

Bibliometric analyses of fields with **inconsistent terminology** are challenging.

A comparison between a typical search and the ML-augmented dataset reveals the **insufficiency and limitations** of the former approach.

Leveraging Machine Learning to **automate screening** facilitates accurate mapping of unexplored or **previously unexplorable fields**.

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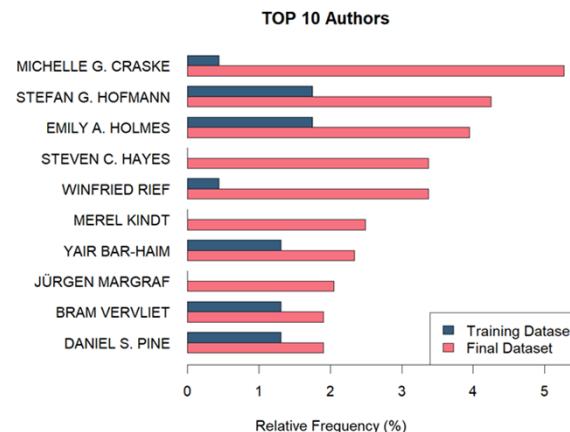
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The Merits of Screening Automation for Bibliometric Analyses: The Case of Translational Psychotherapy



Criteria	Training Dataset	Final Dataset
N. of publications	229	683
Annual growth rate	9.33	13.07
M citations	21.56	67.38
Median citations	17	21
M Twitter mentions	4.86	20.58
Median Twitter mentions	1	2
Open Access	34.74%	37.21%

Round	Inclusion probability $\geq .9$			Inclusion probability $< .9 \cap \geq .7^*$		
	n Predicted	n Included	Precision	n Predicted	n Included	Precision
1	211	107	.51	76	43	.57
2	74	74	1	62	59	.95

Link to presentation

