Resi

Resee Sida's results

Christoffer Klang, Mikael Zwahlen, Eric Kuan, Sharon Yeo

Messy Problem

Currently impossible to **quickly** show the
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100 000 files scattered
across openaid.se

Problem Focus

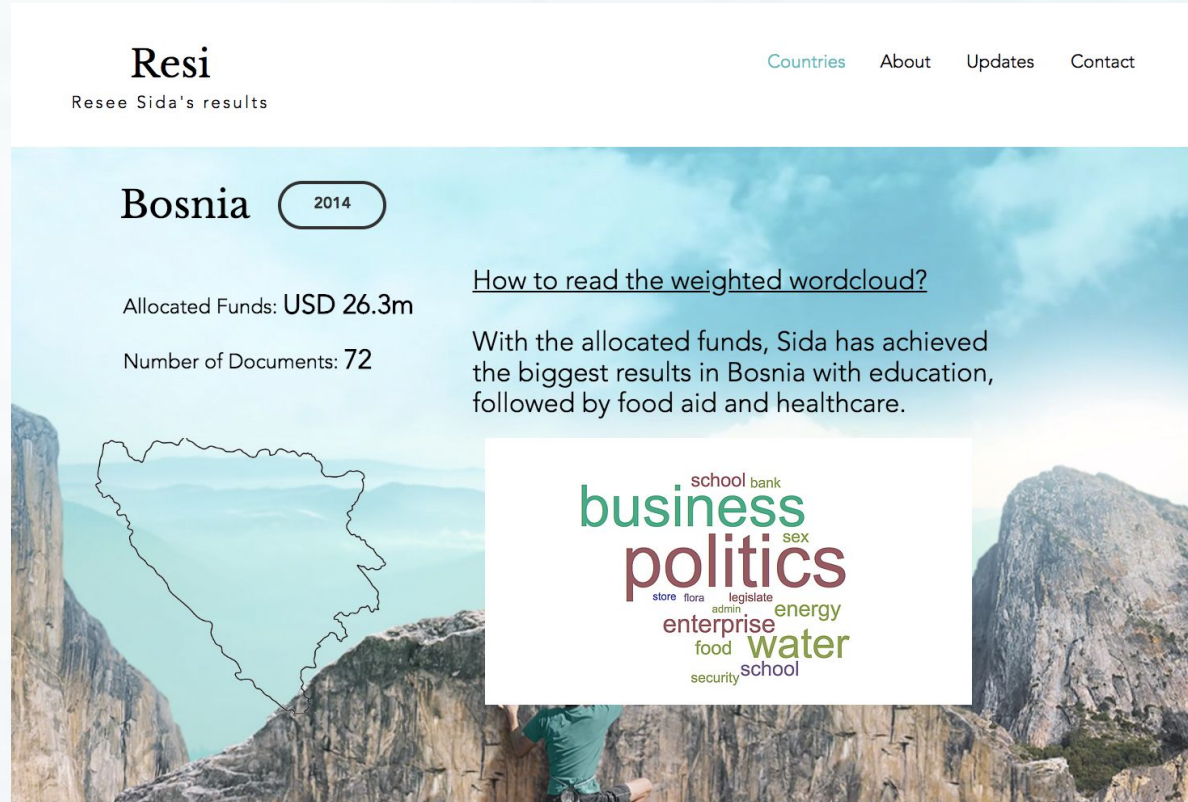How can we visually summarize *qualitative* results hidden in *pdf* files?

Problem Focus | How can we visually summarize *qualitative* results hidden in *pdf* files?
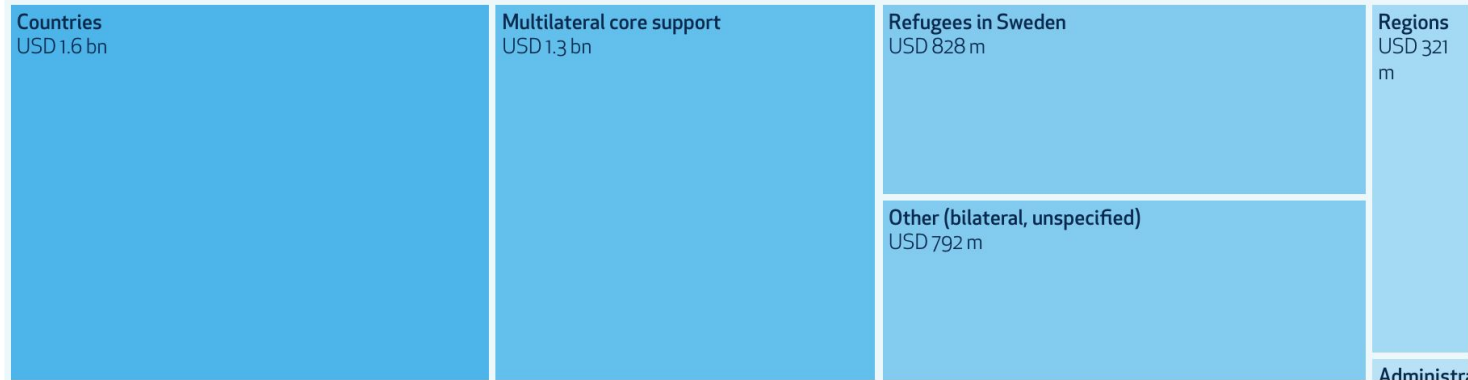
Idea for Change | *Weighted wordcloud*

Pretty Smart Solution

www.resi.se

Header catches public eye

www.openaid.se

Why a wordcloud?

Get Your Head into the Clouds: Using Word Clouds for Analyzing Qualitative Assessment Data

CA DePaolo, K Wilkinson - TechTrends, 2014 - Springer

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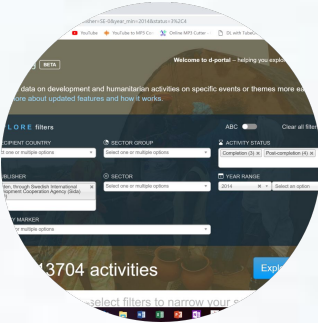## Assessing the Use of Key Words in Student Responses

One possible way in which word clouds can be used in assessment is to gauge the use of key words in student responses to essay or short answer questions. For example, in a statistics course, an instructor wished to assess if students understand

"Word clouds have emerged as a straightforward and visually appealing visualization method for text."

F Heimerl, S Lohmann, S Lange… - System Sciences (HICSS …, 2014 - ieeexplore.ieee.org

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Solution: How?

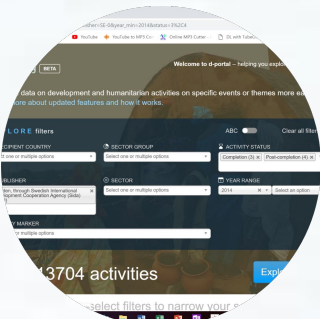**Locate pdf files**

1) Get IATI-identifiers
2) Make API calls
3) Filter activities
4) Obtain URLs
5) Determine language
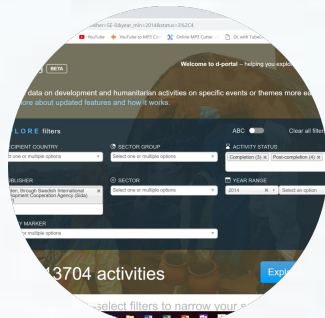
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Automate with code

1) Run NLP locally
2) Stem words
3) Remove stop words
4) Filter pre-defined keywords
4) Weigh keywords (k-NN)

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Qualitatively visualise

1) Fetch JSON data
2) Generate word cloud

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Thank you

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