

Corruption & Distortion:

The Dark Side of Digitization

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The Idea

How we read directly affects our worldview (Darnton, 2009)...



Image Courtesy of theportugueseaterblog.blogspot.com

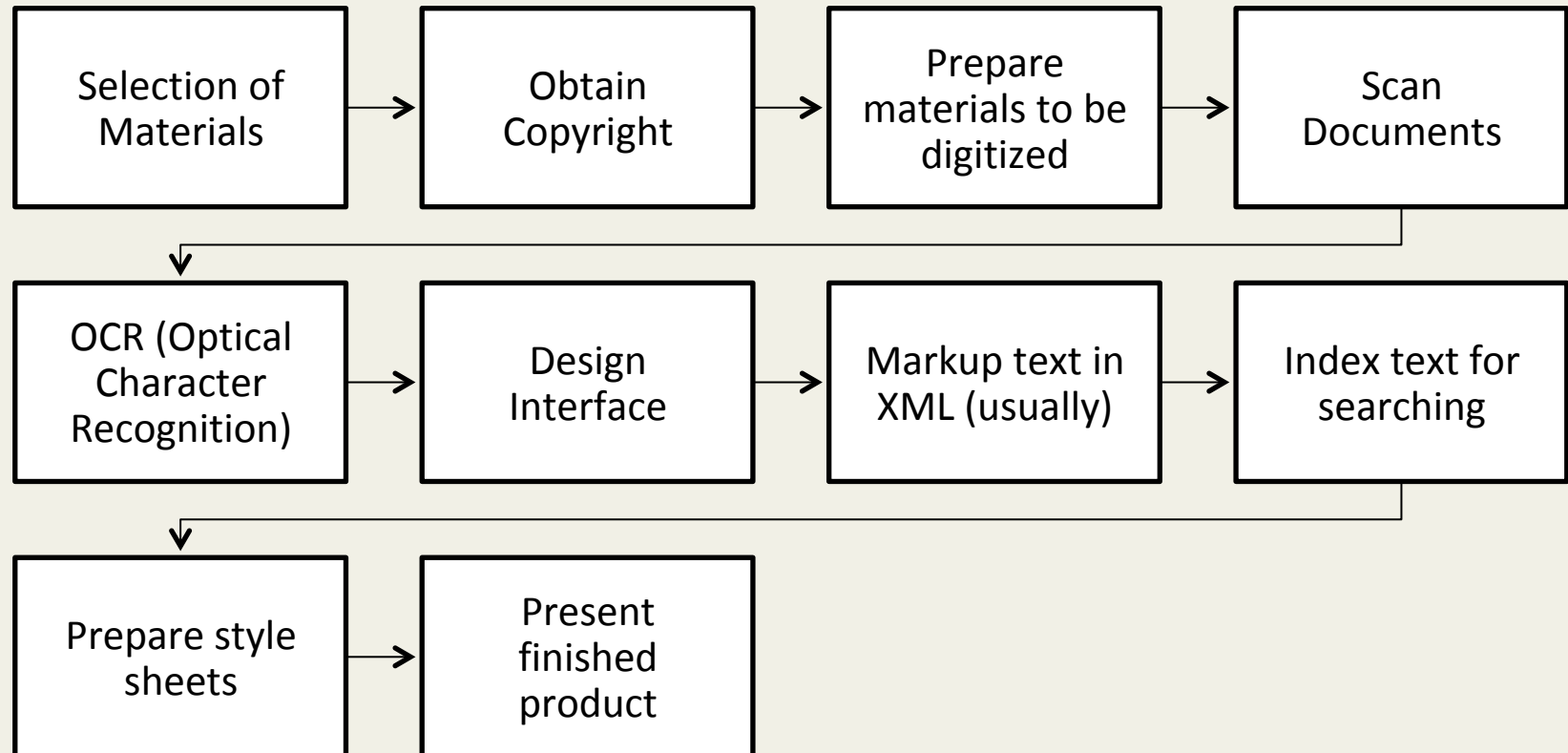
VS.



Image Courtesy of Rekindle.com

...So how does the digitization of library and archival materials affect a user's interaction with the information contained within?

The “Typical” Digitization Process



Distortion of Source Material

- Many institutions sacrifice color quality and resolution for file size.
 - Smaller bit-depth = Smaller file = Greater color distortion
- Even after the scanning, or photographing, process, libraries cannot guarantee optimal viewing conditions of the documents.
 - Monitor Size and Calibration to name but a few
- Finally, the technology itself can cause corruption of the data, as the former becomes out of date.

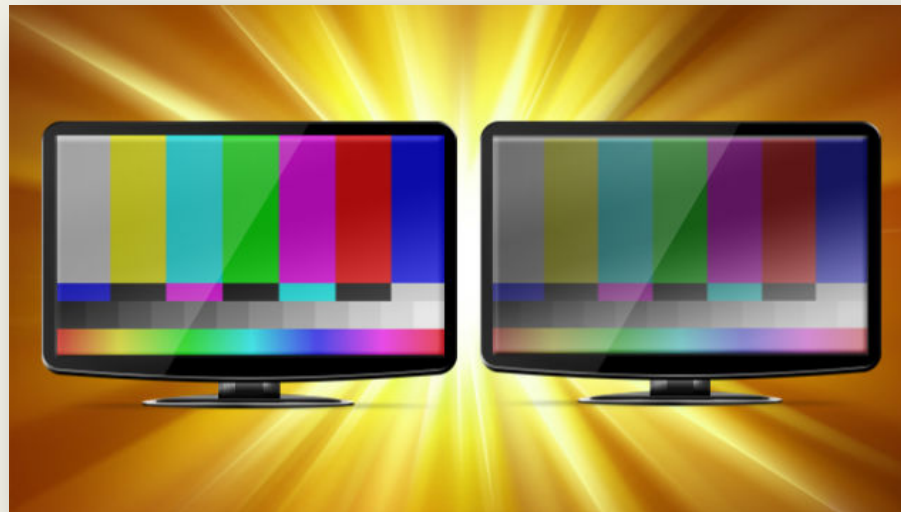


Image courtesy of

Corruption of User Experience

- Fair to assume that most digitized material is viewed remotely, as such the user's experience becomes mediated by the screen.
- Size distortion is yet another variable that is often overlooked.
- Proper monitor calibration is not often communicated to the user.
- Loss of context for user.

Possible Solutions

- Video tutorials for users to deal with color distortion.
- Disclaimers for users to make them aware of the alteration in their experience.
- Budgeting for the future migration and update of data.
 - The possibility of investing in emulators.
- More research to better identify the effect of digitization on users.

References

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