

Not News: Provision of Apolitical News in the American News Media^{*}

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Abstract

News media play a vital role in a democracy. The provision of news media increases political participation and political accountability (Gentzkow, Shapiro and Sinkinson 2015; Oberholzer-Gee and Waldfogel 2006; Snyder Jr and Strömberg 2008; Strömberg 2004). These benefits doubtlessly stem from coverage of policy-relevant or policy-maker relevant information, as opposed to, say, news about cooking, travel, and such. But we know little about the share of public affairs content in the news. To estimate the provision of public affairs programming, we collected $\sim 1.2M$ U.S. news show transcripts, spanning 2005–2017. We measured the kind of news by building a machine learning model using a large near contemporaneous labeled sample of the *New York Times* corpus. We validated the success of the classifier by hand-coding articles. The accuracy is $\sim 84.5\%$. We used the model to describe over time patterns in the provision of different kinds of news. We find that approximately 43% of television news is about public affairs, broadly construed.

^{*}Scripts behind the analysis can be downloaded at: http://github.com/notnews/what_news.

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News media is vital to a healthy democracy (Carlyle 1897). Consumption of news media increases political participation and political accountability (Gentzkow, Shapiro and Sinkinson 2015; Oberholzer-Gee and Waldfogel 2006; Snyder Jr and Strömberg 2008; Strömberg 2004). These benefits doubtlessly stem from coverage of policy-relevant and policy-maker relevant information, as opposed to, say, news about cooking, travel, and such. For, near tautologically, the lower the political content, the lower the opportunity to learn something relevant about politics and the greater the opportunity to be distracted (Prior 2003; Curran et al. 2009). For instance, the relative paucity of international news in the US news media is seen as the leading reason why the American public is relatively more ignorant about international affairs (Curran et al. 2009; Soroka et al. 2013). In all, there is a direct link between the type of news that is widely available to the public and political knowledge, political participation, and political accountability in democracies.

Given the importance of political news for democratic politics, it is vital to understand what proportion of news media content is about public affairs, how the provision of political news has changed over time, and how it varies between television and online news. In this paper, we answer these questions using a large original corpus of television and online news from the US. Our final dataset includes $\sim 600K$ television news show transcripts spanning 2009–2014 and $\sim 600k$ online news stories from 2012 to 2016.

We measure the kind of news by training a Support Vector Machine (SVM) on a very large near-contemporaneous editorially labeled sample of the *New York Times* (NYT). The out-of-sample accuracy of our classifier is 84.5%. To test its accuracy on the data we use for prediction, we hand-code 1,000 articles. The accuracy is somewhat lower but close to the out-of-sample results for NYT. We use the classifier to predict the kind of news article (segment) for the entire corpus. We find that about 32% of online news is apolitical—about style, fashion, cooking, sports, weather, and so on. The corresponding figure for television news is 43%.

In quantifying the kind of news that is provided by news media and how that has changed over time, the paper contributes to the literature on the quality of news. The data also inform

the literature on real-world media effects—how the changing nature of news may attenuate or exaggerate the effects of changes in other aspects of news production, for instance, the effect of change in the slant of political news. Since the type of news that is being broadcasted or published affects key features of participation and accountability in democratic systems, this paper also contributes to the study of the supply of relevant political information and citizens' ability to be informed.

Provision of Apolitical News

The provision of apolitical news by the news media is as old as the news media. The earliest newspapers carried news about celebrities and scandals. But the provision of such news has ebbed and flowed over time. In the earliest era of Network Television News, [Sood and Weitzel \(2020\)](#) find that such news contributed just about 5% of the news (see also [Scott and Gobetz \(1992\)](#)). There are good reasons to think that the provision of apolitical news is increasing—across media—over time. Below we highlight three factors that may contribute to a rise in apolitical news over time.

First, there is a strong demand for apolitical news ([Arceneaux and Johnson 2013; Barnhurst and Mutz 1997; Flaxman, Goel and Rao 2016](#)). People plausibly like apolitical news because it provides good conversation fodder with few conversational pitfalls. Compared to sports or celebrities, discussions about politics run the risk of unpleasantness and reputational damage. In the current times of high political polarization, such conversations can carry reputational costs for individuals. Celebrities are also critical ingredients in cultural production and feature prominently in everyday life. Hence, there is a natural interest in updates about their lives and a constant supply of these updates. Human-interest stories about celebrities, scandals, or animals are also easier to digest and demand less attention and contextual knowledge than politically, socially, and economically more consequential topics such as trade negotiations or environmental

regulations. Apolitical, soft news is hence more gratifying and less demanding than politically relevant, hard news content. Much like how consumer preferences drive partisan bias in news ([Gentzkow and Shapiro 2006; 2011](#)), in a capitalist news media system like the U.S. ([Curran et al. 2009](#)), strong demand for apolitical news ([Flaxman, Goel and Rao 2016; Guess 2016](#)) likely drives the provision of apolitical news.

Second, the conventional wisdom around the provision of political news on television in the 1950s and 1960s was that television station owners thought it in good taste to provide such a public service. But the move from privately held companies to publicly held companies, and deregulation in the media landscape, for instance, the 1996 Telecommunications Act, and the subsequent rise in competition, has likely reduced the importance of owner's tastes.

Closely related to the second point is the last point. In market-driven media landscapes, production costs, adjusted for popularity, affect what is produced. News about celebrities and turkey contests is likely cheaper to produce than sending a journalist to Pakistan or have them cover month-long negotiations in parliamentary committees. The profit motive of news organizations likely leads to greater production of cheap, apolitical news ([Cagé 2012](#)). We have reason to suspect that the incentive to switch to cheaper and more marketable soft news has only grown over time. Over the last few years, news organizations have experienced significant declines in their revenues. Newspapers, for example, saw a 62% decline in advertisement revenue, dropping from 37.8 billion USD in 2008 to 14.3 billion USD in 2019.¹ The declining income has led to smaller newsrooms, which in turn likely affect the quality of the news content an organization can produce. Between 2008 and 2019, the employment in U.S. newsroom shrunk by 23% from approx. 114,000 to about 88,000. The reduction in employment is particularly stark for newspapers, where the number of news analysts, journalists, editors, etc., dropped from 71,070 in 2008 to 34,950 in 2019, a reduction of 51%.² Sizable decreases in the size of staff and journalists work-

¹These numbers are from the [Newspapers Fact Sheet](#) of the PEW research Center on Journalism & Media.

²Data are from the April 2020 PEW Research report [U.S. newspapers have shed half of their newsroom employees since 2008](#).

ing at news organizations likely reduce the ability of these organizations to produce high-quality journalist-intensive content that qualifies as hard news. This type of work demands experience, skill, organizational resources, and time, which in understaffed and financially struggling news organizations may not be there ([Angelucci and Cagé 2019](#)).

Unsurprisingly, data suggest that between 1968 and 2019, the provision of soft news on network news—ABC, CBS, NBC—more than doubled, from roughly 5% to over 10% ([Sood and Weitzel 2020](#)). We suspect that this rise in the provision of soft news holds more broadly.

The market pressure on news organizations is large for both newer cable broadcasters and older network channels. But cable news channels, like CNN and Fox News, vie to establish themselves as specialists in news. And because of that, we expect that network news has a larger proportion of soft news than cable news channels.

The market pressure and budget constraints are larger for local channels compared to national channels. We hence expect that local news channels provide more soft news than national channels. A greater provision of soft news through local channels can also be a function of their mission. Reporting on local events such as the performance of local sports teams, graduation of high school classes, and events in towns and cities in the broadcasting area provide residents with information about their community.

