Draft 0.1

Allocation of Attention: Analyzing the Structure and Dynamics of Country-Level Media Attention and Production

Kevin Hu, Cesar Hidalgo

“Allocation of Media Attention: Analyzing the Structure and Evolution of Country-Level Media Attention”

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What information consumes is rather obvious: it consumes the a­ttention of its recipients. Hence, a wealth of information creates a poverty of attention and a need to allocate that attention efficiently among the overabundance of information sources that might consume it. “Designing Organizations for an Information-Rich World,” in Martin Greenberger, Computers, Communication, and the Public Interest [Baltimore, MD: The Johns Hopkins Press, 1971, 40–41]

Herbert Simon, Nobel Laureate in Economics

1. Abstract
2. Introduction
3. Materials and Methods
   1. Datasets
      1. Google News
      2. Wikipedia Edits
      3. New York Times
      4. Boston Globe
   2. Baseline Regression
      1. Panel regression
   3. Shannon entropy
      1. By exponentiation of the Shannon entropy we obtain an expression for the effective number of countries
   4. Bandwidth of Media Attention
   5. Media Attention Core
      1. Jaccard coefficient
   6. Composition
   7. Correlation of Time Series
      1. \*\*\*\*\*Clustering of correlations??? (How to illustrate on graph?)
   8. Time series analysis
      1. Autocorrelation
      2. Linear detrending
      3. Detrended fluctuation analysis
4. Results
   1. Stylized model of allocation of attention
5. Discussion
   1. ­­Competition
      1. Not simply a product of scale, where a small change in attention causes a reordering.
   2. Bands of attention
   3. Attention increasing vs. entropy increasing
6. Acknowledgments
   1. MIT UROP, Ethan Zuckerman

Literature Cited

“Designing Organizations for an Information-Rich World,” Herbert A. Simons (1969)

“Global Attention Profiles – A working paper: First steps towards a quantitative approach to the study of media attention,” Ethan Zuckerman (2003)

Media Cloud

motivate the question

discuss other alternatives

discuss limitations of data and analysis

find a story!!!