

Open-Access Analysis for American Society of Civil Engineers Publishing

David E. Rosenberg

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All ASCE Journals

Description

This is an R Markdown document. This document reads in a query from Scopus for All ASCE Journals. The document reports:

1. Number of open-access articles, number of closed articles, and total number of articles
2. Results from a Kolmogorov-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: 27,647

Number of Open Access Articles: 2,272

Number of Closed Access Articles: 25,375

```
##  
## Two-sample Kolmogorov-Smirnov test  
##  
## data: as.numeric(dfArticlesOpenAccess$Cited.by) and as.numeric(dfArticlesNotOpen$Cited.by)  
## D = 0.14112, p-value < 2.2e-16  
## alternative hypothesis: two-sided  
  
## [1] "Different with 0.95 confidence"
```

Figure 1. Percent Open Access by Year

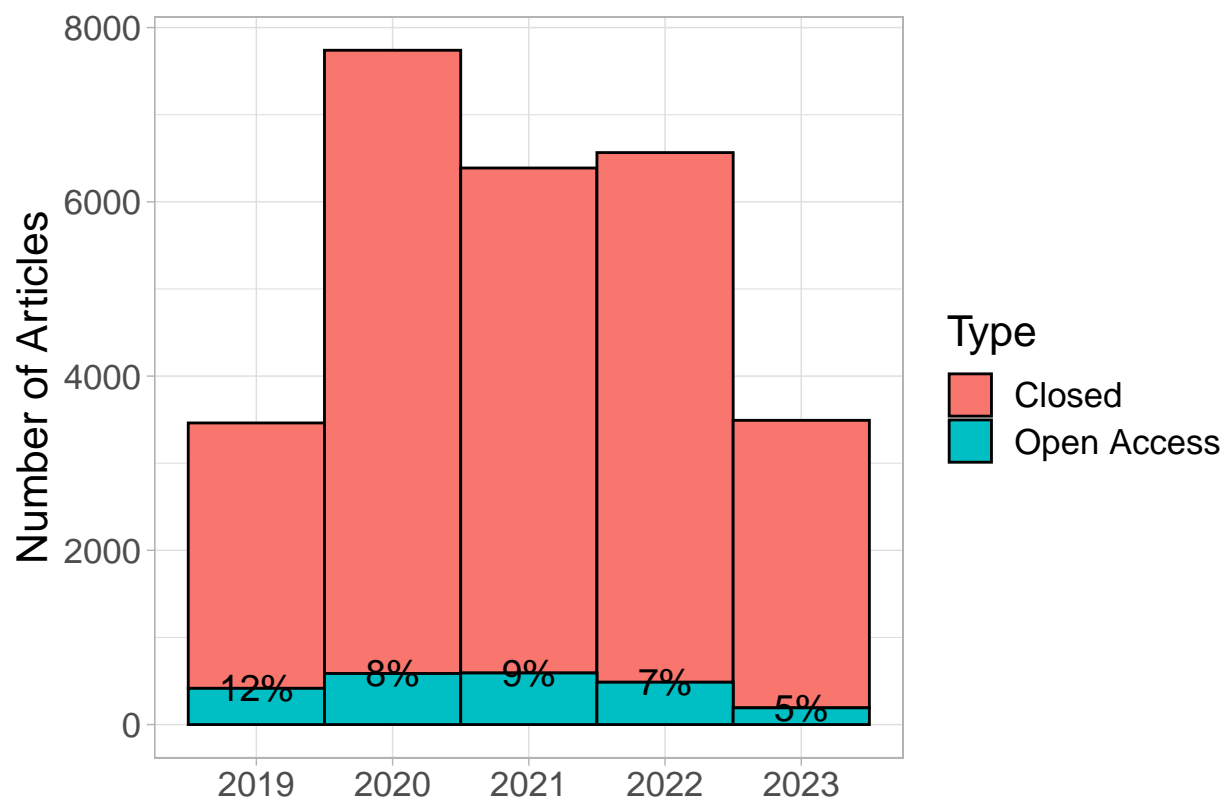


Figure 2. Cumulative Distributions of Number of Articles Cited