Data

Our news data includes both online and television news. With the combination of two different sources of cable as well as network television news transcripts and an extensive and systematic collection of online news articles, we have a comprehensive data set of news stories between 2005 and 2017. Importantly, our data has an extensive amount of television news, still a major source of political information for most Americans ([Chaffee and Frank 1996](#)).³

³For more recent data, see [How Americans Get Their News](#), a 2014 report by the American Press Institute, and results of the [2013 Gallup Survey](#).

Our television news data comes from multiple sources. First, we acquired broadcast transcripts from the Internet Archive TV News Archive (2009–2012) ([Laohaprapanon and Sood 2017](#)) and the University of California, Los Angeles Closed Caption archive (LACC, 2005–2012) covering shows from CNBC, CNN, Current TV, Fox News, and MSNBC. To augment our data, we also scraped broadcast transcripts posted to <http://cnn.com> (2000–2014) and <http://msnbc.com> (2010–2014). In total, we have data on more than 50 television channels and 255 shows, e.g., NBC Nightly News, O'Reilly Factor, Countdown, CBS Evening News, etc. We subset the data to shows with at least 100 transcripts each. [SI 1.1](#) provides details on the number of transcripts in our combined data by show as well as the date range for each. The online news corpus is a combination of the data collected from the top 10 articles of several large news websites as well as news articles collected by us from large national and local newspapers in the US. We provide further details on each of the sources below.

The reference data set that we use to train our Machine Learning algorithm on comes from the New York Times annotated corpus ([Sandhaus 2008](#)) data set that includes over 1.8 million newspaper articles published in the NYT between 1987 and 2007. The NYT is the US's newspaper of record, and it is both well-regarded for its quality of reporting and popular among the readers. It has won more Pulitzer awards than any other newspaper, and it is the 30th most visited website in the US (as of October 2017). The NYT data set includes articles and annotated media data from the New York Times Newsroom, the New York Times Indexing Service, and the online production staff at nytimes.com, which enables us to connect the text in the article with official content labels for classification tasks.

[Table 1](#) provides a tabular overview of all data sets that we are using. Included in this overview are the four data sets we use. Two each for the analysis of TV and online news. We report the medium (TV or Web) that the data sets we analyze, the time range for which the data sets include news segments (articles on websites or shows on the TV), and the number of total news segments that the data sets have.

Table 1: Data set overview

Medium	Data set	Year		Segmentsx
		Min	Max	
TV	Internet Archive	2009	2014	462,859
TV	LACC	2005	2012	139,748
Web	Top 10	2012	2017	80,356
Web	GTown	2005	2015	496,258
				1,179,221

archive.org TV News Closed Caption Corpus

The first TV data set is from the Internet Archive. The corpus was created by scraping archive.org’s TV News Archive ([Laohaprapanon and Sood 2017](#)). The original corpus collected by us has $\sim 1.3M$ transcripts in total spanning 2009–2017. It covers major television news channels like CSPAN, Comedy Central, Fox News Channel, MSNBC, and prominent news shows like PBS NewsHour, CBS Evening News, Meet the Press, Nightline, etc. However, the corpus includes some non-English language channels⁴ and shows.⁵ We excluded them from the analysis in this paper, since we only focus on English language news. We furthermore set a cut off for the number of segments that a show needs to have in order to be included in the analysis. We only keep shows with at least 100 transcripts. After this preprocessing of the original data set the final data has 462,859 transcripts from 536 shows on 49 channels spanning 2009–2014. Programs that did not have a show title were classified as miscellaneous (Misc) in the data set.

Los Angeles Closed Caption News Archive (LACC)

The second TV data set is from the LACC and the data were collected by The University of California, Los Angeles. The corpus includes closed-caption transcripts of news broadcast on cable channels and local affiliates of national broadcasters in the Los Angeles area between 2005–2012.

⁴GAA, KDTV, KSTS, KTNC, KTSF, WFDC, WMDO, WUVP, WZDC

⁵MundoFox Y Ya, Noticias Mundo Fox, Noticias MundoFox, Noticias MundoFox con Rolando Nichols, Noticias y Mas, Famosos en la Noticia 2011, Noticias 65, Noticiero 65 Edicion Nocturna, Noticiero Uni, Noticiero Univision, Noticiero Univision Fin de Semana, Primer Impacto, Primer Impacto Extra

We once more filter this data set to include shows with at least 100 transcripts. In total, we have 139,748 transcripts covering 14 channels and 146 shows. The data includes prominent news channels like CNN, Fox News, and KCBS, and shows like Anderson Cooper 360, Fox and Friends, and 60 Minutes. (See [SI 1.1](#) for a complete list of media sources, the date ranges, and the number of transcripts per media source.)

Top 10 Web News Data

The first data set focused on online news is the Top 10 web news data set, which focuses on news articles published on websites. The data come from [Garz et al. \(2018\)](#) and span from 2012 to 2016. For 2016, the data was scraped live news sites starting July 27, 2016. The websites of Fox, Wall Street Journal, New York Times, Washington Post, Google, and Yahoo! were scraped three times daily until the day of the election, November 8. We downloaded outlets' landing pages, politics sections, and most viewed lists. For 2012, we scraped the news snapshots stored at web.archive.org, also dating between July 27 and election day of that year. In 2012, since Google and Washington Post were not available, USA Today and the Huffington Post were scraped instead. In addition to that, we also have data from USA Today and the Huffington Post for 2016. After reducing the data set to outlets with at least 1,000 downloaded news segments in total and at least 50 segments in a given year we have a final corpus for the analysis with 80,356 online news segments. Both the archive and the live data include article date, time, URL, source, headline, text, author, and keywords, and, where applicable, the current rank in the most viewed list. [SI 1.1](#) summarizes the data.

Web Corpus

The final data set we use is another web news data set. The Web Corpus data set consists of a corpus of initially $\sim 5.73m$ news articles collected from websites between 2005-2015. This Web News Corpus was built by live scraping site maps of news sites and collecting news articles

and their meta data. We reduce the data set to only include websites where we were able to collect at least 10,000 web pages. This leaves us with approx. 5.71M spanning 2003–2015. Next, we drop web pages for which we don't have a URL. Doing that leaves us with about approx. 5.44M web pages. For about 2K articles, we can't parse the domain name mostly because they have an IP address as the domain. We remove these web pages as well. This leaves us with 5,442,931 articles. Since we are only interested in the news segments specifically provided to the U.S. audience we select nine key U.S. outlets that we filter the data on. As before we only keep outlets with at least 1000k articles in total and 50 articles per year. The final, reduced Web Corpus data set then includes ~ 500k news reports from the websites of Bloomberg, Daily Kos, Houston Chronicle, NPR, Star Telegram, Stars & Stripes, The Drudge Report, Wall Street Journal, and Yahoo. The excluded websites include English language outlets of European, Afrian, and Asian news organizations, which are not relevant for the scope of this project.

What News?

The goal of this paper is it to estimate the type of news that was being broadcasted on television or published on a website. In order to do this we use machine learning to categorize the text transcripts we collected from the above mentioned sources into apolitical soft news and politically-relevant hard news. We measured the type of news by building a classifier on top of the labeled *New York Times* corpus ([Sandhaus 2008](#)). We used the category labels assigned by the editors to split the stories into the following 18 categories: Arts, Books, Business, Classifieds, Dining, Editorial, Foreign, Health, Leisure, Local, National, Obituaries (Obits), Real Estate, Science, Sports, Style, Travel, and Other. To help explain the categories, we included a few representative examples from each of the categories in Table [SI 1.14](#) —the table contains the headlines and the first 100 words.

