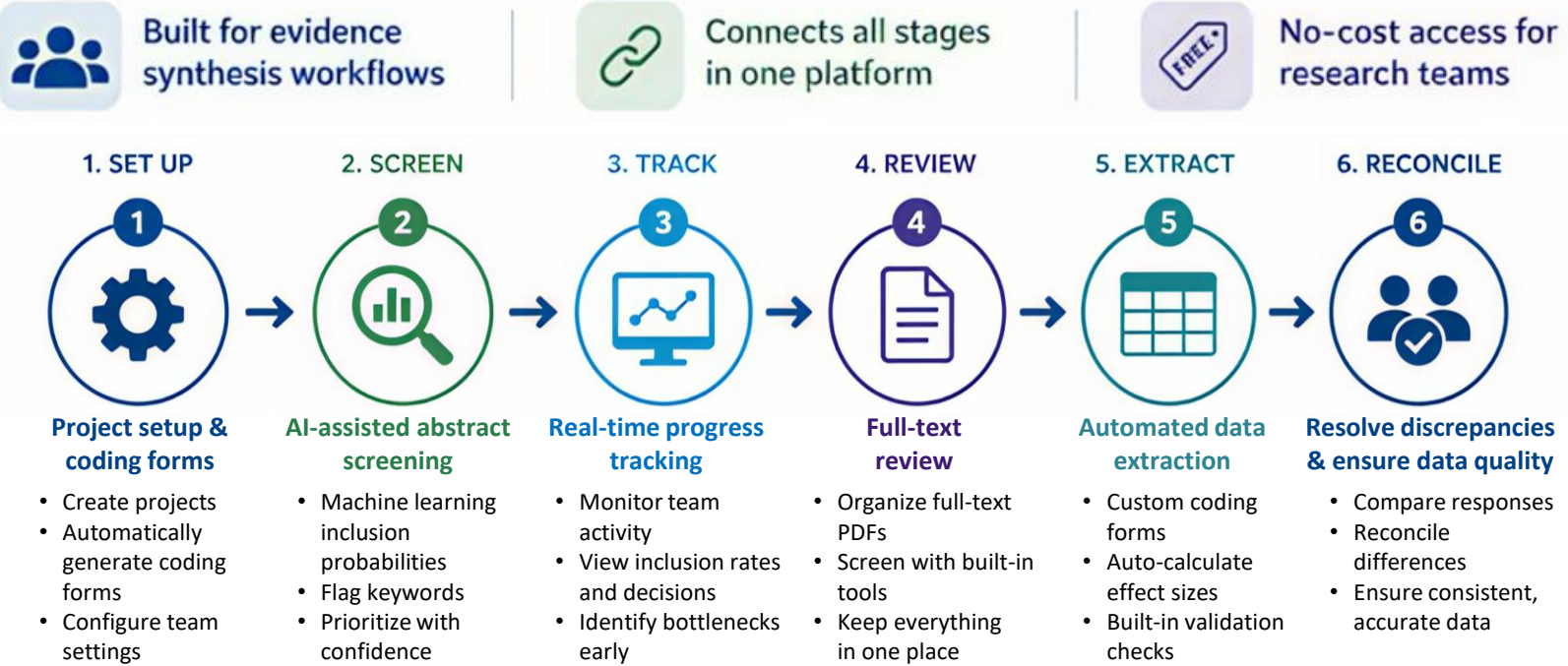


MetaReviewer: Smarter Workflows for Systematic Reviews

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 [#2400530: Advances in Research Synthesis Through Expansion of MetaReviewer's Functionality](#)



F10295
Unknown Author (n/a), "Untitled"

The effect of inquiry-based explorations in a dynamic geometry environment on sixth grade students' achievements in polygons

The purpose of this study was to investigate the effects of using a dynamic geometry environment (DGE) together with inquiry-based explorations on the sixth grade students' achievements in polygons and congruency and similarity of polygons. Two groups of sixth grade students were selected for this study: an *experimental* group composed of 66 students (34 boys and 32 girls) and a control group composed of 68 students (35 boys and 33 girls). The students in the *experimental* group taught with a DGE, while the students in the control group received textbook-based direct instruction. An achievement test was administered as pre-test, post-test, and delayed post-test in both groups. *Qualitative* data were collected through videotaped classroom observations. The results showed that the DGE together with open-ended explorations significantly improved students' performances in polygons and congruency and similarity of polygons. Furthermore, students in the *experimental* group showed greater interest and motivation toward learning geometry compared to those in the control group whom often showed lack of interest and curiosity. Also, students' comments and interpretations during lessons and tests were more accurate and advanced in the *experimental* group as they engage more in the DGE. Moreover, *qualitative* data suggested that boys showed greater interest in the computer-based learning environment than girls in the *experimental* groups although no significant gender effect on achievement was found. (PsyINFO Database Record (c) 2017 APA, all rights reserved)

Overall decision
My decision: Awaiting decision

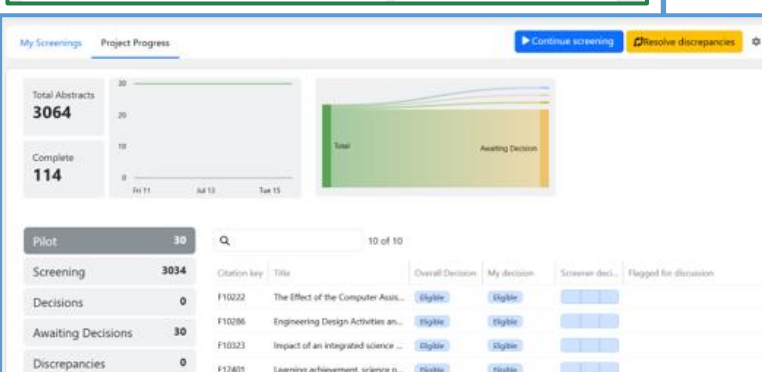
Inclusion criteria
Eligible keywords: experiment, RCT, SE, comparison, cluster randomized
Ineligible keywords: interviews, qualitative

Notes
Add note...

Model Probability
76%

If you have multiple samples you plan to compare (e.g., a treatment group compared to a control group) and/or subsamples you'd like to examine separately, complete one column for each.

Sample name/ID	Does this entry constitute the full sample or a subsample?	What is the country of origin for this sample?	What is the urbanicity of the sample?	What percentage of participants in this sample were assigned male at birth?	What percentage of participants in this sample were assigned female at birth?	What percentage of participants in this sample identified as male?	What percentage of participants in this sample identified as female?	What percentage of participants in this sample identified as non-
	Select...	Select...	Urban Suburban Rural Unclear	Urban Suburban Rural Unclear				



Cyberbullying Toy Example Coding Form

If you have multiple samples you plan to compare (e.g., a treatment group compared to a control group) and/or subsamples you'd like to examine separately, complete one column for each.

Source Columns	101-sub, 101-Full	102-sub, None
Sample name/ID		
Does this entry constitute the full sample or a subsample?	Select...	Select...
What is the country of origin for this sample?	United States	
What is the urbanicity of the sample?	Urban Suburban Rural Unclear	Urban Suburban Rural Unclear
What percentage of participants in this sample were assigned male at birth?	30	
What percentage of participants in this sample were assigned female at birth?	70	
What percentage of participants in this sample identified as male?	30	

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