Making course content accessible

Problems

Institution

Instructor

Student

Institutional problems

No insight into how institution is doing

Hard to identify what to focus on

Lawsuits because of legal requirements

Instructor problems

Lack of awareness of what they should be doing

Lack of guidance on how to improve accessibility

Student problems

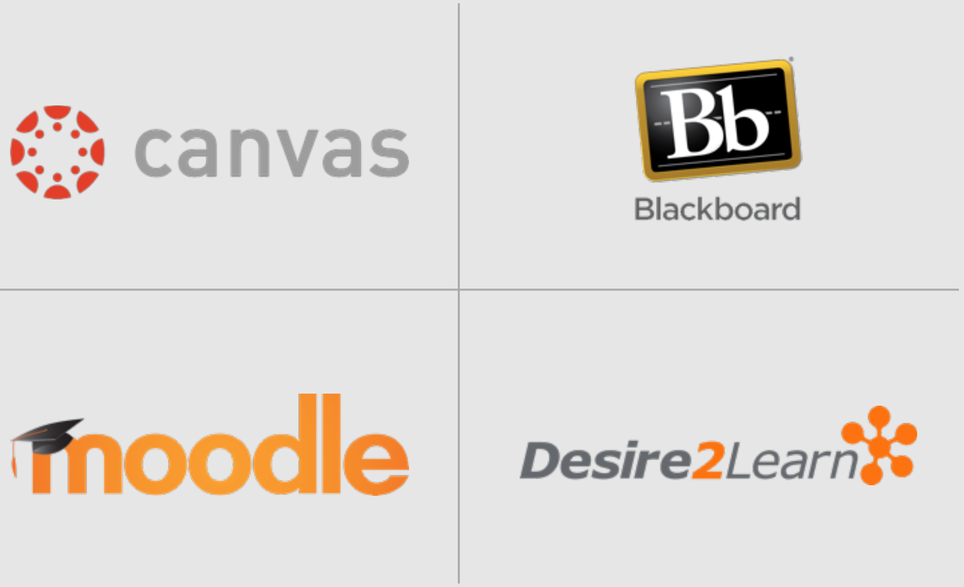
