

The Repository Manager's
Guide to
Making Wonderful
Things Accessible

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~~Weird~~ Wonderful

- Wilson, Michael; Liguori, Antonia; Kraus, Sharron (2021). From Personal to Collective. Loughborough University. Media.
<https://hdl.handle.net/2134/13603073.v1>

One slide about numbers

- 1 in 6 people international experience
“significant disability” (WHO, 2023)
- 0.6% of UK academics have reported having a
disability (HESA, 2022)

Note on terminology

- The UK Government refers to four categories of disability:
 - Impaired vision,
 - Motor difficulties,
 - Cognitive impairments or learning disabilities, and
 - Deafness or impaired hearing.

Constraints

- Legal
 - Ethical
 - Financial
 - Disproportionate burden
-
- Solution:
 - Free
 - Not-cloud based
 - Easy

Audio/Video: subtitles

- Torrens, George; Clark, Nikki (2023). Starpack Hack, Webinar 30th January 2023. Loughborough University. Presentation. <https://doi.org/10.17028/rd.lboro.21981962.v2>

Audio: music visualisations

Boyer, Britta (2022). Sensory cartographies.

Loughborough University. Media.

<https://doi.org/10.17028/rd.lboro.21065992.v1>

Text

- Use a font size of 12,
- Change the background to something non-white,
- Avoid centre-aligning text,
- Check the contrast between the foreground and background by using Colour contrast checker, and
- As a bonus, use the font OpenDyslexic.

Text to audio

- Live demo

Tables

- Live demo

Future

- Automatically caption graphics, videos, 3D models
- Describe musical instruments
- Audio-source separation – something easy!
- Braille
- Sonification

Sonification example

- temple, mark (2020). The sound of coronavirus genome. figshare.

Media. <https://doi.org/10.6084/m9.figshare.12362015.v1>

Last word

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- Members of the Mercian Disability Forum
- Justin Yarbrough (<https://www.yarbrough.info/>), for his words of wisdom regarding tables and code

Disclaimer

- Solutions are not tested
- Based on intuition
- Feedback welcome!

Suggested readings

- Anderson, T., Colón, R. D., Goben, A., & Karcher, S. (2022). Curating for Accessibility. *International Journal of Digital Curation*, 17(1). <http://www.ijdc.net/article/view/837>
- Oxford, E., & Woodbrook, R. (2023). Accessibility Data Curation Primer. Data Curation Network. Retrieved from the University of Minnesota Digital Conservancy, <https://hdl.handle.net/11299/253392>.
- Walker, W., & Keenan, T. (2015). Going beyond availability: Truly accessible research data. *Journal of Librarianship and Scholarly Communication*, 3(2). <https://www.iastatedigitalpress.com/jlsc/article/id/12747/download/pdf/>

Suggested tools

- ChatGPT: <https://chat.openai.com/> (the answerer of dumb questions)
- Colour contrast checker: <https://colourcontrast.cc/>
- OpenDyslexic: <https://opendyslexic.org/>
- OpenOffice: <https://www.openoffice.org/>
- Panopreter: <https://www.panopreter.com/en/index.php>
- Read Text: <https://extensions.openoffice.org/en/project/read-text>
- SimpleView: <https://www.simpleindex.com/simpleview/>
- Subtitle Edit: <https://github.com/SubtitleEdit/subtitleedit/releases>
- VLC: <https://www.videolan.org/>

Q: Where can one access the
guide?

Q: Wouldn't it be first prize to create accessible content, rather than transform it?

Q: How would you ideally make a complex video accessible?