MAG - 'Climatology'

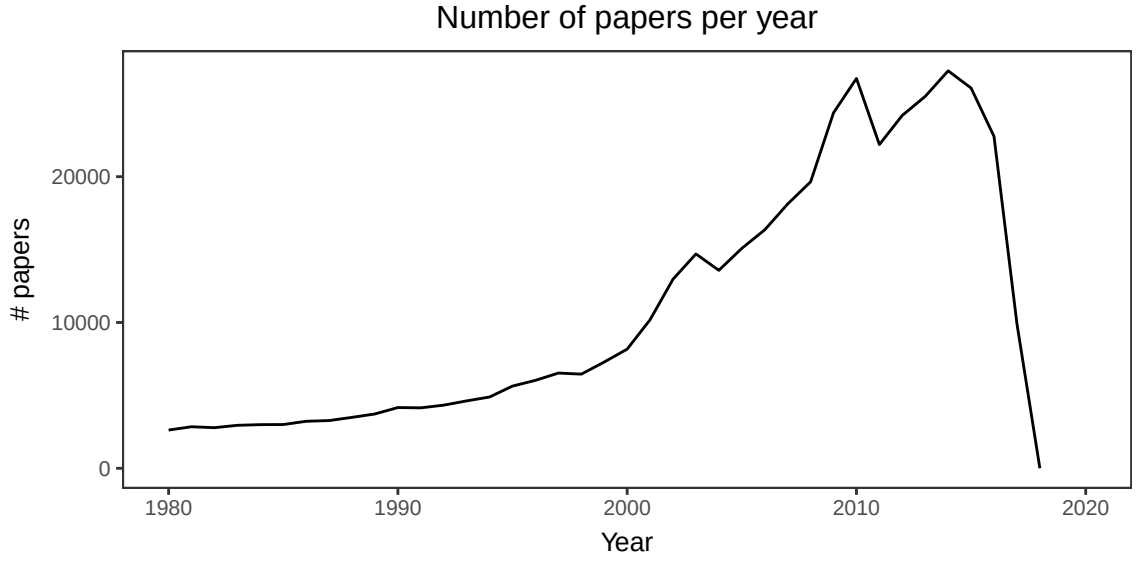
overgoor

Contents

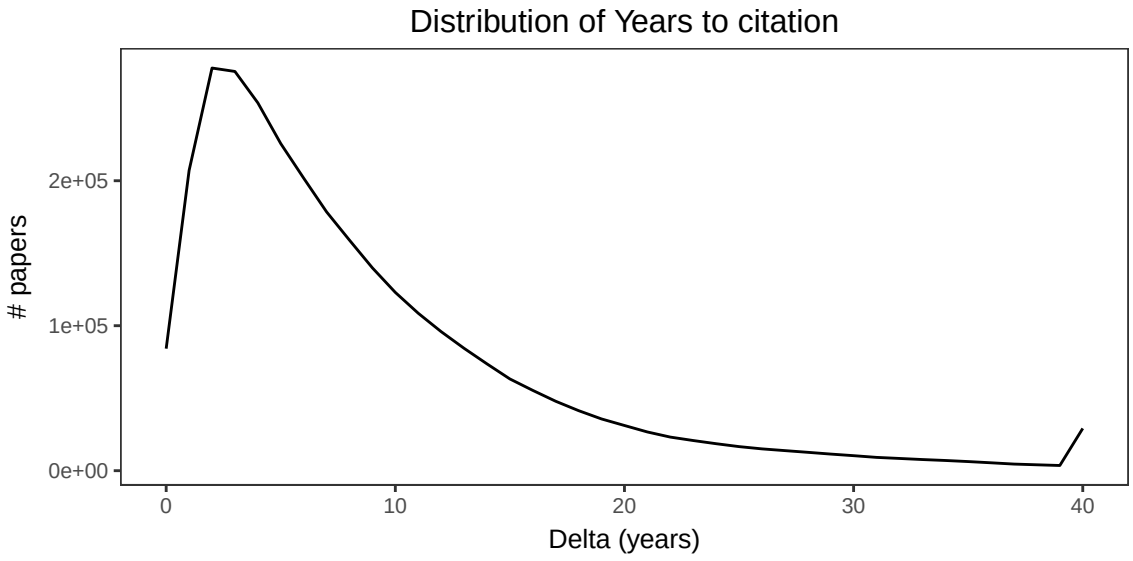
Read Data

Plots

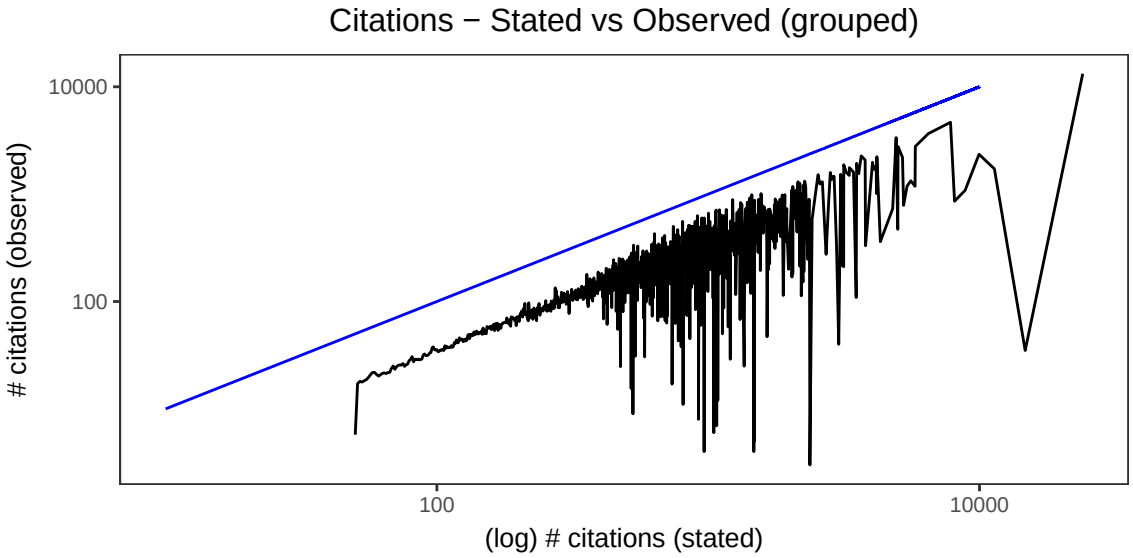
Role of Year

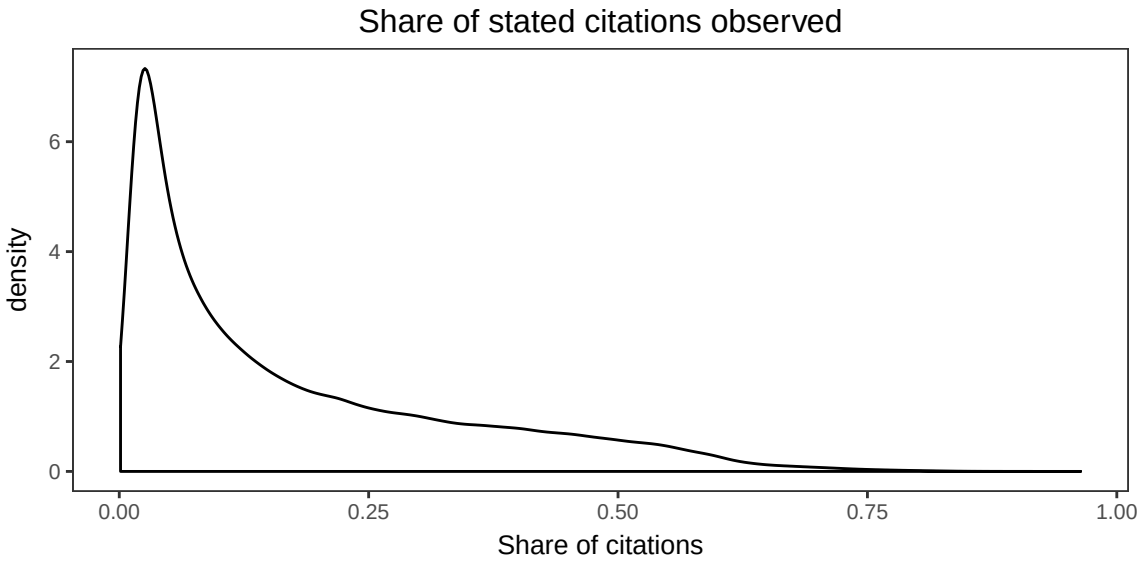


— —

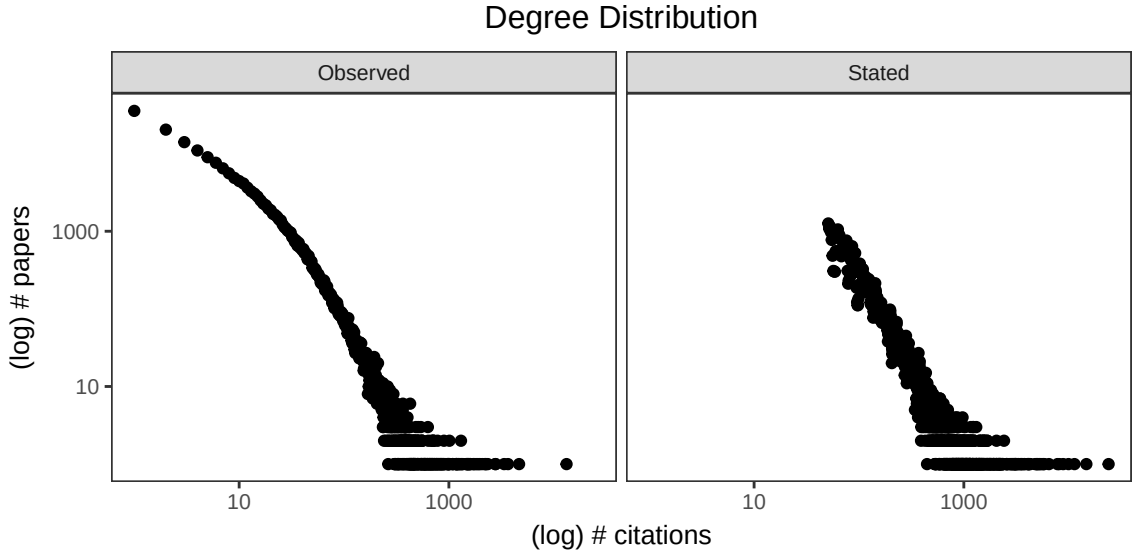


Share of citations observed

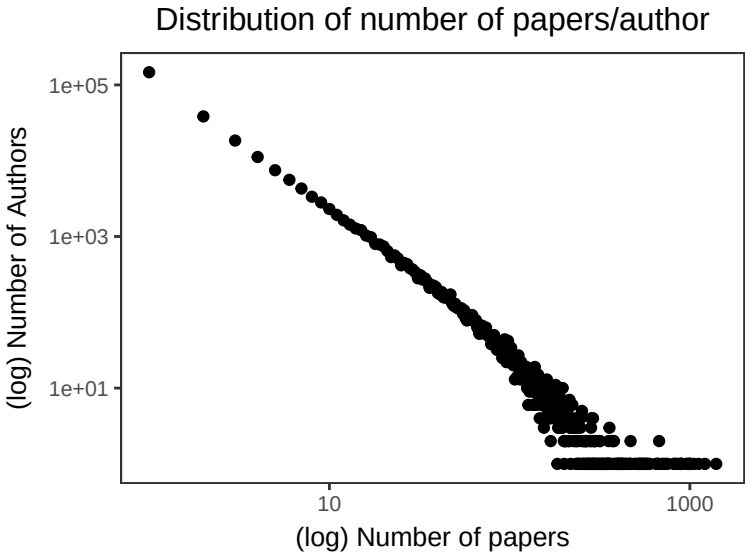




Degree distribution



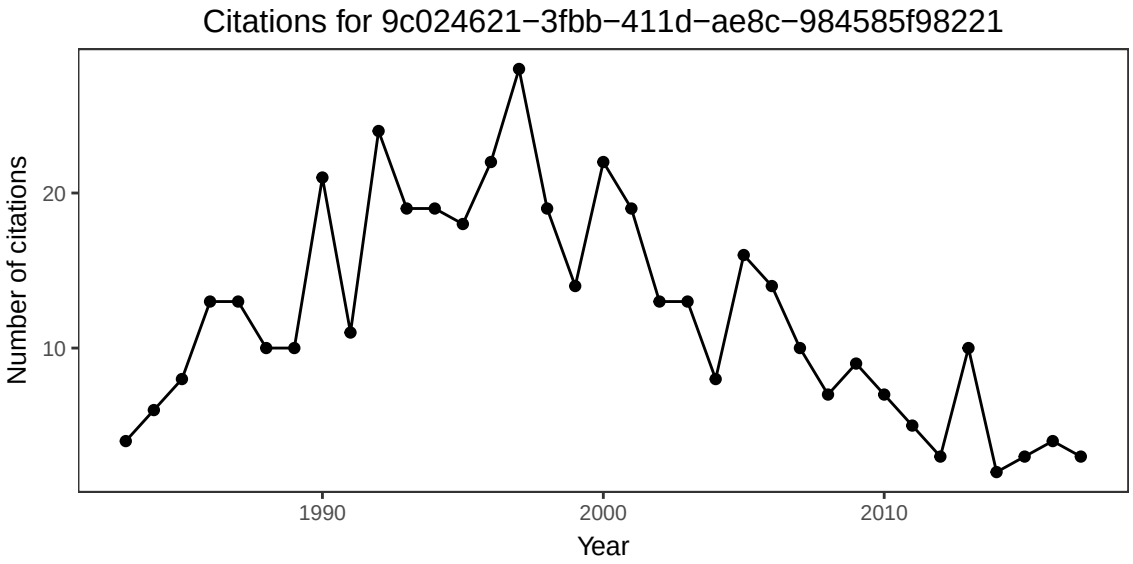
Author distribution



Keyword distribution

keywords	n
climate change	38570
seasonality	33465
pacific ocean	15323
sea surface temperature	14418
climate	14368
north america	13163
north atlantic	12576
atmospheric circulation	12270
climate variability	11833
temperature	11154

Individual paper's timeline



Model

Data construction process:

- sample 1000 citations
- for each actual citation, sample 24 non-cited papers (from before publication date)
- for each of the (paper,option) pairs, compute features (n citations, years since, has same author)

```
##
## ================================================================
##                                Dependent variable:
##                    ---------------------------------------------
##                                         y
##                          (1)         (2)         (3)         (4)
## ----------------------------------------------------------------
## log(n_citations + 1)  1.025***   1.357***   1.367***   1.384***
##                       (0.026)    (0.036)    (0.039)    (0.041)
##
## log(delta_years)               -1.107***  -1.063***  -0.935***
##                                 (0.055)    (0.060)    (0.061)
##
## has_same_author                            5.335***   4.835***
##                                            (0.329)    (0.310)
##
## n_same_keywords                                       1.650***
##                                                       (0.109)
##
## ----------------------------------------------------------------
## Observations           1,000      1,000      1,000      1,000
## Log Likelihood       -1,911.823 -1,617.338 -1,355.304 -1,243.572
## ================================================================
## Note:                                *p<0.1; **p<0.05; ***p<0.01
```