

Review of: "Strategic Citations in Patents: Analysis Using Machine Learning"

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Potential competing interests: No potential competing interests to declare.

The authors of the manuscript titled "Strategic Citations in Patents: Analysis Using Machine Learning" used a variety of data sources, including PatentsView and USPTO Bulk Data Products, to collect information on utility patents granted between 1976 and 2016. Utilising patent data, the Doc2Vec algorithm and cosine similarity demonstrate an advanced method for analysing knowledge spillovers. Using the Doc2Vec algorithm to generate vector representations of patent abstracts is a robust method for capturing knowledge content. Using cosine similarity as a measure of technological proximity eliminates the limitations of previous methods and ensures that cross-patent comparisons are more consistent. The manuscript's results and discussion provided profound insights into the existence and impact of knowledge spillovers. The methodology and results of the study are thoroughly described, thereby enhancing reproducibility and facilitating future research. The discussion sheds light on the implications of the results and acknowledges the study's limitations, thereby adding to the existing body of literature. Utilising patent data and advanced NLP techniques, this study makes a significant contribution to the field of knowledge spillovers. This reviewer believes the manuscript is acceptable without revisions in its current form.