

systematic reviews are a reproducible solution for environmental challenges



@cjlortie


reproducible environmental management solution

OIKOS

SYNTHESISING ECOLOGY

Editorial | [Free Access](#) |

Formalized synthesis opportunities for ecology: systematic reviews and meta-analyses

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rers

novelty

narrative reviews are dead

long live systematic reviews

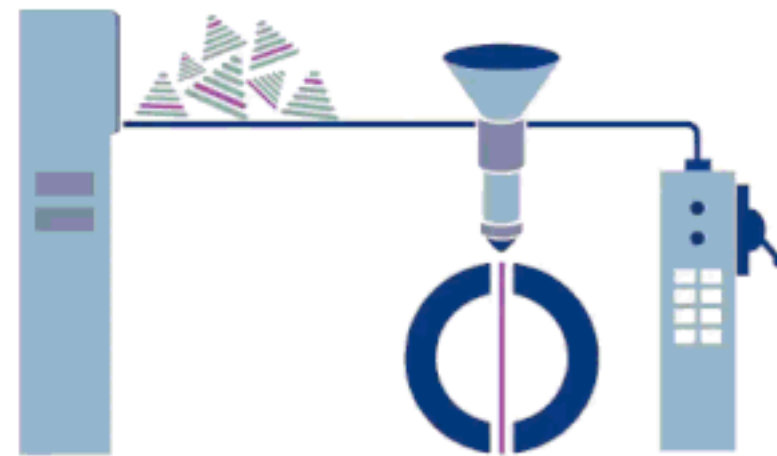
systematic vesus meta

challenge



how to resolve differences between studies

publication
conclusion
reviewer
synthesis
construct
selection
systematic
research
BIAS
outcome
evidence
appraising
meta-analysis
reporting
locating
validity

