

input

colandr

output

SYSTEM 1: CITATION SCREENING

SEARCH RESULTS
Bibtex format (.bib)

RELEVANCE RANKING: 1st STAGE
Ranks articles by amount of overlap between user-identified key terms + citation [titles, abstracts, keywords]

RANKED LIST OF CITATIONS

MODEL TRAINING

Users screen list and mark citations as included, excluded, and unknown. At least 10 articles must be flagged as included to inform machine learning model.

INFORMS MACHINE LEARNING MODEL (Word2Vec)

Program actively learns with user input to provide a dynamic list ranked by relevance

RE-RANKED LIST OF CITATIONS

RELEVANCE RANKING: 2nd STAGE
Users continue to screen citations as included, excluded, and unknown, continually informing the model and dynamically re-ranking list of citations

Citation Screening

SCREEN [2000] Awaiting [0] IN CONFLICT [0] EXCLUDED [1989] INCLUDED [1724]

HIGHLIGHTS_ON

Filter by tag: Relevance

Hughes, K.F.D., Jacobson, C., Smith, E.F.
A framework for comparing collaborative management of Australian and New Zealand water resources
Ecology and Society (2017)
INCLUDE SKIP EXCLUDE

Chloss, F., Claudet, J., Collin, A., Beldoch, S., Marshall, P., Thiault, L.
Mapping social-ecological vulnerability to inform local decision making
Conservation Biology (2018)
INCLUDE SKIP EXCLUDE

Hughes, A.C., Tabora, J.A.G., Tinalgo, K.C.
Bat cave vulnerability index (BCVI): A holistic rapid assessment tool to identify priorities for effective cave conservation in the tropics
Ecological Indicators (2018)
INCLUDE SKIP EXCLUDE

RELEVANCE TO TOPIC

User decides when to stop screening

LIST OF INCLUDED ARTICLES FOR FULL TEXT ASSESSMENT

CODING RECORD FOR ALL CITATIONS
CSV format (.csv)

ARTICLES FOR FULL TEXT ASSESSMENT
Portable document format (.pdf)

MODEL TRAINING

User manually categorizes at least 25 articles to train model

Review > Extract > Label Summary

Producing conservation and community in South Africa

TOGGLE PDF FINALIZE

Conservation governance in Nepal: protecting forest biodiversity and people's livelihoods
T.B. Khatri

biblio
No values set

intervention_type
area management x lake protection x

outcome_type
economic living standards x

study_design
No values set

biome

FOR EXAMPLE:
WHAT CONSERVATION INTERVENTION(S) IS THIS ARTICLE ABOUT?

- Land/water protection
- Land/water management
- Species management
- Resource management
- Education/awareness
- Law & policy
- Economic incentives
- External capacity building

WHAT HUMAN WELL-BEING OUTCOME(S)?

- Economic living standards
- Material living standards
- Health
- Education
- Social relations
- Security & safety
- Governance
- Subjective well-being
- Cultural/spiritual values
- Freedom of choice/action

INFORMS MACHINE LEARNING MODEL (GloVe)

DISPLAYS SENTENCES RELATED TO PREDICTED CATEGORIES

Data Extraction - Label Review

Local impacts and responses to regional forest conservation and rehabilitation programs in China's northwest Yunnan province

SENTENCES RELATED TO INTERVENTION: law & policy

Under Review

1. Confidence: High
In 2000, the government declared a ban on logging in natural forests (Zhao et al., 2001), as part of the NFPP. The NFPPs inception actually dates back to the 1970s and 1980s, when the Chinese government developed shelterbelt afforestation programs along major watersheds. In the 1980s, a logging quota system was introduced in response to huge increases in national wood consumption. These measures increased overall forest cover to

2. Confidence: High
They are assigned to the office by the government, and forestry agencies have no choice in of staff. Only a third of the forestry officials have a proper background in forestry. On the basis of the community survey and discussions with line agency staff, several recommendations were made. These included recommendations regarding: (1) program management, e.g. establishing feedback mechanisms across different administrative levels

3. Confidence: High
Funds are also provided to the forestry agencies to cover technical support and program design. As the case studies described below reveal, these funds are often insufficient (see also Zuo, 2002). Table 1 Local government agencies functional roles in the SSCP Agency Responsibility Planning Commission Overall planning and compiling Minority Nationality Affairs Commission Mediating in disputes with potential ethnic implications Department of

ACCEPT SKIP REJECT

User accepts or rejects predicted categories

Data Extraction - Label Review

Local impacts and responses to regional forest conservation and rehabilitation programs in China's northwest Yunnan province

SENTENCES RELATED TO INTERVENTION: law & policy ACCEPTED

SENTENCES RELATED TO INTERVENTION: resource management ACCEPTED

SENTENCES RELATED TO INTERVENTION: external capacity REJECTED

SENTENCES RELATED TO INTERVENTION: economic incentives REJECTED

SENTENCES RELATED TO INTERVENTION: land/water management REJECTED

SENTENCES RELATED TO INTERVENTION: land/water protection REJECTED

	A	B	C	D
1	article id	Author(s)	Conservation_type	Human Well-being type
2	1	Smith et al.	protected areas	economic well-being
3	2	Wang et al.	PES	health
4	3	Gomez et al.	CBNRM	rights

DESIRED DATA FROM INCLUDED ARTICLES
Comma-separated values (.csv)
Excel & R compatible

LEGEND

- [Red box] = INPUTS
- [Green box] = OUTPUTS
- [Blue oval] = COMPUTER ASSISTANCE
- [Downward arrow] = DOWNLOADS
- [Upward arrow] = UPLOADS
- [Dashed arrow] = INFORMING MODEL