Our interest in some categories of news—arts, books, dining, leisure, sports, style, real

estate—is instrumental. We are interested in measuring news in these categories to the extent they help us measure the larger conceptual category of interest—soft news and hard news respectively. We classified stories belonging to *Arts*, *Books*, *Classifieds*, *Dining*, *Leisure*, *Obituaries*, *Real Estate*, *Sports*, *Editorial*, and *Style* as soft news, and *Foreign News*, *National News*, *Local News*, *Business*, *Science*, and *Health* as hard news. Since the *Business*, *Science*, and *Health* categories can also include substantial sections of content that is not politically relevant we are providing rather conservative estimates of the prevalence of soft news stories in the media.⁶ The *Editorial* is an opinion- and not necessarily a fact-based category and therefore classified as soft news.⁷

To build a classifier, we first pre-processed the news articles, lemmatizing, removing ‘stop words’, and punctuation, losing all words less than two characters long, and converting all the words to lower case. We further assume a 1-, 2- Markov model of language, storing just frequency of bi-grams and tri-grams and removing order information. (See [Gentzkow and Shapiro \(2006\)](#) and [Martin and Yurukoglu \(2017\)](#), among others who have used similar assumptions in modeling similar text.) We split the data into a test-set (20%) and a training-set (80%) and trained a Support Vector Machine (SVM) ([Boser, Guyon and Vapnik 1992](#)) classifier with a linear kernel on the training set.

$$\|w\|^2 + C \sum_{i=1}^m \xi_i$$

subject to: $y_i(w \cdot x_i + b) \geq 1 - \xi_i, \xi_i \geq 0$

The out of sample accuracy for the model is approximately 84.5%. Figure 1 plots the out-of-sample confusion matrix of actual and predicted labels when we predict major topics. The

⁶The Health section of the NYT is not exclusively about hard news stories like the [Coronavirus vaccine](#) but also about soft news about [the role of exercise and diet when it comes to weight gain](#).

⁷Adding the editorial classifications to the hard news category does, however, not change the aggregate results discussed later substantially. Noticeable is that almost all show transcripts from “The O'Reilly Factor” are classified as editorial and depending on the coding decision the show would be predominantly hard or soft news.

classifier works rather well. The only noticeable deviation is occurring in categories where we have reason to suspect that content is frequently overlapping, Arts and Leisure. Table 2 gives a more detailed picture of the performance of the model. On the diagonal, in bold, are the correct out of sample classifications. The percentage indicates the share of out of sample predictions that match the actual topic. The lowest performing topic is the collection of other topics, *Other*. Important for our analysis is that except for *Local* and *National* all hard news classifications are working exceptionally well with percentages of 84% and higher. Even for *Local* (65%) and *National* (72%) there is no clear pattern of systematic misclassification into other categories. It is possible that the lower percentages in these categories are due to the heterogeneity of topics that the *New York Times* subsumes in them.⁸ All other cells in the table show the percentage of misclassification into other topics. A noticeable systematic deviation here is that 12% of *Arts* is classified as *Leisure* and 18% of *Leisure* is classified as *Arts*, which is not unexpected and given that both are clearly soft news categories inconsequential for the further analysis.

⁸Local news, for example, includes stories about [how a heroin-using professor in New York wants to change how we think about drugs](#) and national news is also about [how a pastor's son becomes a critic of religion on TikTok](#).

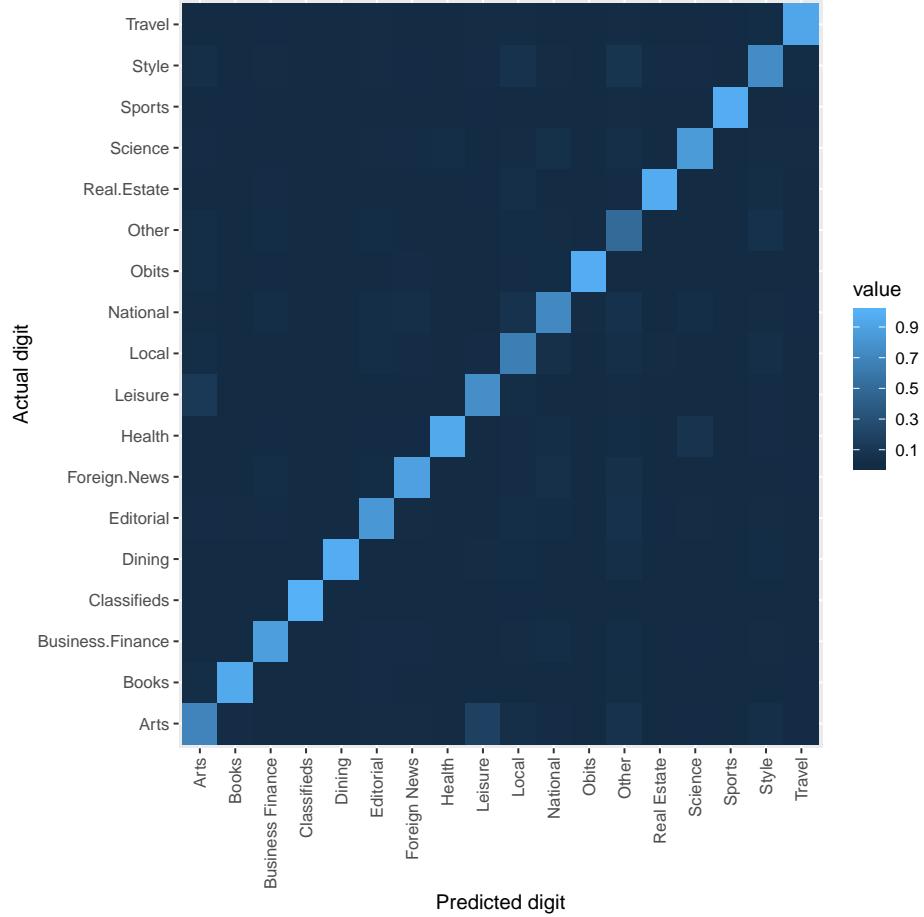


Figure 1: Out of Sample Confusion Matrix for Major Topics

Table 2: Detailed percentages of actual topic vs. out of sample predictions

Topic	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 - Arts	0.68	0.03	0.01	0.00	0.00	0.01	0.01	0.00	0.12	0.03	0.01	0.02	0.02	0.00	0.01	0.00	0.03	0.01
2 - Books	0.01	0.94	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
3 - Business/Finance	0.00	0.00	0.86	0.00	0.00	0.01	0.02	0.00	0.00	0.01	0.02	0.00	0.02	0.01	0.01	0.00	0.01	0.00
4 - Classifieds	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 - Dining	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
6 - Editorial	0.01	0.01	0.01	0.00	0.00	0.81	0.02	0.00	0.00	0.03	0.03	0.00	0.02	0.01	0.01	0.01	0.01	0.01
7 - Foreign	0.01	0.00	0.01	0.00	0.00	0.01	0.88	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.01	0.00	0.00	0.01
8 - Health	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00
9 - Leisure	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.75	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01
10 - Local	0.03	0.00	0.01	0.00	0.02	0.02	0.01	0.01	0.03	0.65	0.06	0.01	0.02	0.04	0.01	0.01	0.06	0.01
11 - National	0.01	0.00	0.02	0.00	0.00	0.02	0.04	0.02	0.00	0.05	0.72	0.02	0.01	0.00	0.04	0.01	0.01	0.00
12 - Obits	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.97	0.00	0.00	0.00	0.00	0.00	0.00
13 - Other	0.06	0.02	0.02	0.00	0.03	0.05	0.04	0.02	0.01	0.04	0.05	0.00	0.49	0.01	0.03	0.01	0.08	0.01
14 - Real Estate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.96	0.00	0.00	0.01	0.00
15 - Science	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.06	0.00	0.00	0.03	0.00	0.01	0.00	0.84	0.00	0.01	0.00
16 - Sport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
17 - Style	0.03	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.01	0.03	0.01	0.00	0.05	0.02	0.01	0.01	0.74	0.02
18 - Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.92

Validation

TODO: Validation hand coding section needs to be re-written.