Explicit alternative format requests

Long delays on receiving requested alternative formats

Excludes students without recognized disabilities

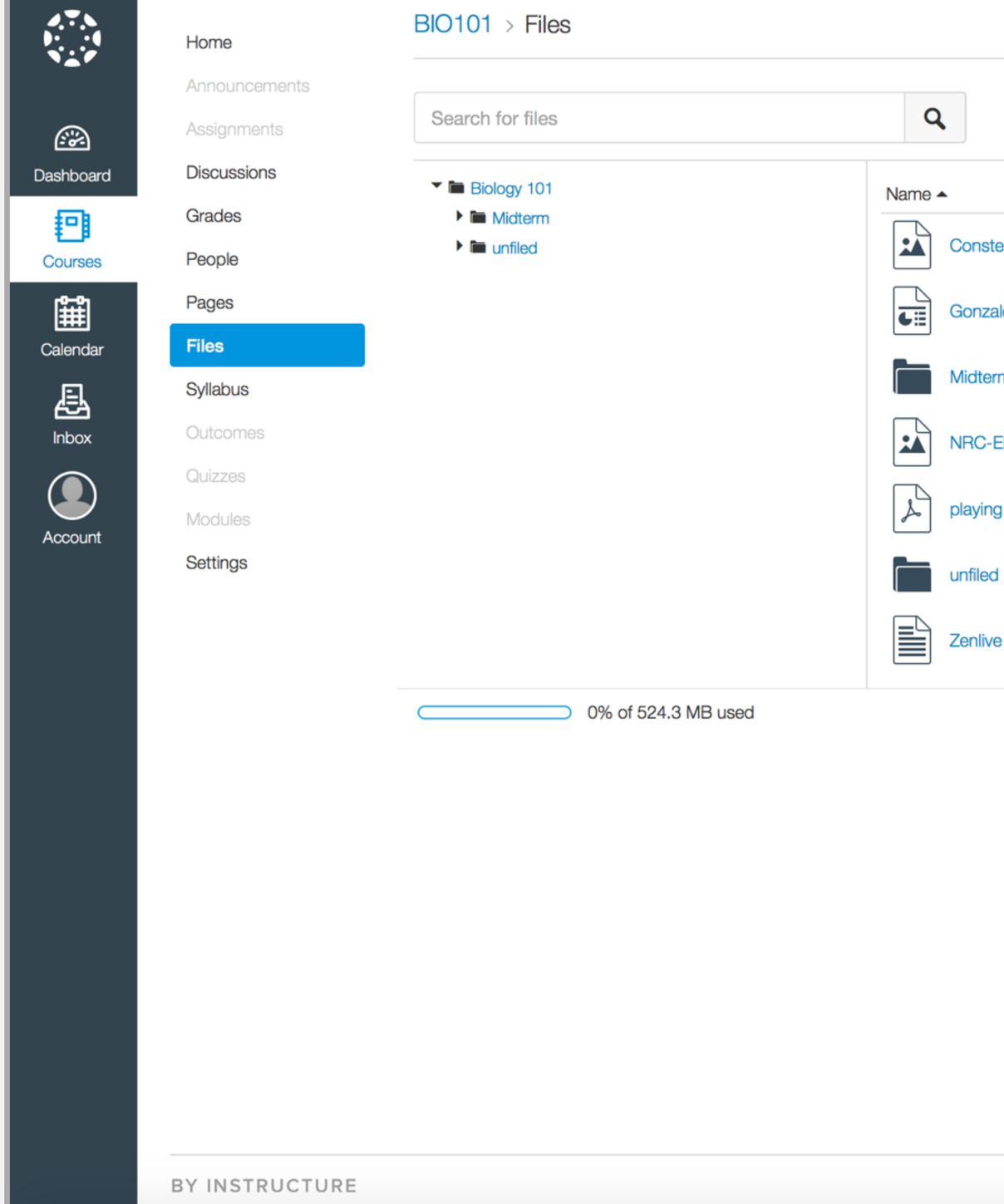
Learning Management System

- The Learning Management System is an important player in this
- Planning to provide integration with all major Learning Management Systems



