

Mapping Interdisciplinarity at the Interfaces between the *Science Citation Index* and the *Social Science Citation Index*

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Abstract

The two Journal Citation Reports of the *Science Citation Index 2004* and the *Social Science Citation Index 2004* were combined in order to analyze and map journals and specialties at the edges and in the overlap between the two databases. For journals which belong to the overlap (e.g., *Scientometrics*), the merger mainly enriches our insight into the structure which can be obtained from the two databases separately; but in the case of scientific journals which are more marginal in either database, the combination can provide a new perspective on the position and function of these journals (e.g., *Environment and Planning B—Planning and Design*). The combined database additionally enables us to map citation environments in terms of the various specialties comprehensively. Using the vector-space model, visualizations are provided for specialties that are parts of the overlap (information science, science & technology studies). On the basis of the resulting visualizations, “betweenness”—a measure from social network analysis—is suggested as an indicator for measuring the interdisciplinarity of journals.

Keywords: journal, visualization, vector space, interdisciplinarity, citation.