and pages that don't comply with search optimization best practices.

### Priority 1

3 issues on 5 pages

- Google recommends separating keywords in URLs by dashes instead of underscores.

Dashes perform better than underscores in Google as keyword separators, and underscores perform better than no separators.

[Google](#)

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 1

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 1

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 1

- Offer an HTML site map to your users with links that point to the important parts of your site. Links embedded in menus, list boxes, and similar elements are not accessible to web crawlers unless they appear in your site map. If the site map is larger than 100 or so links, you may want to break the site map into separate pages.

[Google Bing](#)

<https://analyse.kmi.open.ac.uk/> line 1

- This page has more than one `h1` element, which violates Bing webmaster guidelines. Leave the title of the main content as `h1` and change other `h1` elements to a lower heading level.

[Bing](#)

<https://analyse.kmi.open.ac.uk/cookies> line 97

### Priority 2

1 issues on 3 pages

- This page title is not unique. Assign unique, descriptive `title` elements to every page.

[Google Bing](#)

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) <https://analyse.kmi.open.ac.uk/cookies> line 14

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 14

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) <https://analyse.kmi.open.ac.uk/testimonials> line 15

## Priority 3

1 issues on 1 pages

- Using `rel=nofollow` on internal links dilutes PageRank flow through your site.  
PageRank is distributed between all outgoing links on a page (including the nofollow links), so PageRank flowing to internal nofollow links vanishes.  
[Google](#)  
<https://analyse.kmi.open.ac.uk/cookies> line 119

## Informative

These messages are for information only and do not indicate errors or conformance problems.

- No search keywords are set in SortSite, so no keyword optimization rules have been run.  
If you want to check keyword optimization, set the keywords using the Scan Options command.  
Best Practice  
<https://analyse.kmi.open.ac.uk/> line 1

## Standards

This section shows pages that do not comply with W3C standards.

### Priority 1

11 issues on 7 pages

- Attribute `margin` not allowed on element.

[HTML5](#)

<https://analyse.kmi.open.ac.uk/> line 873 884

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 873 884

- Bad value for attribute `id`.

[HTML5](#)

An ID must not contain whitespace. `id=nav-item nav-item-mobile-home id=`  
<https://analyse.kmi.open.ac.uk/cookies> line 86 167

An ID must not be the empty string. `id=` <https://analyse.kmi.open.ac.uk/testimonials>  
line 103

- Bad value for attribute `lang`.

A BCP 47 `lang` attribute consists of hyphen-separated subtags. The first subtag identifies a natural language by its ISO 639 language code (e.g. `en` for English) and may be followed by additional subtags. The most common additional subtag is a two-letter ISO 3166 country code (e.g. `GB` for the United Kingdom to form `en-GB`). IANA maintains a registry of allowed subtags. A empty `lang` attribute is allowed (and means unknown language) but a `lang` containing only spaces is not allowed and causes a random language to be selected in a screen reader.

[HTML5](#)

The language subtag 'javascript' is not a valid IANA language part of a language tag.  
`lang=javascript` <https://analyse.kmi.open.ac.uk/> line 1083

The language subtag 'javascript' is not a valid IANA language part of a language tag.  
`lang=javascript` [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 1083

The language subtag 'javascript' is not a valid IANA language part of a language tag.  
`lang=javascript` [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 350

● Bad value for attribute `role` .

The `role` attribute changes how screen readers voice content. Invalid values can result in content being misread.

[HTML5](#)

This ARIA role is not allowed on this element. `role=navigation`  
<https://analyse.kmi.open.ac.uk/> line 40

This ARIA role is not allowed on this element. `role=navigation`  
<https://analyse.kmi.open.ac.uk/cookies> line 41

This ARIA role is not allowed on this element. `role=navigation`  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 40

This ARIA role is not allowed on this element. `role=navigation`  
[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 40

This ARIA role is not allowed on this element. `role=navigation`  
[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 41

This ARIA role is not allowed on this element. `role=navigation`  
<https://analyse.kmi.open.ac.uk/testimonials> line 42

● Bad value for attribute `type` .

Syntax of MIME type: A media-type as defined in RFC 2616; that is, typically, a required type, followed by a `/` character, followed by a required subtype, optionally followed by one or more instances of a `;` character followed by a parameter. Examples: `text/css` , `text/css; charset=utf-8` .