Results

Our data shed light on key aspects of the production of news. We first describe net levels of provision of soft news, meaning politically non-relevant news, in our data. We then explore how the provision of soft news varies: Is the variation in provision a function of whether the broadcasting channel is cable or network or whether the segment was broadcasted during the daytime or in the evening. We also examine how the share of soft news varies between local or national shows and explore how the provision of soft news has varied over time. This analysis provides a comprehensive picture over the variation in soft news provision over time and sources and also investigates a potential driver of increased soft news production - the demand for it.

Net levels of soft news

The examination of net level provision of soft news examines what share of news is dedicated to politically relevant news or not. Here we look at the segment-, show- as well as at the channel-level: What is the average provision of soft news overall (average of all news segments over the entire time), for a given show (like “Hardball” on MSNBC or “ABC2 News at 6PM” on WMAR) or a given channel (like CNN or Fox News). We find that on US television, soft news is exceedingly frequent. Table 3 lists segment-, show-, and channel-level averages of soft news for all observations in the LACC and the Internet Archive data sets.

Table 3: Soft News Averages on Segment-, Show-, and Channel-level

Level	Mean	SD	N
Segment	0.43	0.49	603,101
Show	0.42	0.27	672
Channel	0.42	0.20	62

The net proportion of soft news stories across all broadcasted news segments is approximately 43%. The topline, however, hides a lot of variation. Across shows between 2000 and 2014, the provision of soft news varies extensively (see Figures 2 and 3 for visualizations of the

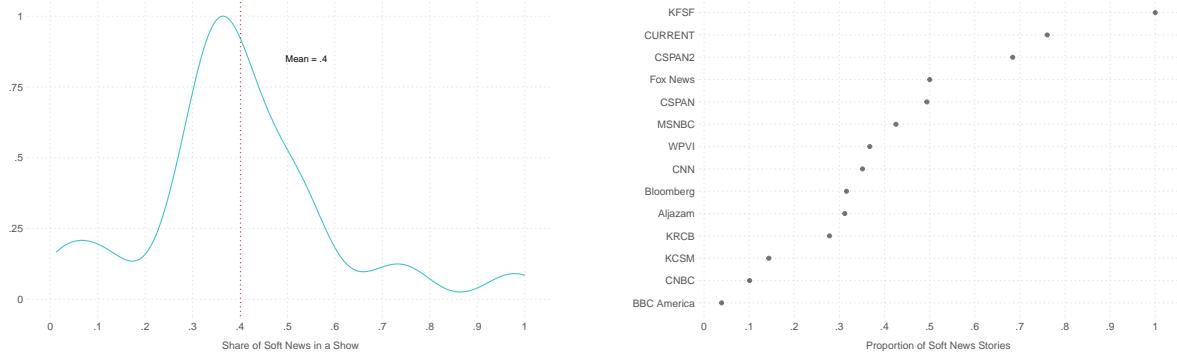
variation in the Internet Archive and LACC datasets). For instance, the mean share of soft news in the “The O'Reilly Factor” is 69% on the LACC data set and 67% in the Internet Archive while “Newshour with Jim Lehrer” has a mean share of soft news of 17% in the LACC data set. Overall, the show-level share of soft news in the data ranges from 0 (for example CNBC's “Squawk on the Street”, Internet Archive) to 1 (for example “Late Night with Jimmy Fallon”, LACC) and the standard deviation around the show-level mean of 0.42 is 0.27.⁹ The soft news average on the channel-level is also at 0.42 but the standard deviation shrinks to 0.20. Depending on the level of analysis the average soft news share on U.S. television is around 43%. As we have mentioned earlier these numbers should be taken as rather conservative measures of the actual provision of soft news since we classify all stories that fall into the New York Times categories of *Foreign News, Local News, National News, Business, Science, and Health* as hard news.

Figures 2 and 3 examine the LACC and Internet Archive separately and highlight within and across data set variation in soft news provision. The LACC data set (Figure 2a) has a slightly higher show-level average of soft news than the Internet Archive (Figure 2b). The two data sets also have different distributions of the share of soft news in their shows. The LACC data set shown in Figure 3 contains a larger number of shows with a lower share of soft news and is strongly right-skewed with a large number of high proportion soft news shows in channels like Comedy Central. The Internet Archive, on the other hand, has a lower show-level mean of soft news.

Network Vs. Cable

In a second step we examine the channel-level variation of soft news. In the previous section we already demonstrated that the average share of soft news per channel for the 62 channels in

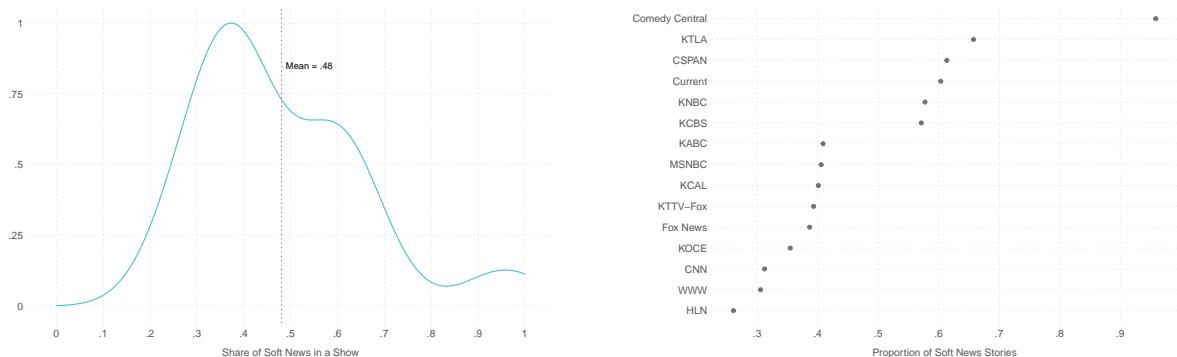
⁹Shows like “The Tonight Show with Jay Leno”, “The Late Show with David Letterman”, “Late Night with Jimmy Fallon”, “The Colbert Report”, and “The Daily Show with Jon Stewart” are included in the analysis because [Feldman and Young \(2008\)](#) have shown that these shows have obtained an increasingly important role in the provision of news in the United States.



(a) Proportion Soft News by Outlet

(b) Proportion Soft News in Some Prominent Sources

Figure 2: Proportion of Soft News on Television (Internet Archive)



(a) Proportion Soft News by Outlet

(b) Proportion Soft News in Some Prominent Sources

Figure 3: Proportion of Soft News on Television (LACC)

both data sets is 0.42 with a standard deviation of 0.20. If you focus in on the channel level, the average variation is hefty – the range is from almost no soft news (minimum is 0.01) to exclusively soft news (maximum is 1). This includes a channel-level share of soft news of 0.01 for NHK or 0.04 for BBC America at the lower end of the apolitical news provision. On the other hand, with very large shares of soft news we can find Comedy Central with a share of 0.96 and KFSF with a share of 1, meaning only soft news. This large variation between channels is not only reflected in the variation of the mean of soft news but also in the standard variation. For example, Comedy Central has a soft news mean of 0.96 with a standard deviation of 0.20. CNN, on the other hand, has a soft news mean of 0.31 with a standard deviation of 0.46. The standard deviation around the channel soft news averages mean of 0.42 is 0.20. This variation across outlets is partly explained by whether a channel in our data sets is cable¹⁰ or network¹¹. On average, cable news channels (mean = 0.38) have less soft news than network channels (mean = 0.48).

