On the origin of citations

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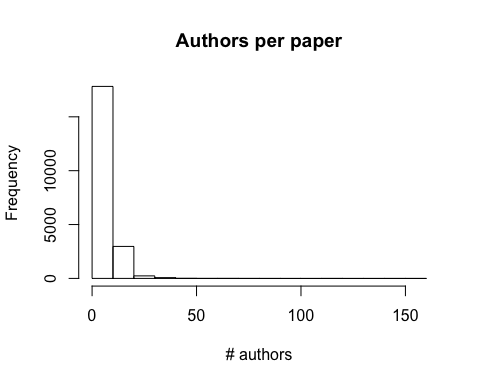
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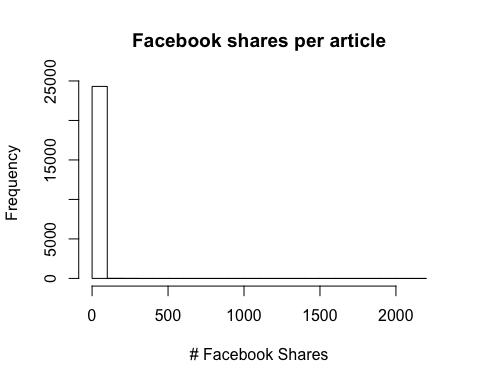
# Load the data

counts\_raw <- read.delim("~/altmetrics/counts-raw.txt")  
counts\_norm <- read.delim("~/altmetrics/counts-norm.txt")

# Data exploration

What's the distribution of authors in all articles of our data set?





The average number of Facebook shares per paper in the data set is 0.6524187.

## dplyr

library("dplyr")

##   
## Attaching package: 'dplyr'  
##   
## The following object is masked from 'package:stats':  
##   
## filter  
##   
## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

research <- filter(counts\_raw, articleType == "Research Article")

research\_2006 <- filter(research, year == 2006)  
nrow(research\_2006)

## [1] 873

research\_2006\_tweet <- filter(research\_2006, backtweetsCount > 0)  
nrow(research\_2006\_tweet)

## [1] 10

research\_2006\_fb\_tweet <- filter(research, year == 2006,  
 facebookCommentCount > 0 |  
 backtweetsCount > 0)  
nrow(research\_2006\_fb\_tweet)

## [1] 13