Workflow

- Instructor adds course content to course site

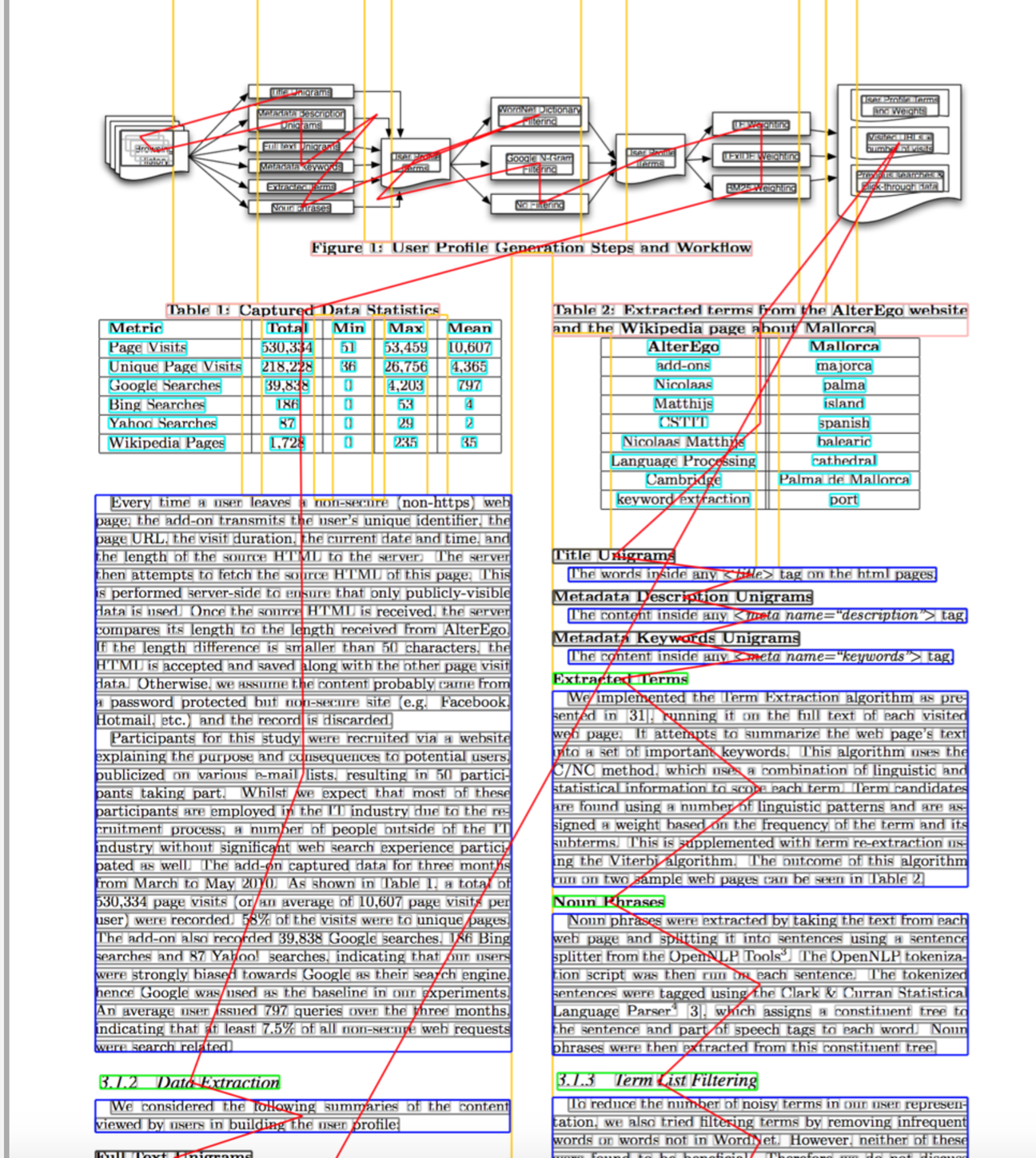


Automated accessibility checklist

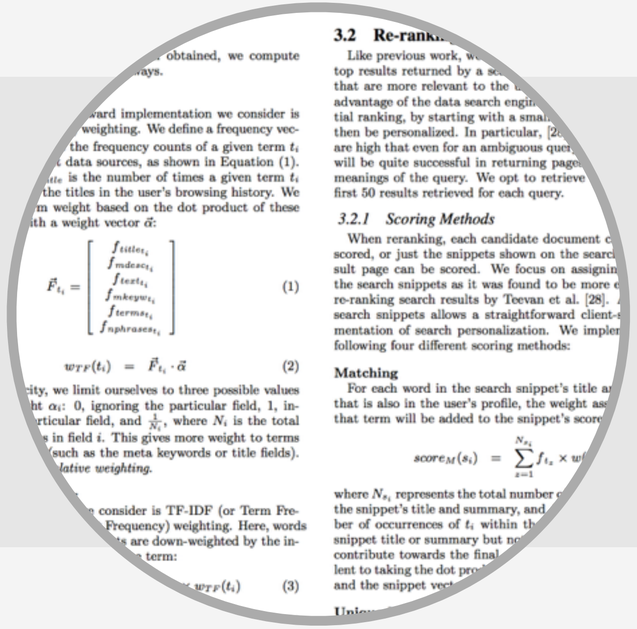
Automated accessibility checklist based on content type

Machine Learning Algorithms

- Full structural and visual analysis to learn semantics of document
- Identify headings, heading structure, paragraphs, footers, tables, lists, mathematical formulas, etc.