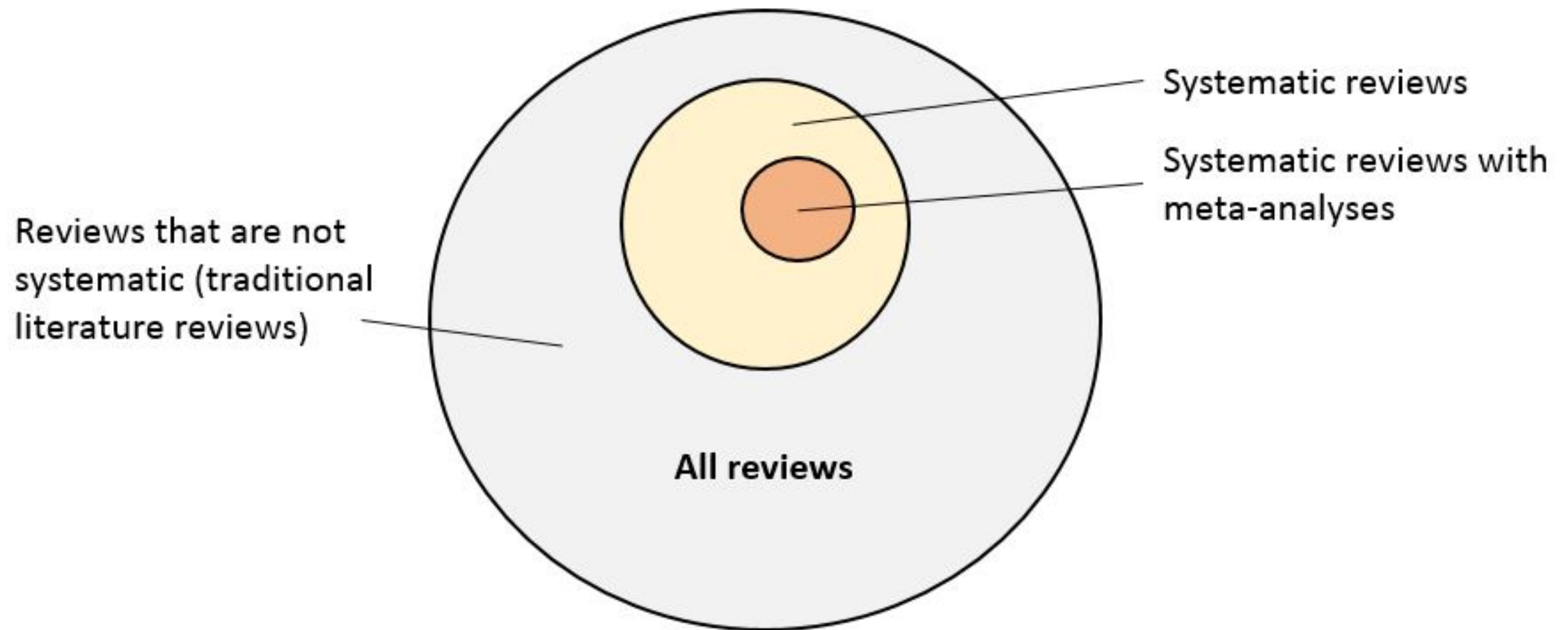


methods

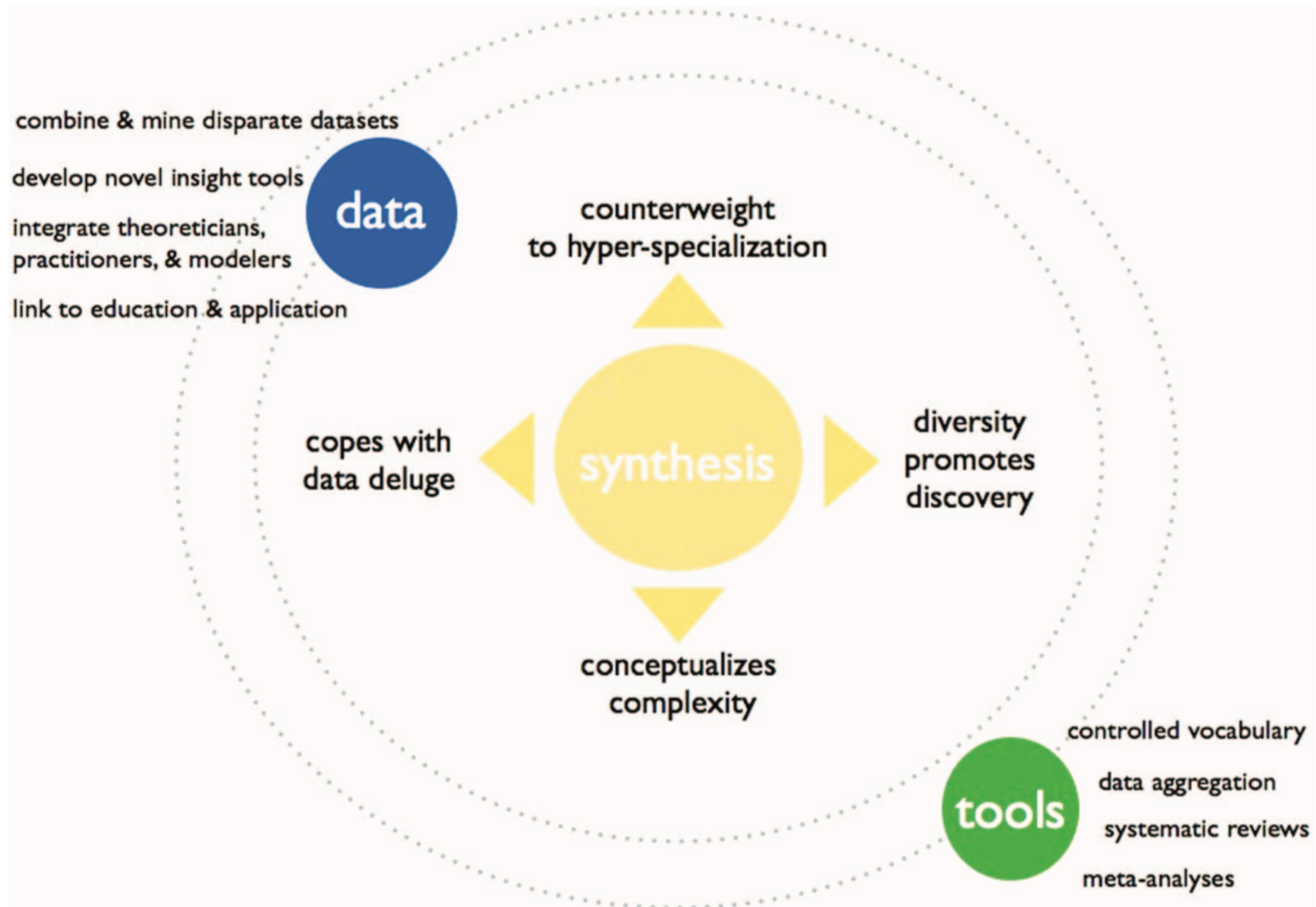
in environmental sciences, systematic reviews describe
study-level attributes

