

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

Pritam Ranjan¹

¹ Indian Institute of Management Indore

Potential competing interests: No potential competing interests to declare.

The study aims to explore the relationship between patents and their citations by examining the similarity of innovative ideas based on the textual content of patent abstracts. Patents serve as records of inventions, with the patentee holding the rights to the patent. The impact of a patentee's innovation is determined by the number of patents they invent and the citations their patents receive, indicating their innovation ability. Although several assessment algorithms have been developed to evaluate the impact of patentees using citation counts, they do not consider the quality of the citations. It would be valuable if the author could discuss the quality of citation comparisons before and after the patentee leaves the organization, as it would contribute to the existing literature.

Few additional comments:

- > Provide a clearer explanation of the concept of strategic citations and how it is applied in the study.
- > Address the potential issue of reverse causality regarding the evidence of external influences on the rate of local citations.
- > Consider incorporating firm-level characteristics to account for their diverse impact on patent citations and control for potential heterogeneity.