Alternative Accessible Formats

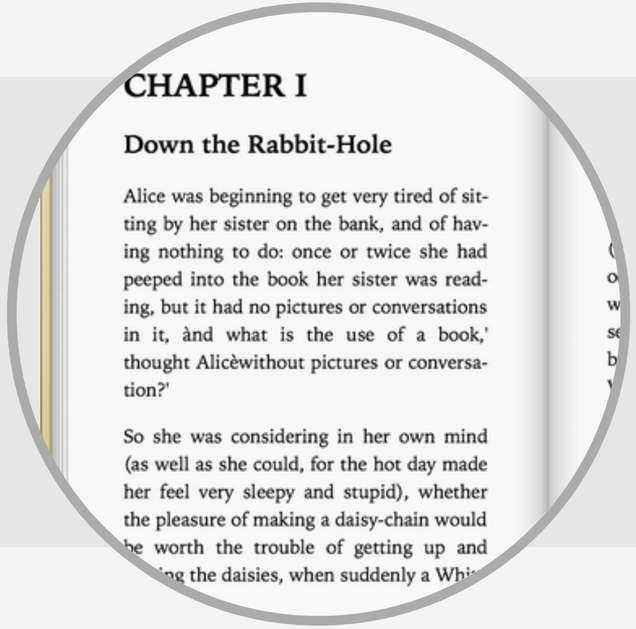


Enhance original

Automatically inject fixes into the original document

HTML

High quality semantic HTML version of the content

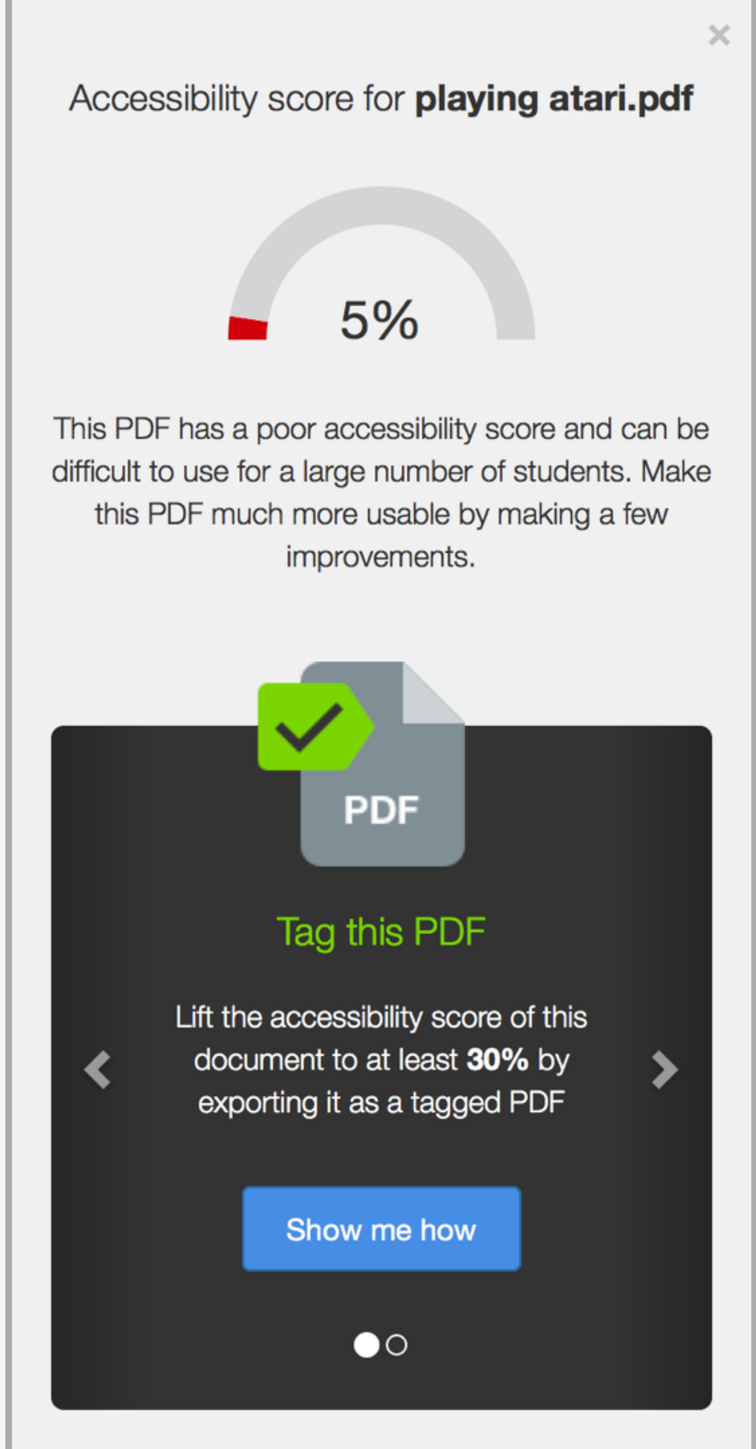


Other alternative formats

ePub, audio, electronic braille, etc.