[HTML5](#)

Expected a token character or '/' but saw `type=button` `type=button`  
<https://analyse.kmi.open.ac.uk/> line 963 964

Expected a token character or '/' but saw `type=button` `type=button`  
<https://analyse.kmi.open.ac.uk/cookies> line 267 268

Expected a token character or '/' but saw `type=button` `type=button`  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 302 303

Expected a token character or '/' but saw `type=button` `type=button`  
[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 963 964

Expected a token character or '/' but saw `type=button` `type=button`  
[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 229 230

Expected a token character or '/' but saw `type=button` `type=button`  
<https://analyse.kmi.open.ac.uk/testimonials> line 194 195

- Duplicate `id` - the same ID is used on more than one element.

#### HTML5

`id=dashboard-nav id=dashboard-nav id=team-nav id=team-nav`  
`id=publications-nav https://analyse.kmi.open.ac.uk/ line 47 48 49 84 85 ...`

`id=about-nav id=about-nav id=data-nav id=data-nav`  
`id=testimonials-nav https://analyse.kmi.open.ac.uk/open\_dataset line 48 49 50`  
 85 86 ...

`id=dashboard-nav id=dashboard-nav id=team-nav id=team-nav`  
`id=publications-nav https://analyse.kmi.open.ac.uk/project\_info line 47 48 49 84`  
 85 ...

`id=about-nav id=about-nav id=testimonials-nav id=testimonials-nav`  
`id=contact-nav https://analyse.kmi.open.ac.uk/related\_research line 51 52 53 84 85`  
 ...

`id=blogs-nav id=blogs-nav id=workshops-nav id=workshops-nav`  
`id=papers-nav https://analyse.kmi.open.ac.uk/testimonials line 53 54 55 87 88 ...`

- Element `a` is missing one or more required attributes.

#### HTML5

Missing `href href https://analyse.kmi.open.ac.uk/ line 963 964`

Missing `href href https://analyse.kmi.open.ac.uk/cookies line 267 268`

Missing `href href https://analyse.kmi.open.ac.uk/open\_dataset line 302 303`

Missing `href href https://analyse.kmi.open.ac.uk/project\_info line 963 964`

Missing `href href https://analyse.kmi.open.ac.uk/related\_research line 229 230`

Missing `href href https://analyse.kmi.open.ac.uk/testimonials line 194 195`

- Invalid value for CSS property.

CSS Validation

`cursor: hand https://analyse.kmi.open.ac.uk/resources/css/style.css line 412`

- Stray end tag `header` .

#### HTML5

`https://analyse.kmi.open.ac.uk/related\_research line 96`



- The element `footer` must not appear as a descendant of the `footer` element.

[HTML5](#)

<https://analyse.kmi.open.ac.uk/cookies> line 280

- The element `footer` must not appear as a descendant of the `footer` element.

[HTML5](#)

<https://analyse.kmi.open.ac.uk/cookies> line 280

## Priority 2

3 issues on 6 pages

- Section lacks heading.

Consider using `h2` - `h6` elements to add identifying headings to all sections, or else use a `div` element instead for any cases where no heading is needed.

[HTML5](#)

<https://analyse.kmi.open.ac.uk/> line 49

<https://analyse.kmi.open.ac.uk/cookies> line 70

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 74

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 74

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 71

<https://analyse.kmi.open.ac.uk/testimonials> line 73

- The `document` role is unnecessary for element `body`.

[HTML5](#)

<https://analyse.kmi.open.ac.uk/> line 16

<https://analyse.kmi.open.ac.uk/cookies> line 40

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 39

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 39

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 40

<https://analyse.kmi.open.ac.uk/testimonials> line 41

- 🔔 The `language` attribute on the `script` element is obsolete. You can safely omit it.

#### [HTML5](#)

<https://analyse.kmi.open.ac.uk/> line 742

<https://analyse.kmi.open.ac.uk/cookies> line 293 360

[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 363 433

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 1018

[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 284

<https://analyse.kmi.open.ac.uk/testimonials> line 220

## Informative

These messages are for information only and do not indicate errors or conformance problems.

- CSS hack or vendor extension used.

#### CSS Validation

```
filter: progid:DXImageTransform.Microsoft.BasicImage(rotation=1)
filter: progid:DXImageTransform.Microsoft.BasicImage(rotation=2)
filter: progid:DXImageTransform.Microsoft.BasicImage(rotation=3)
filter: progid:DXImageTransform.Microsoft.BasicImage(rotation=0,
mirror=1) filter:
progid:DXImageTransform.Microsoft.BasicImage(rotation=2,
mirror=1) https://analyse.kmi.open.ac.uk/resources/css/font-awesome-4.2.0/css/font-awesome.min.css line 28 29 30 31 32
```

- Property or at-rule is vendor specific.

