Pathways To High-Impact Journal Publication:
Mastering Bibliometric Analysis In Four Steps

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Abstract

Bibliometric analysis is a research method that summarises extensive bibliometric data. It enables scholars to identify emerging trends in article and journal performance, collaboration patterns, publication trend analysis, author productivity, citation analysis and predicting emerging trends. Mastering bibliometric analysis involves four key steps. Firstly, identify the topic of interest; secondly, narrow down the scope; thirdly, download the dataset;and finally, conduct the bibliometric analysis and present the results. Bibliometric analysis enables academicians to excel in their Key Performance Indicators (KPIs) by publishing high-impact journals. It also increases their visibility and global recognition as well as creating avenues for securing funding opportunities. Furthermore, bibliometric analysis showcases the novelty of its usefulness in research. First, datasets are readily available and many research analytical tools are openly accessible, making it applicable across a broad spectrum of academic disciplines. Additionally, simplicity in analysis, minimal resource requirements and methodological transparency further enhance its practicality, providing a cost-effective and efficient approach for researchers. In terms of commercialization potential, empowering the application of bibliometric analysis leads to ncome generation avenues. This encompasses organizing paid workshops and training sessions to educate researchers on effective use of bibliometric insights. Additionally, offering paid consultation services aids researchers and institutions in strategically leveraging bibliometric data for planning, while providing paid research evaluation packages supports funding agencies and
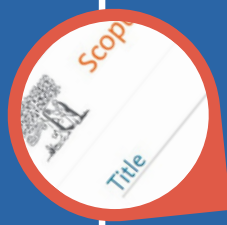institutions in assessing research impact.

Keywords: Bibliometric analysis, high-impact journals, publication

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Abstract

Bibliometric analysis summarizes extensive data to identify performance patterns, collaboration dynamics and predicting trends. The four main steps involve identifying topic of interest, narrowing down scope, downloading datasets and conducting analysis. Bibliometric analysis enhances academics' KPIs through high-impact journal publications. Commercially, it offers income generation through conducting workshops, offering consultations services and research evaluation packages that could benefit researchers and institutions.

Usefulness and Application

- Academicians excel in KPIs with impactful publications.
- Contributes to career advancement through high-impact journal, heightened visibility and attaining global recognition.

STEP 1
Identify Topic of Interest

- Ensure the chosen topics are easily searchable
- Design research questions beforehand to define the purpose and direction of the analysis

Commercialization Potential:

Conduct paid workshops
to teach researchers how to master bibliometric analysis effectively.
Offer paid consultation services
to help researchers/institutions utilize bibliometric data for strategic planning.
Provide paid services
to assess the impact and visibility of research outputs, aiding funding agencies and institutions.

STEP 4
Conduct Bibliometric Analysis and Present Results

Install bibliometrix R package at
https://www.bibliometrix.org/home/index.php/download

Use different analysis to answer research questions. (e.g. Citation patterns, collaboration networks and authorship trends)

Novelty

Suitable for Varied Disciplines:
Applicable across diverse fields of study.
Minimal Resource Demand:
Minimal funding is necessary.
Transparency and Reproducibility:
The procedure is transparent and results can be replicated using the same methodology.
Efficiency:
They require relatively little time to perform.

STEP 2 Narrow Down

Bibliometric data can be obtained from academic databases such as Scopus, Web of Science (WoS), Google Scholar, Dimensions, PubMed, CiteSeerX and Microsoft Academics

Filter access type, year, author name, subject area, document type, source title, keyword, affiliation, country, source type and language.

Research objective

Assist researchers to master bibliometric analysis for high-impact journal publication.

STEP 3 Download Dataset

- Export data in CSV or RIS format

Advantages

Datasets are readily available and many research analytical tools are openly accessible

Evidence

A Bibliometric Analysis of the Research on Social Attitudes Towards LGBT Community (2002–2022)

Stand a high chance to get published in high-impact journals!

Source

Ahmi, A. (2021, October 26). Benefits of conducting bibliometric analysis studies. Facebook.https://www.facebook.com/aidi.ahmi/posts/pfbid0Ud6SAJgrTHEG177bT7yiAXkDBwxMBVLmR3QSj9pVXJF2MaDhZKU887orsJrbAiYLl

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