Table 4: Number of cable and network news segments in the Internet Archive and LACC data

Data set	Cable	Network	Total
Internet Archive	166,597	7,095	173,692
LACC	50,735	84,707	135,442
Total	217,332	91,802	309,134

In Table 5 we examine this relationship closer and separate out the effect of cable (such as CNN, CSPAN, MSNBC, or Bloomberg) and network news (such as ABC, CBS, NBC, and Fox). As can be seen in Table 4 the number of network segments in the Internet Archive data set is very low. Since these 7,000 news segments are also to an overwhelming majority from two TV channels (LINKTV and NHK) that do not represent the so-called “Big Three” of ABC, CBS, and NBC, which dominate the market with at least one third of the viewers tuning in to their program, we exclude the Internet Archive from the analysis in Table 5. Only the LACC data set contains a

¹⁰CNN, HLN, CNN-Headline, Comedy Central, COM, Court, CSPAN, CSPAN2, CSPAN3, Discovery, Current, ESPN, HBO, History, MSNBC, TruTV, CNN Finance, CNN International, CNN Wire, FOX News, Aljazam, BBC America, Bloomberg, CNBC, FBC.

¹¹KNBC/NBC, KCBS/CBS, KABC/ABC, KTTV-FOX/FOX, KBCW/The CW, PBS, PBS Kids, World, KC-SMMHZ/MHz, NHK World, NHK, FNX, DW-TV, Minnesota Channel, CAS, LINKTV, KOCE, KCAL, KCET.

substantial set of network news channels and also includes the “Big Three”, therefore the analysis focuses on this data set.

Table 5: Soft News on cable and network TV

	Soft News
	LACC
Constant	0.39*** (0.01)
Cable News	-0.08*** (0.01)
Outlet FE	Yes
R ²	0.06
Num. obs.	134631

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

The relationship between the soft news content in cable and network news that we saw in the overall means earlier is also reflected in Table 5. We estimate a linear regression of soft news on a dummy variable indicating whether a news segment was broadcasted on a cable or a network channel and include outlet fixed effects. This model estimates whether cable or network news segments are more likely to be about soft news. The coefficient for the cable news dummy is -0.08 and shows that cable news segments have 8 percentage points less soft news compared to network news segments. This confirms our initial expectation that the cable channels, which tried to establish themselves against the network channels with a focus on news have a lower share of soft news.

Local Vs. National

We also examine whether there is a difference in the provision of soft news between local and national news broadcasters. We combine all commercial and non-commercial as well as cable news channels listed in the previous section into the “national” category and classify any local

news broadcaster as “local”.¹² Table 6 shows that both data sets have a substantial number of national news segments but only the Internet Archive also has a large number of local news segments. It has about 60% more local than national news segments while local news are only 2% of the LACC data set and all come from one channel. The analysis in Table 7 will hence focus on the Internet Archive data set. However, an analysis of the LACC data in Table SI 1.22 confirms the findings as well.

Table 6: Number of national and local news segments in the Internet Archive and LACC data

Data set	National	Local	Total
Internet Archive	173,692	289,167	462,859
LACC	138,046	2,196	140,242
Total	311,738	291,363	603,101

Table 7 presents the results of one model. As before, the dependent variable is the soft news classification of a given news segment. The independent variable is a dummy variable indicating whether a given news segment was broadcasted on a local or on a national channel. We again include channel fixed effects. Column 1 shows the analysis of the Internet Archive data set. In this case the results indicate that local news channels carry more soft news than national channels. In the Internet Archive data set the share of soft news in local news segments is five percentage points higher than in national news. National news broadcasts are significantly less likely to include soft news stories compared to local news broadcasts. We hence find that local news have a larger share of soft news than national channels. We suspect that this difference is a function of lack of resources to produce higher quality news content as well as the mission of local news channels to serve their community which might necessitate a larger proportion of apolitical news to include reporting about events and affairs in the community.

¹²In our data set these local channels are: KTLA, KTTV, KCSM, KFSF, KGO, KICU, KNTV, KOFY, KPIX, KQED, KQEH, KRCB, KRON, KTLN, KTVU, KYW, SFGTV, SFGTV2, WBAL, WBFF, WETA, WGN, WHUT, WJLA, WJZ, WMAR, WMPT, WNUV, WPVI, WRC, WTTG, and WUSA.

Table 7: Soft News on local and national TV

	Soft News Internet Archive
Constant	0.31*** (0.00)
Local Channel	0.05*** (0.01)
Outlet FE	Yes
R ²	0.06
Num. obs.	458164

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Daytime Vs. Evening

In a next step we examine if the provision of soft news is a function of the time of day. Do we see variation in the proportion of soft news between daytime and nighttime news broadcasts? Here we are operationalizing the time of day into two categories. Shows that start at 6am and end before 6pm are classified as daytime shows. Shows that start at 6pm and end before 6am are evening or nighttime shows. For nationally broadcasted television the East Coast time was used as the reference point for the classification. Local news were classified based on the broadcasting time in their time zone. News shows that appeared repeatedly over the course of a day are dropped from the analysis since we cannot associate a specific news transcript with the time of day during which it was broadcasted. We also are not able to account for, for example, late night reruns of daytime news shows. However, TV viewing during times in which TV channels run daytime or evening shows again are usually so small that the effect of those on the public should be negligible.

In Table 8 we can see that both data sets have a substantial amount of news segments that are being broadcasted during the day and in the evening/night. In the Internet Archive the split is almost equal, while in the LACC evening news segments are in a small majority. Overall, 48.6%

of the news segments were broadcasted during the day between 6am and 6pm and 51.4% were broadcasted during the evening/night between 6pm and 6am.

Table 8: Number of evening and daytime news segments in the Internet Archive and LACC data

Data set	Evening	Daytime	Total
Internet Archive	157,179	157,447	314,626
LACC	69,968	57,418	127,386
Total	227,147	214,865	442,012

Table 9 presents the results of an airtime analysis for news shows in the LACC and the Internet Archive data sets. On average daytime news appear to have a lower share of soft news than evening/night news. The airtime effects are consistent across data sets. Daytime segments in the LACC data have eleven percentage points less soft news than evening or night news and daytime segments in the Internet Archive have eight percentage points less. These effects are robust over time and hold even after controlling for overtime variation as Table SI 1.18 in the SI show.

Table 9: Soft News during the day

	Soft News	
	LACC	Internet Archive
Constant	0.41*** (0.00)	0.49*** (0.01)
Daytime	-0.11*** (0.00)	-0.08*** (0.00)
Outlet FE	Yes	Yes
R ²	0.06	0.08
Num. obs.	127206	314504

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Over Time

Lastly, we estimate how the provision of apolitical news has changed over time. Our data range from 2005 to 2017, which is a relatively short time series, especially with regard to key transformative events of the media landscape in the United States. However, we can nevertheless examine whether shifts have occurred in the decade we have data for. We will examine time shifts by running regression models with scaled year variables for both TV and web data.

