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Data article

Dataset on statistical analysis of editorial board composition of Hindawi journals indexed in Emerging sources citation index

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ABSTRACT

This data article contains the statistical analysis of the total, percentage and distribution of editorial board composition of 111 Hindawi journals indexed in Emerging Sources Citation Index (ESCI) across the continents. The reliability of the data was shown using correlation, goodness-of-fit test, analysis of variance and statistical variability tests.

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Specifications table

Subject area	Decision Sciences
More specific subject area	Bibliometrics, Statistical data analysis
Type of data	Table, Figure and MS Excel
How data was acquired	The data was obtained from freely open access hindawi journals
Data format	Raw, partially analyzed
Experimental factors	Patterns of composition of editorial members of journals indexed in ESCI.
Experimental features	Only the Journals indexed in ESCI were considered
Data source location	Hindawi Publisher
Data accessibility	All the data are in this data article

Value of the data

- The data could be helpful in the determination of the impact of journal indexing on scientific publications.
- The analysis can be extended to other publishers.
- The dataset can be helpful in bibliometric analysis.
- The dataset can be helpful as a ranking analytics for journals and management of smart campuses.
- The dataset can be helpful in monitoring the impact of editorial composition in the acceptance and rejection of manuscripts submitted to different *Hindawi* journals.
- The dataset can provide insight to the following: stereotyping in academic publications, duration differences in acceptance or rejection of manuscript, bias in publication. See [1] for the case of management academic area.
- The dataset can spur academic discourse on the effect of geographical distribution of editorial board membership on perceived research output using the journals indexed in ESCI as case study. This can be achieved when citation analysis is incorporated. See the conclusions of [2].
- Several statistical models and methods can be applied to the dataset for further analysis.

1. Data

The dataset contained in this article are listed as follows:

- The dataset of editorial composition of 111 Hindawi journals indexed in ESCI. This can be assessed as [Supplementary data 1](#).
- The frequency of editorial board composition of the 111 Hindawi journals and their summary statistics. This is presented in [Fig. 1](#).
- The editorial board membership grouped into six continents. These are presented in bar charts. See [Fig. 2a, b, c, d](#) and [e](#).
- The detailed statistical analysis such as correlation analysis, test of normality and analysis of variance
- The detailed dataset showing the Poisson distribution goodness-of-fit test of the data classified into six continents namely North America (NAM), Europe (EURO), Asia (ASIA), South America (SAM), Australia (AUST) and Africa (AFR).

1.1. Detailed data description

Hindawi Publishing Corporation is one of the leading academic publishers of medical, technical, social and scientific peer-reviewed literature. Currently, they publish 302 journals that cut across

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