Paper Outline: Title to be decided

Introduction

[A brief introduction of the open access movement and how it has been connected to the increase of research impact]

Background

[The development of open access movement]

[Motivations of open access movement]

[Basic forms of open access: Green/Gold; open access repositories/journals]

[Copyright and business model of open access]

[Open access policy vs. open access mandate]

Research Questions

[Literature review 1 introduces Hypothesis 1: the increase of open access repositories affects the transition of conventional publishers into open access models]

RQ1: Does the growth trend of open access repositories over time correlates with publisher’s adoption of the open access publishing model?

[Literature review 2: current research on the impact of open access on research impact]

RQ2a: Does high research impact correlate with the adoption of open access model? (For journals)

RQ2b: Does the adoption of open access policy correlate with the research impact of a high education institution? (For research institutions)

Data Sources

Data source 1: Detailed information about open access journals from the Directory of Open Access Journals, current at March 2019

Data source 2: Detailed information about the open access mandates and policies in institutions from Registry of Open Access Repositories Mandates and Policies, current at March 2019

Data source 3: Journal impact factor in 2017 from Web of Science

Data source 4: The citation ranking of U.S universities from CSUR World University Rankings

Analysis

RQ1

* Operationalization:
  + the growth trend of open access repositories -> # of open access repositories over the years
  + the trend of publisher’s adoption of open access model -> # of open access journals over the years

RQ2

* Operationalization
  + Research impact of journals -> journal impact factors
  + Research impact of research institutions -> citation ranking of universities

Discussion

[validity discussion]

Conclusion

[future direction?]

Appendix