Table 10: Soft News over time

	Soft News			
	LACC	Archive	Top10	Web Corpus
Constant	0.26*** (0.00)	0.29*** (0.01)	0.43*** (0.01)	0.15*** (0.00)
Year	0.09*** (0.01)	0.02*** (0.00)	0.03*** (0.01)	0.02*** (0.00)
Outlet FE	Yes	Yes	Yes	Yes
R ²	0.06	0.06	0.07	0.11
Num. obs.	139748	462859	80356	496258

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

Table 10 presents the regression models for the Archive and LACC (both TV) and Top 10 and Web Corpus (Web) sources. The dependent variable is once more the soft news classification of a given news segment and the independent variable is a scaled year variable. As before we include outlet (channel or website) fixed effects. For the TV analysis in both cases the year effect is positive, meaning that more recent years had on average more soft news content: TV news good more apolitical over time. However, the size of the change in the share of apolitical news in television differs across the data sets. While the news segments in the LACC data saw a nine percentage point increase over time the segments in the Internet Archive only saw an average increase by two percentage points over time. The analysis of the web data produces similar results. The share of soft news in the Top 10 web news data set also increased over time. Column

3 in Table 10 shows a coefficient of 0.03, indicating that there was a three percentage point increase over time. The Web Corpus, very similarly, shows a two percentage point increase over time. The results presented are for the disaggregated web and TV data. We present the change over time in each individual data set. In Table SI 1.21 the aggregated analysis for TV and Web can be found, the results remain similar and support the conclusion that TV news has become increasingly apolitical over the last decade while online news saw a different trend.

Demand for Soft News

TODO: Demand for Soft News Analysis based on transition of articles from a website into the top 10 ranking of the website needs to be redone.

Discussion

In this paper we estimate the provision of public affairs programming by estimating the share of soft news provided in approximately 1.9M U.S. news segments aired or published between 2005–2017. We find evidence confirming the results of [Sood and Weitzel \(2020\)](#): the share of soft news provided on Television has increased over time. over time patterns in the provision of different kinds of news. We find that approximately 43% of television news is about public affairs, broadly construed. In our analysis we go even further and also examine possible sources of variation in the provision of soft news. For example, not all channels are equal. Cable news as well as local news channels provide more soft news than network channels or national channels respectively. Additionally, we are also able to compare the type of news provided on the TV with online news on key websites in the United States. Here we find that TV and online sources provide somewhat similar net averages of soft news over time. However, the online sources in our analysis appear to increase their share of hard news in the recent years.

In the paper, we deliberately focused on a narrow, relatively uncontroversial conception of quality of news, as judged by its impact on democracy—the share and volume of news about public affairs in the news media. We sidestepped issues about the quality of public affairs programming, which are, if anything, more critical. The fears about news media are that the news has become more sensationalist, more episodic, less original—makes more extensive use of wire stories or reporting by a few news media companies, less well sourced—citing fewer sources and worse quality sources, etc. We also expect news media to maintain fewer foreign news bureaus ([Schudson and Tiffet 2005; Shanor 2013](#)). And we would also expect some other aspects of quality of news—correctness, thoroughness—to have gone down as news media companies reduce the number journalists on staff, force staff journalists to produce more news articles, and turn to freelancers for reporting.

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SI 1 Supporting Information

SI 1.1 Summary of the Media Data

A complete list of sources from which we collected articles, the range of dates for which we have data from each, and the number of articles.

Table SI 1.11: Top 10 - Summary Statistics by Category

Source	Category	Start Date	End Date	Total
Fox News	Homepage	2012-07	2016-11	107114
Fox News	Top	2012-07	2016-11	18386
Fox News	Politics	2012-07	2016-11	12745
Google	Homepage	2016-07	2016-11	83515
Google	Top	2016-07	2016-11	4641
Huffington Post	Homepage	2012-07	2016-11	225280
Huffington Post	Top	2012-07	2016-11	14170
Huffington Post	Politics	2012-07	2016-11	25124
New York Times	Homepage	2012-07	2016-11	100184
New York Times	Top	2012-07	2016-11	16988
New York Times	Politics	2012-07	2016-11	3511
USA Today	Homepage	2012-07	2016-11	70585
USA Today	Top	2012-07	2016-11	10335
USA Today	Politics	2016-07	2016-11	6486
Wall Street Journal	Homepage	2012-07	2016-11	216557
Wall Street Journal	Top	2012-07	2016-11	23105
Wall Street Journal	Politics	2012-07	2012-11	6363
Washington Post	Homepage	2016-07	2016-11	29752
Washington Post	Top	2016-07	2016-11	4975
Washington Post	Politics	2016-07	2016-11	8833
Yahoo!	Homepage	2012-07	2016-11	68182
Yahoo!	Top	2012-07	2016-11	12512
Yahoo!	Politics	2016-07	2016-11	5578

Table SI 1.12: LACC - Summary Statistics

Channel	Program	Start Date	End Date	Total
CNN	American Morning	2006-09	2012-02	1218
CNN	Anderson Cooper 360	2006-09	2012-02	2309
CNN	Debate/Caucus/Primary/Hearing/Campaign	2007-11	2012-02	318
CNN	Election Center	2008-02	2010-07	631
CNN	Erin Burnett Out Front	2011-10	2012-02	104
CNN	Fareed Zakaria GPS	2008-06	2012-02	219
CNN	In the Arena	2011-02	2011-09	115
CNN	John King USA	2010-03	2012-02	446
CNN	Larry King	2006-09	2011-07	1362
CNN	Late Edition Wolf Blitzer	2006-10	2009-01	155
CNN	Live Event	2006-10	2011-09	310
CNN	Lou Dobbs Tonight	2006-09	2009-11	582
CNN	Nancy Grace	2007-10	2010-12	813
CNN	Newsroom	2006-09	2012-02	8233
CNN	Parker Spitzer	2010-10	2011-02	100
CNN	Piers Morgan Tonight	2011-01	2012-02	298
CNN	Presents	2006-10	2012-02	102
CNN	Reliable Sources	2006-10	2012-02	214
CNN	Ricks List	2010-01	2010-10	377
CNN	Situation Room	2006-09	2012-02	3236
CNN	Tonight	2009-11	2011-07	103
CNN	Your World Today	2006-09	2012-02	521
ComedyCentral	Colbert Report	2006-10	2012-02	1056
ComedyCentral	Daily Show	2006-10	2012-02	1053
CSPAN	Debate/Caucus/Primary/Hearing/Campaign	2007-05	2012-02	420
CSPAN	Other	2006-07	2012-02	570
CSPAN	President Obama	2009-01	2012-02	394
CSPAN	Road to White House	2007-05	2008-11	112
CSPAN2	Debate/Caucus/Primary/Hearing/Campaign	2007-05	2010-07	106
CSPAN2	Other	2007-10	2012-01	176
Fox News	Americas Election HQ	2008-04	2009-01	180
Fox News	Fox and Friends	2009-10	2012-02	1232
Fox News	Fox News	2006-09	2012-02	2432
Fox News	Fox Online	2006-09	2012-02	1215
Fox News	Glenn Beck	2009-01	2012-01	772

Table SI 1.12: LACC - Summary Statistics (*continued*)

