Open-Access Analysis

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Ovtober 3, 2023

Water Resources Planing and Management

Description

This is an R Markdown document. This document reads in a query from Scopus for Water Resources Planing and Management. The document reports:

1. Number of open-access articles, number of closed articles, and total number of articles
2. Results from a Kolgomorov-Smirnov test to see if the number of citations is different for open vs closed-access articles.
3. Cumulative distributions of the two number of citations data sets (Figure1).

Requested Citation

Article Counts

Number of Articles: 838

Number of Open Access Articles: 178
Number of Closed Access Articles: 660

Number of Total Articles 2020 to 2023: 557

```
##
##  Two-sample Kolmogorov-Smirnov test
##
## data:  as.numeric(dfArticlesOpenAccess$Cited.by) and as.numeric(dfArticlesNotOpen$Cited.by)
## D = 0.051175, p-value = 0.8563
## alternative hypothesis: two-sided
```

```
## [1] "Not different at 0.05 level"
```

Figure 1. Percent Open Access by Year

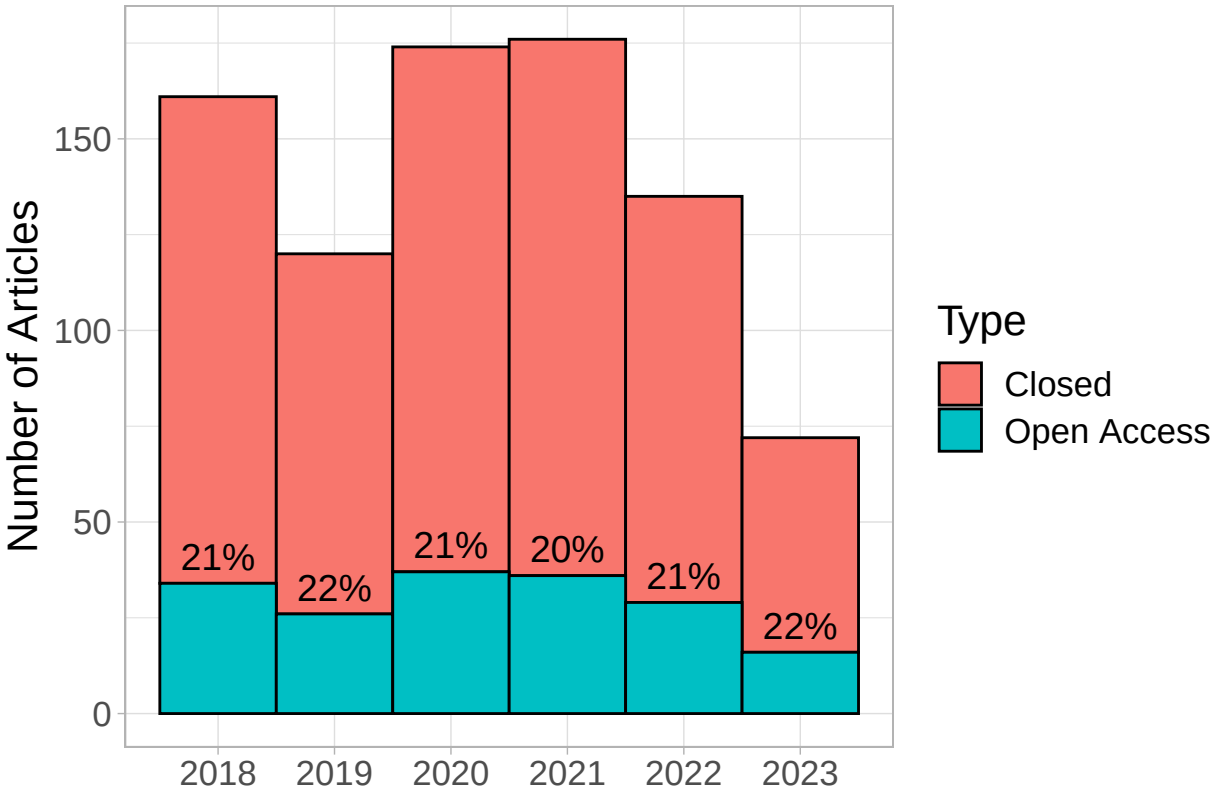

Figure 2. Cumulative Distributions of Number of Articles Cited