whilst

meta-analyses summarize data from each study



even larger scale



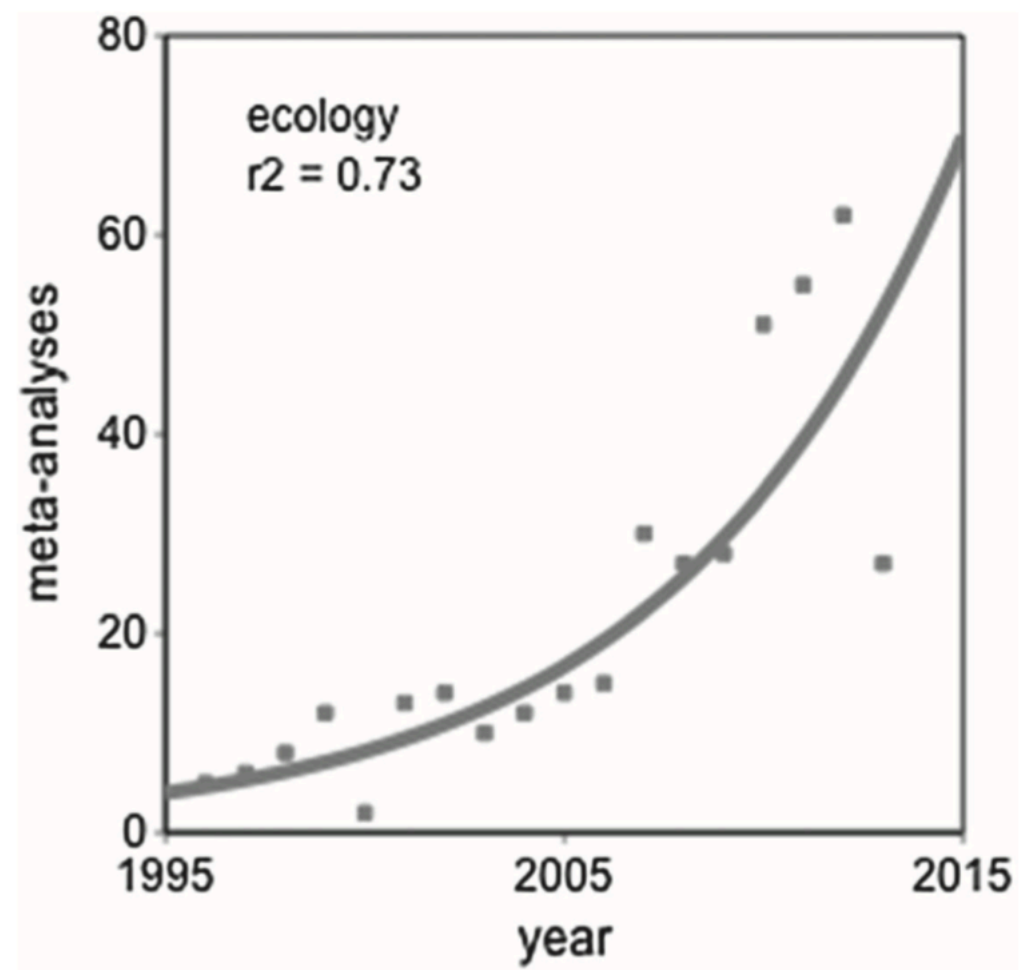
the synthesis solar system

use



reuse

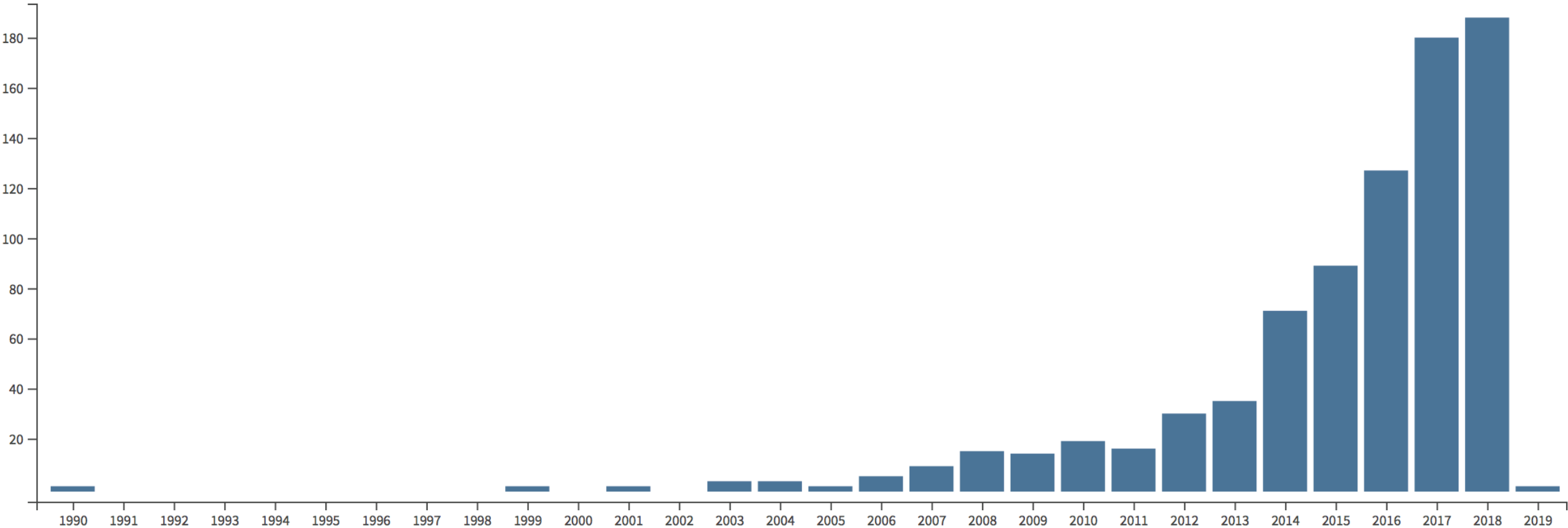
meta-analysis