Properties and at-rules prefixed by a dash or underscore, the `zoom` property and the `expression()` function are vendor specific and only work on one browser engine.

#### CSS Validation

```
-webkit-text-size-adjust -webkit-tap-highlight-color -webkit-
text-decoration -webkit-text-decoration-skip-ink -webkit-
appearance https://analyse.kmi.open.ac.uk/resources/css/bootstrap/bootstrap.css
line 55 56 129 132 346 ...
```

```
-webkit-font-smoothing -moz-osx-font-smoothing -webkit-animation
@-webkit-keyframes -webkit-transform
https://analyse.kmi.open.ac.uk/resources/css/font-awesome-4.2.0/css/font-
awesome.min.css line 5 21 22 25 ...
```

```
-webkit-border-radius -moz-border-radius -ms-border-radius -  
webkit-transition -moz-transition  
https://analyse.kmi.open.ac.uk/resources/css/style.css line 239 240 241 243 244 ...
```

# Usability

This section shows general usability issues, indicating navigation problems for all users.

## Priority 2

4 issues on 6 pages

- Avoid underlined text - people will click on it and think it's a broken link.  
Use something other than underlining for highlighting text, because it looks like a link, and users become frustrated when the "link" does not work.  
[Usability.gov 10:4](#)  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 134
- Omitting `img width` or `height` attributes makes the page layout jump about as images load.  
This makes the page very hard to read or click while it's loading. Fix by adding width and height attributes to the `img` tag matching the image dimensions. In responsive layouts, specifying `width` and `height` prevents layout jumping because the browser can pre-calculate the final image size when CSS like this is used: `img { max-width: 100%; height: auto }`  
[Usability.gov 14:3 W3C](#)  
<https://analyse.kmi.open.ac.uk/> line 86 231 242 719 ...  
<https://analyse.kmi.open.ac.uk/cookies> line 45  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 44 75  
[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 119 758 775 893 ...  
[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 45 72 116 258  
<https://analyse.kmi.open.ac.uk/testimonials> line 46
- Provide a search option on each page of content-rich web sites.  
A search option should be provided on all pages where it may be useful - users should not have to return to the homepage to conduct a search. Search engines can be helpful on content-rich web sites, but do not add value on other types of sites.  
[Usability.gov 17:4](#)  
[https://analyse.kmi.open.ac.uk/open\\_dataset](https://analyse.kmi.open.ac.uk/open_dataset) line 1  
[https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 1

- 🔔 This page title is not unique. Each page should have a descriptive and meaningfully different title.

Title refers to the text displayed on browser tabs, favorites, and in search engines results pages. If two or more pages have the same title, they cannot be differentiated by users or the Favorites capability of the browser.

[Usability.gov 9:2](#)

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) <https://analyse.kmi.open.ac.uk/cookies> line 14

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) [https://analyse.kmi.open.ac.uk/related\\_research](https://analyse.kmi.open.ac.uk/related_research) line 14

'OU Analyse | Knowledge Media Institute | The Open University' is also used on [https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) <https://analyse.kmi.open.ac.uk/testimonials> line 15

### Priority 3

2 issues on 4 pages

- 🔔 Use at least a 12-point font on all web pages.

- `<p style="font-size: 11pt;" >`
- `<p style="font-size: 15px;" >`
- `<p style="font-size: small;" >`
- `<font size="2" >`
- `<font size="-1" >`

[Usability.gov 11:8](#)

<https://analyse.kmi.open.ac.uk/resources/css/style.css> line 285 509 800

- 🔔 Use link text between 3 and 100 characters so it's long enough to be understood, but avoids line wrapping.

A single word text link may not give enough information about the link's destination. A link that is a full sentence is difficult to read quickly, particularly if it wraps to another line.

[Usability.gov 10:11](#)

<https://analyse.kmi.open.ac.uk/> line 337 364 388 445 ...

[https://analyse.kmi.open.ac.uk/project\\_info](https://analyse.kmi.open.ac.uk/project_info) line 472 503 511 515 530 ...

<https://analyse.kmi.open.ac.uk/testimonials> line 110

## Priority 4

1 issues on 1 pages

- 🕒 Use site maps for web sites that have many pages.

Site maps provide an overview of the Web site. They may display the hierarchy of the Web site, may be designed to resemble a traditional table of contents, or may be a simple index.

[Usability.gov 7:10](#)

<https://analyse.kmi.open.ac.uk/> line 1