Assessing the Global Divide

Repository access from the global north and south, before and after COVID

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Section 1

Background

About the Repository Analytics and Metrics Portal (RAMP)

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Trends

- Aggregate search engine performance metrics
  - Google search properties
  - Consistent reporting across repositories and platforms
  - Longitudinal data (since 2017 for some IR)
  - No-cost, online dashboards for participating repositories
- Open datasets
  - Subset of 35 IR, Jan 1 - May 31, 2019
  - All participating IR (with consent), 2017 - 2021
  - Complete documentation is available.

Objectives

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Invite discussion about future research and the future of RAMP.

- Previous analysis of the Jan - May 2019 subset (Spring 2020: Pre-COVID!)
  - Access of IR content is unevenly distributed across IR and items
  - Users from the global south are far more likely to use mobile devices
  - Weak but significant correlation between population and access of IR content
- Redo previous analysis with more data
  - ***Identify*** COVID impact, if any, on access of IR content
  - Surface trends in RAMP data and identify external data source of research interest
  - Define research questions and invite further analysis and participation

About the present sample

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- Three years of data for 45 repositories
  - Repositories not in RAMP before January 1, 2019 excluded
  - Date range January 1, 2019 - December 31, 2021
- Limitations
  - Cannot assess or compare with longer term trends
  - Sample is not representative
    - Global regions
    - Languages
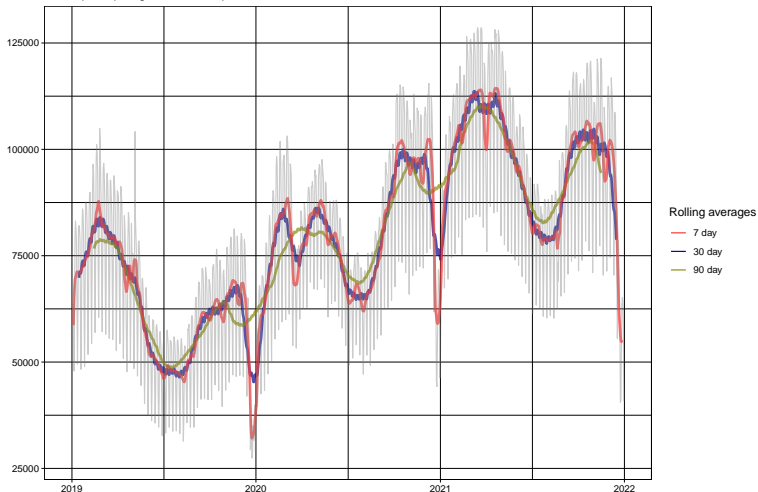 - Google Search Console API is the sole data source

Section 2

Trends

General seasonal trend (2019-2021)

Daily totals with 7 day, 30 day, and 90 day moving averages.

Total clicks per day (2019–2021)
RAMP participating institutional repositories
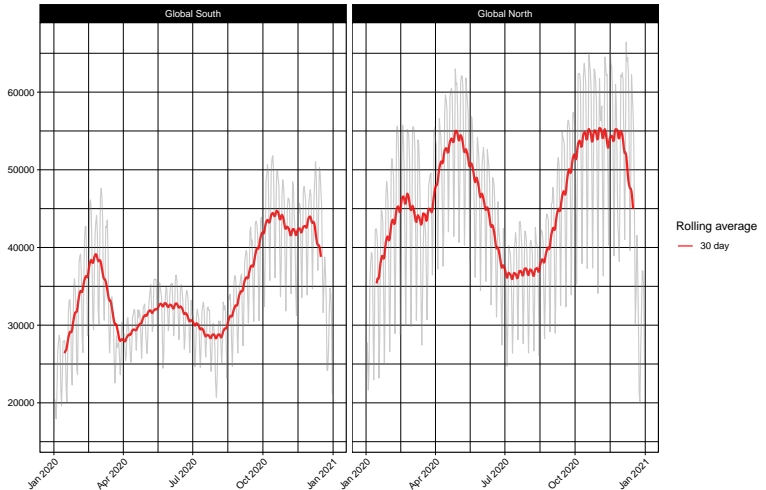
COVID disruption of seasonal trend (2020)

Daily totals with 30-day moving average.
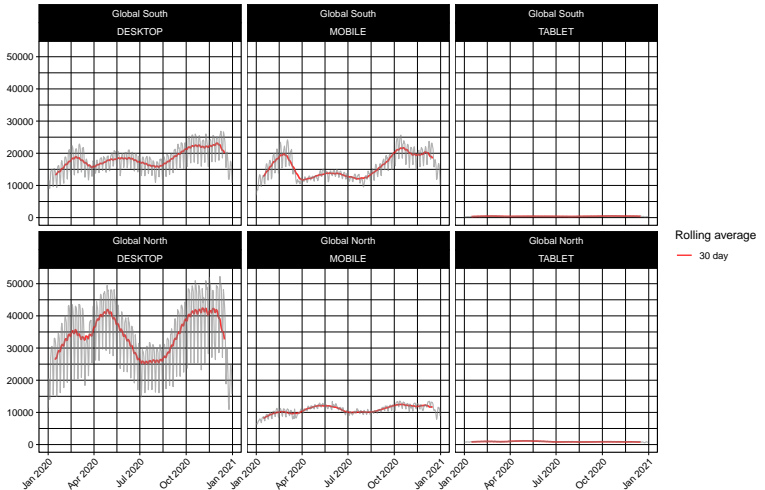

Total clicks per day (2020)
By global region

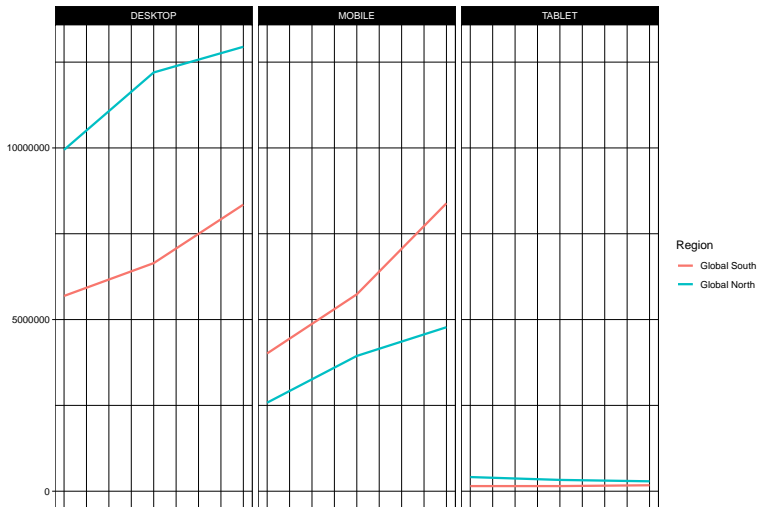# COVID 2020 disruption by device

Daily totals with 30-day moving average.

Total clicks per day (2020)
By global region and device

Overall clicks by device

Clicks by device (2019–2021)

Clicks by device, weighted by popuation (World Bank)

Clicks by device (2019–2021)
Weighted by population (per 100 people)