data-aggregation
summary
vote-count
review
nceas
combination
integration
synthesis



use: environmental science & studies

Total Publications

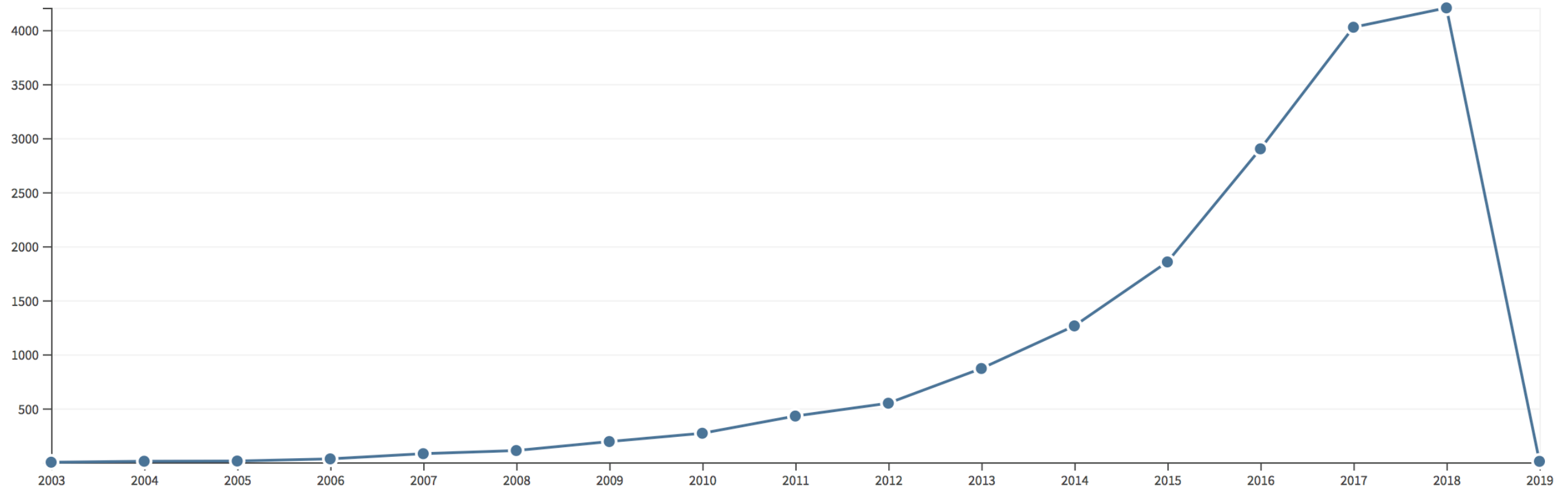
809 [Analyze](#)