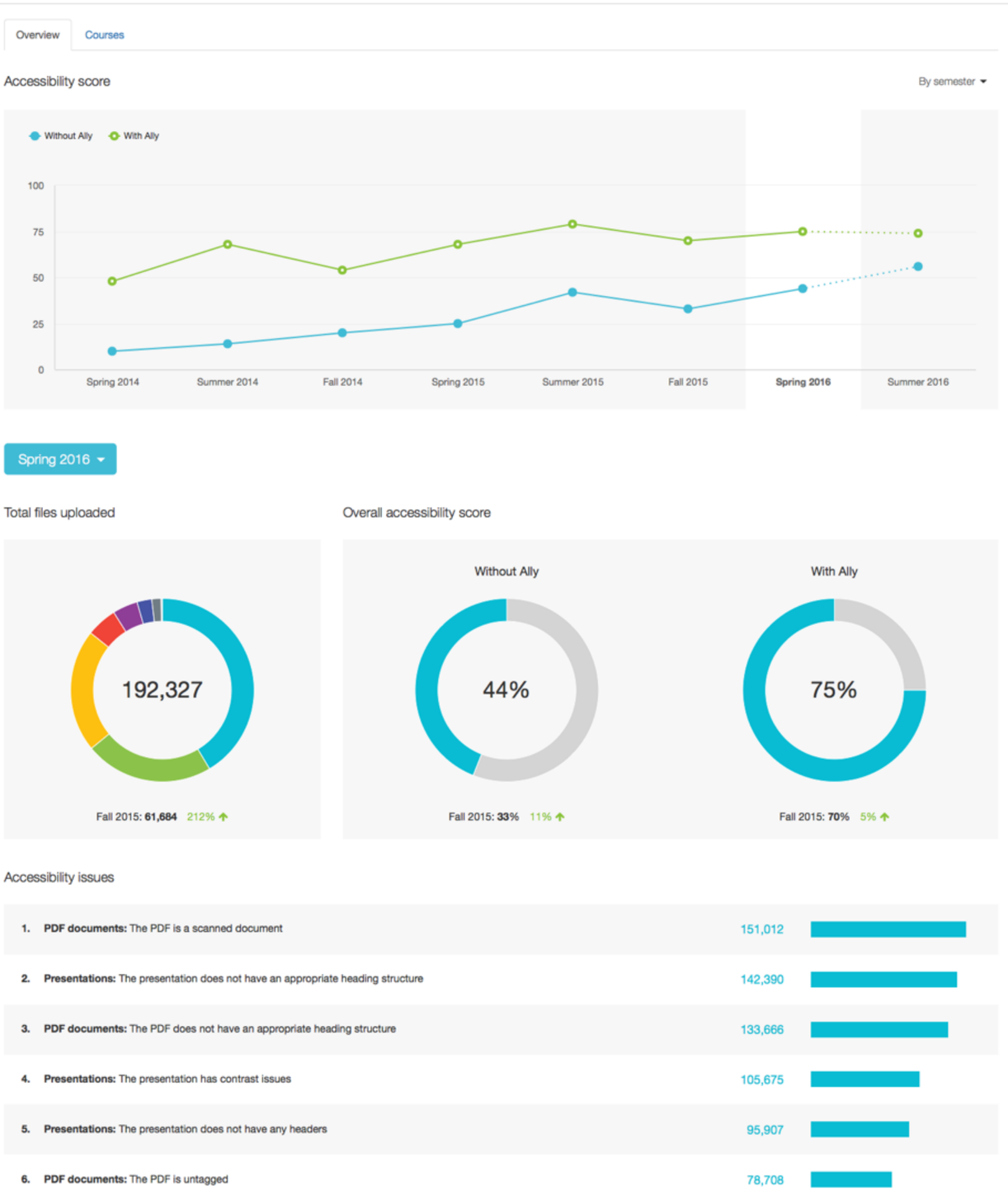
Instructor feedback

- Provide guidance to instructors on how they can improve accessibility of their content
- Aims to generate change in behavior over time