Channel	Program	Start Date	End Date	Total
Fox News	Hannity	2009-01	2012-02	861
Fox News	Hannity and Colmes	2006-09	2009-01	403
Fox News	On the Record	2006-09	2012-02	1207
Fox News	Report with Shepard Smith	2006-09	2012-02	1211
Fox News	Special Report	2006-09	2012-02	1213
Fox News	Studio B With Shepard Smith	2009-11	2012-02	603
Fox News	The Half Hour News Hour	2007-05	2011-09	204
Fox News	The O'Reilly Factor	2006-09	2012-02	1203
HLN	CNN In Session	2011-10	2011-11	239
HLN	Nancy Grace	2010-12	2012-02	313
KABC	20-20	2006-09	2012-02	344
KABC	7 News	2010-12	2012-02	313
KABC	ABC World News	2005-01	2012-02	461
KABC	Eyewitness News	2005-01	2012-02	8265
KABC	Good Morning America	2006-01	2012-02	2650
KABC	Jimmy Kimmel Live	2006-10	2012-03	1113
KABC	Live With Regis and Kelly	2006-07	2012-02	1224
KABC	Nightline	2005-01	2012-02	1636
KABC	Oprah Winfrey	2006-09	2011-09	1147
KABC	Other	2005-01	2012-01	146
KABC	The Doctor Oz Show	2011-09	2012-02	117
KABC	The View	2006-07	2012-02	1224
KABC	This Week	2006-10	2012-02	234
KABC	World News	2005-01	2012-02	1626
KCAL	9 News	2005-01	2012-02	2573
KCAL	Inside Edition	2006-09	2012-02	1220
KCBS	48 Hours	2006-09	2012-02	338
KCBS	60 Minutes	2005-01	2012-02	330
KCBS	CBS News	2006-05	2012-02	8233
KCBS	Entertainment Tonight	2006-07	2012-02	1393
KCBS	Face the Nation	2006-10	2012-02	247
KCBS	Late Late Show with Craig Ferguson	2006-07	2012-03	1219
KCBS	Late Show with Dave Letterman	2006-07	2012-02	1221
KCBS	The Early Show	2006-07	2012-02	2436
KCBS	The Insider	2006-10	2012-02	1374

Table SI 1.12: LACC - Summary Statistics (*continued*)

Channel	Program	Start Date	End Date	Total
KNBC	Access Hollywood	2006-07	2012-02	1210
KNBC	Channel 4 News	2005-01	2012-02	6105
KNBC	Chris Matthews	2006-10	2011-12	188
KNBC	Dateline NBC	2006-09	2012-02	728
KNBC	Early Today	2005-01	2006-09	500
KNBC	EXTRA	2006-07	2012-02	1206
KNBC	Late Night with Conan O'Brien	2006-09	2009-02	424
KNBC	Late Night with Jimmy Fallon	2009-03	2012-03	766
KNBC	Meet the Press	2005-01	2011-09	263
KNBC	NBC Nightly News	2006-07	2012-02	1639
KNBC	NBC Today Show Sunday	2008-03	2012-02	208
KNBC	News	2011-09	2012-02	111
KNBC	News Conference	2007-10	2012-02	235
KNBC	Saturday Night Live	2006-10	2012-02	274
KNBC	The Ellen DeGeneres Show	2006-07	2012-02	1138
KNBC	The Jay Leno Show	2009-09	2010-02	112
KNBC	Today Show	2006-07	2012-02	3607
KNBC	Tonight Show with Conan O'Brien	2009-06	2010-02	188
KNBC	Tonight Show with Jay Leno	2006-10	2012-02	993
KOCE	Al Jazeera English News	2011-02	2012-02	750
KOCE	BBC World News	2005-10	2012-02	1575
KOCE	Bill Moyers Journal	2007-05	2010-08	152
KOCE	Charlie Rose	2006-10	2012-03	1195
KOCE	Frontline	2006-10	2012-02	226
KOCE	IBA News	2011-03	2012-02	249
KOCE	Life and Times	2006-09	2008-02	161
KOCE	McLaughlin Group	2006-10	2012-02	239
KOCE	Newshour with Jim Lehrer	2005-10	2011-09	1169
KOCE	NHK Newsline	2011-01	2012-02	290
KOCE	Nightly Business Report	2006-10	2010-12	911
KOCE	Tavis Smiley	2006-09	2012-02	1221
KOCE	The PBS Newshour	2011-09	2012-02	106
KTLA	Jerry Springer Show	2006-10	2010-02	598
KTLA	Prime News	2006-09	2012-02	1213
TTV	A Current Affair	2005-06	2006-09	436

Table SI 1.12: LACC - Summary Statistics (*continued*)

Channel	Program	Start Date	End Date	Total
KTTV	Americas Most Wanted	2006-10	2012-02	238
KTTV	Montel Williams Show	2006-09	2008-12	314
KTTV	Morning News	2005-01	2012-02	2375
KTTV	News with Chris Wallace	2005-06	2012-02	299
KTTV	Ten O'Clock News	2005-01	2012-02	1814
MSNBC	1600 Pennsylvania Avenue	2008-11	2009-04	108
MSNBC	Cenk Uygur	2011-01	2012-02	286
MSNBC	Countdown with Keith Olbermann	2006-09	2012-02	1042
MSNBC	Debate/Caucus/Primary/Hearing/Campaign	2007-05	2012-02	149
MSNBC	Hardball with Chris Matthews	2006-09	2012-02	1191
MSNBC	News	2006-09	2012-02	2642
MSNBC	Race For The White House	2008-03	2008-11	162
MSNBC	The Abrams Report	2007-10	2008-08	183
MSNBC	The Daily Rundown	2010-01	2012-02	556
MSNBC	The Ed Show	2009-04	2012-02	756
MSNBC	The Last Word With Lawrence O'Donnell	2010-12	2012-02	309
MSNBC	The Rachel Maddow Show	2008-09	2012-02	870
MSNBC	Tucker Carlson	2006-10	2008-03	169
WWW	Democracy Now	2005-01	2012-02	1671
WWW	NRK	2011-07	2011-07	129
WWW	Russia Today	2008-08	2012-01	903

Table SI 1.13: Archive CC - Show-Level Summary Statistics

Channel	Show	Start Date	End Date	Total
Aljazam	America Tonight	2013-08	2014-08	797
Aljazam	Consider This	2013-08	2014-08	868
Aljazam	Fault Lines	2013-08	2014-08	279
Aljazam	Inside Story	2013-08	2014-08	750
Aljazam	Listening Post	2013-08	2014-06	118
Aljazam	News	2013-08	2014-08	4440
Aljazam	Real Money With Ali Velshi	2013-08	2014-08	718
Aljazam	Talk to Al Jazeera	2013-08	2014-08	258
Aljazam	TechKnow	2013-08	2014-08	280
Aljazam	The Stream	2013-08	2014-08	657
BBC America	BBC World News	2014-02	2014-08	231
Bloomberg	Bloomberg Bottom Line	2014-02	2014-08	115
Bloomberg	Bloomberg Surveillance	2013-12	2014-08	160
Bloomberg	Bloomberg West	2013-12	2014-08	650
Bloomberg	Charlie Rose	2013-12	2014-08	393
Bloomberg	Countdown	2013-12	2014-08	158
Bloomberg	In the Loop With Betty Liu	2013-12	2014-08	160
Bloomberg	Lunch Money	2013-12	2014-05	196
Bloomberg	Market Makers	2013-12	2014-08	160
Bloomberg	On the Move	2013-12	2014-08	160
Bloomberg	Political Capital With Al Hunt	2013-12	2014-08	225
Bloomberg	Taking Stock With Pimm Fox	2013-12	2014-08	284
Bloomberg	The Pulse	2013-12	2014-08	159
CNBC	60 Minutes on CNBC	2012-10	2014-08	240
CNBC	Closing Bell	2009-09	2014-08	700
CNBC	Closing Bell With Maria Bartiromo	2009-12	2013-11	414
CNBC	Mad Money	2009-07	2012-08	500
CNBC	Power Lunch	2009-07	2012-08	354
CNBC	Squawk Box	2009-09	2014-08	685
CNBC	Squawk on the Street	2009-09	2014-08	546
CNBC	The Call	2009-09	2010-05	110
CNBC	The Kudlow Report	2009-09	2014-03	567
CNBC	Worldwide Exchange	2009-08	2014-08	602
CNN	AC 360 Later	2013-09	2014-02	103
CNN	AM Wake Up Call	2011-06	2012-01	260