publications with 'systematic review' in title

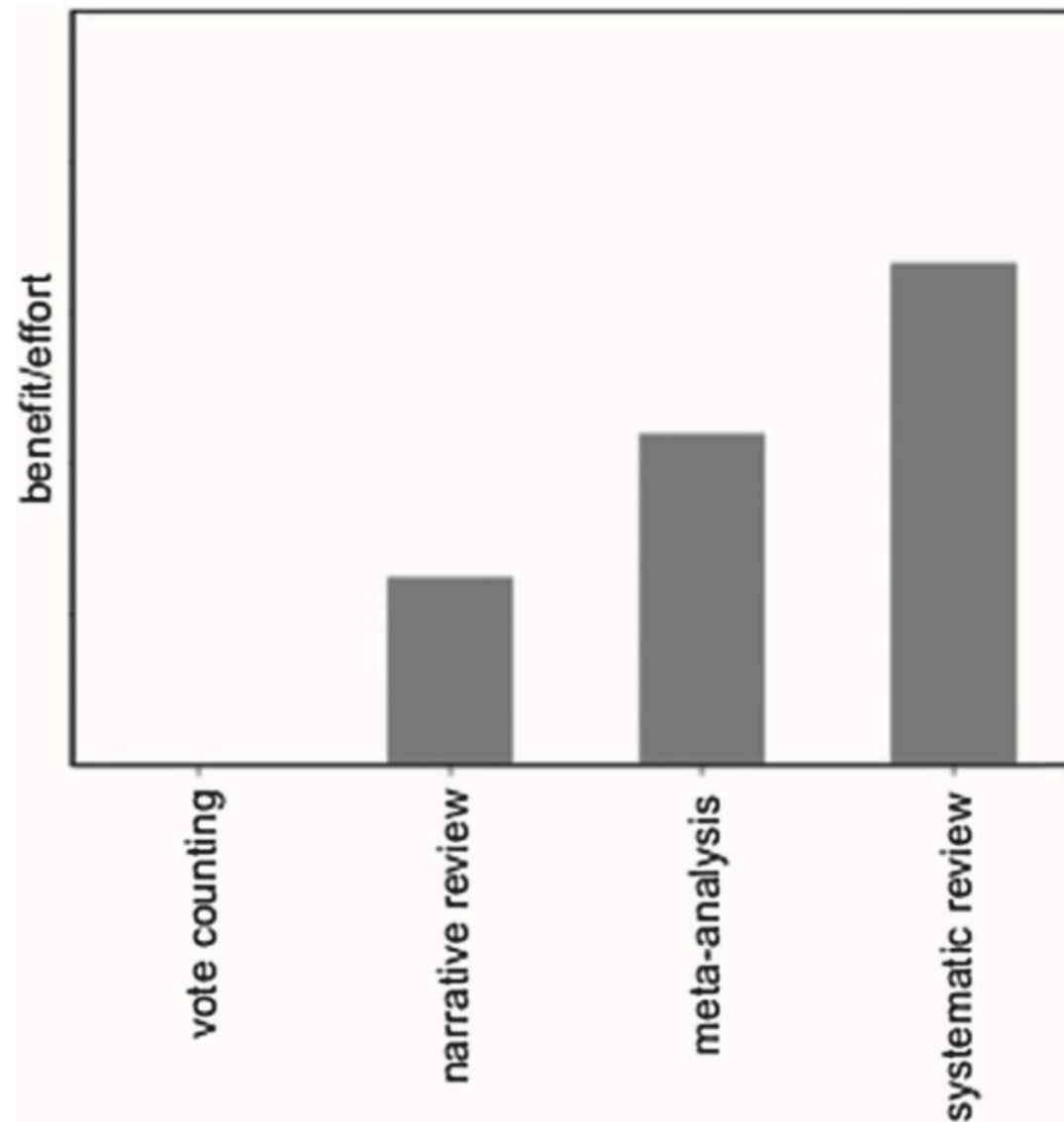
reuse: environmental science & studies