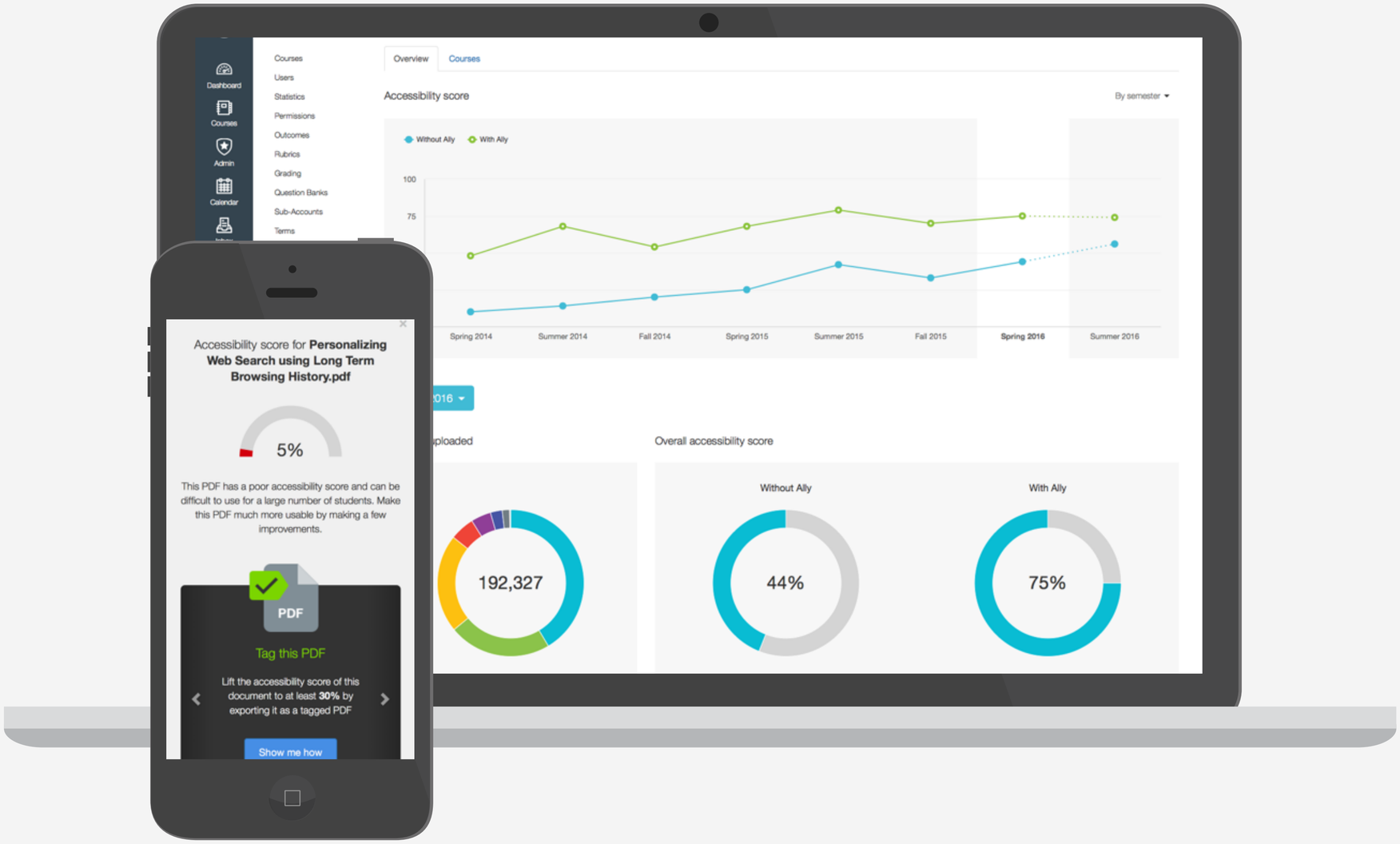


Institutional report

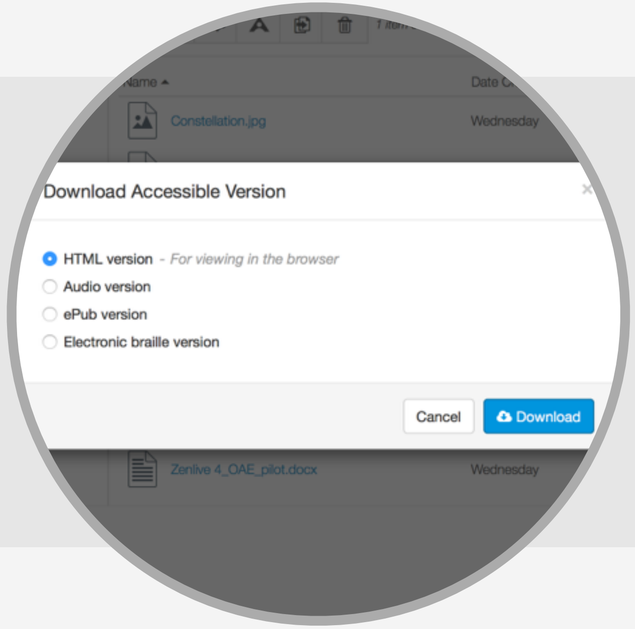
- Provide baseline to institution on how they're doing
- Helps identify where problem areas are, what to focus on, who to target, etc.

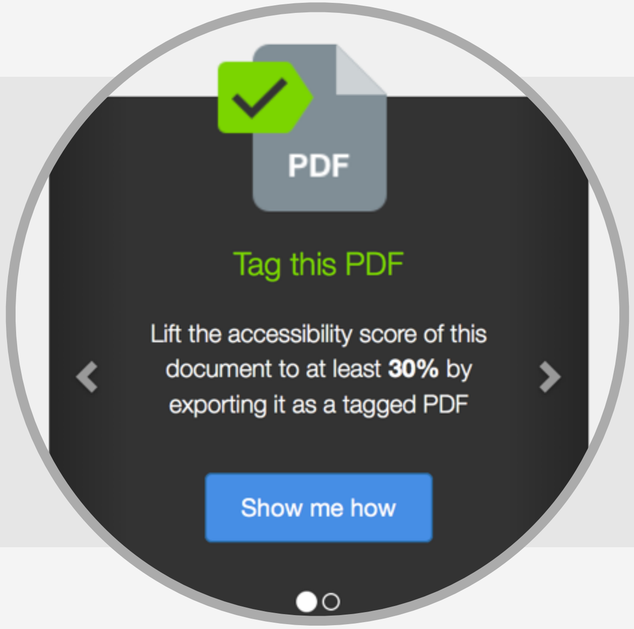


Demo


Dashboard
Courses
Admin
Calendar
Courses
Users
Statistics
Permissions
Outcomes
Rubrics
Grading
Question Banks
Sub-Accounts
Terms
Overview
Courses
Accessibility score
By semester
Without Ally
With Ally
100
75
Spring 2014
Summer 2014
Fall 2014
Spring 2015
Summer 2015
Fall 2015
Spring 2016
Summer 2016
Overall accessibility score
Without Ally
With Ally
192,327
44%
75%
Accessibility score for Personalizing Web Search using Long Term Browsing History.pdf
5%
This PDF has a poor accessibility score and can be difficult to use for a large number of students. Make this PDF much more usable by making a few improvements.
PDF
Tag this PDF
Lift the accessibility score of this document to at least 30% by exporting it as a tagged PDF
Show me how

Ally





Alternative accessible formats

Automatically check for accessibility issues and generate alternative accessible formats

Instructor feedback

Guide instructors on how to improve course content accessible and alter future behavior

Institutional report

Provides ammunition to further improve course content accessibility at the institution

Interested ?

We are looking for institutions to pilot Ally

We are looking for individuals to join the Ally evaluation panel

Nicolaas Matthijs

info@ally.ac