

Package: hindexcalculator (via r-universe)

September 14, 2024

Title H-Index Calculator using Data from a Web of Science (WoS)
Citation Report

Version 1.0.0

Description $H(x)$ is the h-index for the past x years. Here, the $h(x)$ of a scientist/department/etc. can be calculated using the exported excel file from a Web of Science citation report of a search. Also calculated is the year of first publication, total number of publications, and sum of times cited for the specified period. Therefore, for h-10: the date of first publication, total number of publications, and sum of times cited in the past 10 years are calculated. Note: the excel file has to first be saved in a .csv format.

Depends R ($\geq 3.2.0$)

License AGPL

LazyData true

NeedsCompilation no

Author Sepand Alavifard [aut, cre]

Maintainer Sepand Alavifard <s.alavifard@gmail.com>

Date/Publication 2015-09-11 17:10:46

Repository <https://salavifard.r-universe.dev>

RemoteUrl <https://github.com/cran/hindexcalculator>

RemoteRef HEAD

RemoteSha 95244242afa3f5e9dc6b8dd550e35e74d11d9c0c

Contents

BWHCitationReport	2
hindexcalculator	2
Index	3

BWHCitationReport	<i>WoS exported citation report for search AD=(brigham same anes*) OR AD=(brigham same anaes*)</i>
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Description

WoS exported citation report for search AD=(brigham same anes*) OR AD=(brigham same anaes*)

hindexcalculator	<i>H-Index Calculator using Data from a Web of Science (WoS) Citation Report</i>
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Description

H-Index Calculator using Data from a Web of Science (WoS) Citation Report

Usage

```
hindexcalculator(readcsv, hx, date)
```

Arguments

readcsv	- The read.csv function that will locate the citation report of interest
hx	- The h-index of interest. Can be any positive integer or "c" (without quotations) for cumulative h-index
date	- The last year of interest plus 1. For instance, if the citation report includes the year 2015 but you want h(10) not including 2015, therefore 2005-2014, you would enter 2015 for this argument

Examples

```
#calculate the h(10) of the Brigham and Women's Hospital - Department of Anesthesia
data(BWHCitationReport)
readcsv <- BWHCitationReport
hx <- 10
date <- 2015

hindexcalculator(readcsv, hx, date)
```

Index

* **data**

BWHCitationReport, [2](#)

BWHCitationReport, [2](#)

hindexcalculator, [2](#)