Sum of Times Cited per Year





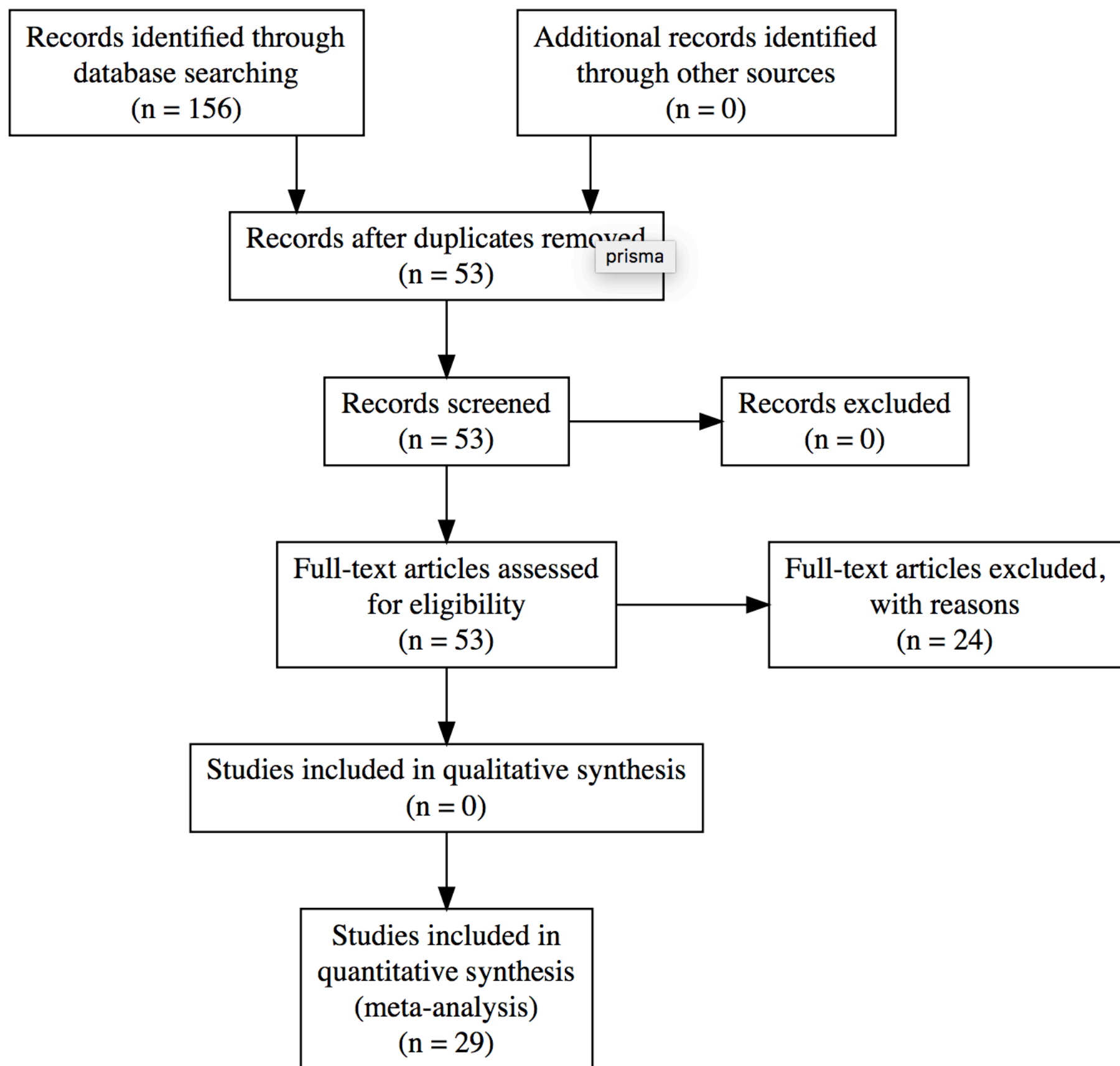
learning the spells is some effort



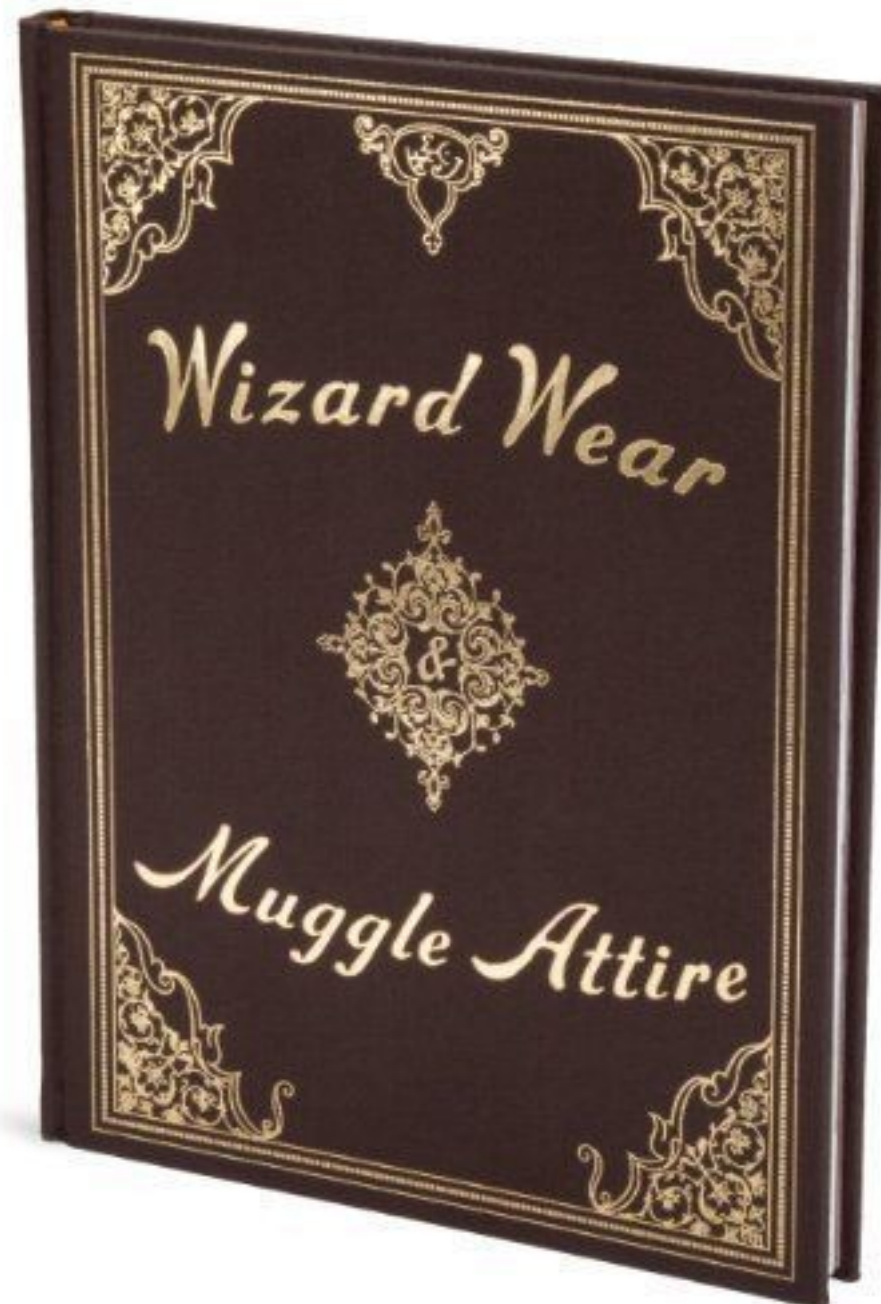
steps

<https://cjlortie.github.io/open.meta.workflows/>

**transparent, reproducible,
let the evidence tell the story**



implications



be a wizard