

Scalable Discovery of Complementary Datasets in Data Lakes

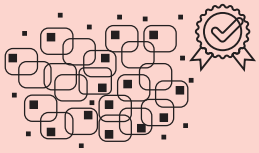
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Complementarity

Two datasets are complementary if, when combined, they increase their data value.



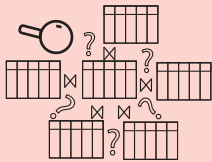
Challenges



Large number of datasets



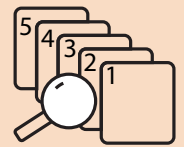
Ranking results



Finding meaningful joins



Quantify complementarity



Exploring ranking functions



User interactions as context



Exploring algs for union and join