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
CNN	American Morning	2009-07	2012-02	513
CNN	Anderson Cooper 360	2009-07	2014-08	4333
CNN	Anderson Cooper Special Report	2013-04	2014-07	191
CNN	Around the World	2013-02	2014-02	279
CNN	Campbell Brown	2009-07	2010-07	249
CNN	CNN Newsroom	2009-07	2014-08	10182
CNN	CNN Presents	2009-08	2014-01	470
CNN	CNN Saturday Morning	2009-07	2014-03	508
CNN	CNN Sunday Morning	2009-07	2012-03	145
CNN	Crossfire	2013-09	2014-07	231
CNN	Early Start	2012-01	2014-03	685
CNN	Erin Burnett OutFront	2011-10	2014-08	1691
CNN	Fareed Zakaria GPS	2009-07	2014-08	568
CNN	In the Arena	2011-03	2011-08	109
CNN	John King USA	2010-03	2012-06	711
CNN	Larry King Live	2009-07	2011-01	1521
CNN	New Day	2013-06	2014-08	319
CNN	Parker Spitzer	2010-10	2011-03	176
CNN	Piers Morgan Live	2013-03	2014-03	700
CNN	Piers Morgan Tonight	2011-01	2013-03	3088
CNN	Reliable Sources	2010-02	2014-08	265
CNN	Sanjay Gupta MD	2009-12	2014-08	468
CNN	Starting Point	2012-01	2013-06	430
CNN	State of the Union	2010-01	2014-01	521
CNN	The Lead With Jake Tapper	2013-03	2014-08	407
CNN	The Situation Room	2012-06	2014-08	786
CNN	The Situation Room With Wolf Blitzer	2009-07	2012-05	797
CNN	Weekend Early Start	2012-03	2013-06	260
CNN	Wolf	2014-02	2014-08	121
CNN	World Business Today	2011-01	2012-03	451
CNN	Your Bottom Line	2009-07	2013-04	188
CNN	Your Money	2009-07	2014-07	605
COM	The Colbert Report	2011-05	2014-08	2830
COM	The Daily Show With Jon Stewart	2011-05	2014-08	2843
CSPAN	American Perspectives	2009-07	2011-07	192

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
CSPAN	First Ladies Influence Image	2013-02	2014-02	126
CSPAN	Key Capitol Hill Hearings	2013-10	2014-08	1920
CSPAN	Misc	2009-06	2014-03	1733
CSPAN	Newsmakers	2009-07	2014-08	494
CSPAN	Politics Public Policy Today	2012-06	2013-10	519
CSPAN	Public Affairs	2012-10	2013-10	588
CSPAN	Q A	2012-06	2014-08	346
CSPAN	The Communicators	2009-07	2014-08	249
CSPAN	Washington Journal	2009-07	2014-08	1807
CSPAN	Washington This Week	2012-06	2014-08	796
CSPAN2	After Words	2013-10	2014-08	212
CSPAN2	Book TV	2009-07	2014-08	7410
CSPAN2	Book TV After Words	2009-07	2013-09	688
CSPAN2	Close Up	2009-07	2012-10	117
CSPAN2	Key Capitol Hill Hearings	2013-10	2014-08	2311
CSPAN2	Misc	2009-06	2014-07	1599
CSPAN2	The Communicators	2009-07	2014-08	347
CSPAN2	US Senate	2010-01	2014-07	899
CSPAN3	Key Capitol Hill Hearings	2013-11	2014-08	342
CSPAN3	Misc	2012-01	2012-07	5374
CSPAN3	Politics Public Policy Today	2013-11	2014-08	239
CURRENT	Countdown With Keith Olbermann	2012-01	2012-03	149
CURRENT	Full Court Press	2012-03	2013-08	344
CURRENT	Liberally Stephanie Miller	2012-03	2013-08	375
CURRENT	The War Room	2013-02	2013-08	102
CURRENT	The War Room With Jennifer Granholm	2012-01	2012-08	327
CURRENT	The Young Turks With Cenk Uygur	2012-01	2013-08	634
CURRENT	Viewpoint	2013-01	2013-08	135
CURRENT	Viewpoint With Eliot Spitzer	2012-04	2013-01	340
FBC	Bulls and Bears	2012-08	2014-08	189
FBC	Cashin In	2012-08	2014-08	183
FBC	Cavuto	2012-08	2014-08	1499
FBC	Cavuto on Business	2012-08	2014-08	186
FBC	Countdown to the Closing Bell	2012-08	2014-02	374
FBC	Forbes on FOX	2012-08	2014-08	183

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
FBC	FOX Business After the Bell	2012-08	2013-10	295
FBC	Lou Dobbs Tonight	2012-08	2014-08	1478
FBC	Markets Now	2012-08	2014-03	758
FBC	MONEY With Melissa Francis	2012-08	2014-08	834
FBC	Stossel	2012-08	2014-08	561
FBC	The Willis Report	2012-08	2014-08	1229
FBC	Varney Company	2012-08	2014-08	489
Fox News	America Live	2010-02	2013-09	1088
Fox News	Americas News Headquarters	2011-07	2014-08	1769
Fox News	Americas News HQ	2009-07	2011-06	466
Fox News	Americas Newsroom	2009-07	2014-08	1406
Fox News	Bulls and Bears	2009-07	2014-08	282
Fox News	Cashin In	2009-07	2014-08	398
Fox News	Cavuto on Business	2009-07	2014-08	341
Fox News	Forbes on FOX	2009-07	2014-08	335
Fox News	FOX and Friends	2009-07	2014-08	1461
Fox News	FOX and Friends First	2012-03	2014-08	680
Fox News	FOX and Friends Saturday	2009-10	2014-08	186
Fox News	FOX and Friends Sunday	2009-10	2014-08	189
Fox News	FOX News Sunday With Chris Wallace	2009-07	2014-08	957
Fox News	FOX News Watch	2009-07	2013-11	576
Fox News	FOX Report	2009-07	2014-08	530
Fox News	Geraldo at Large	2009-07	2014-07	891
Fox News	Glenn Beck	2009-07	2011-07	1053
Fox News	Greta Van Susteren	2009-07	2014-01	2539
Fox News	Hannity	2009-07	2014-08	3056
Fox News	Happening Now	2009-07	2014-08	1489
Fox News	Huckabee	2009-07	2014-08	1429
Fox News	MediaBuzz	2013-09	2014-08	136
Fox News	On the Record With Greta Van Susteren	2014-01	2014-08	280
Fox News	Red Eye	2009-07	2014-08	1839
Fox News	Shepard Smith Reporting	2013-10	2014-08	199
Fox News	Special Report With Bret Baier	2009-07	2014-08	2382
Fox News	Stossel	2011-05	2014-08	375
Fox News	Studio B With Shepard Smith	2009-07	2013-10	910

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
Fox News	The Five	2011-07	2014-08	1908
Fox News	The FOX Report With Shepard Smith	2009-07	2013-10	1312
Fox News	The Journal Editorial Report	2009-07	2014-08	654
Fox News	The Kelly File	2013-10	2014-08	432
Fox News	The Live Desk	2009-07	2011-04	109
Fox News	The O'Reilly Factor	2009-07	2014-08	4083
Fox News	The Real Story With Gretchen Carlson	2013-09	2014-08	200
Fox News	Your World With Neil Cavuto	2009-07	2014-08	1492
HLN	HLN News	2009-07	2010-05	305
HLN	Nancy Grace	2009-07	2010-05	879
HLN	Prime News	2009-07	2010-05	294
KBCW	Bay Area Focus With Susan Sikora	2010-07	2014-02	121
KBCW	CBS 5 Eyewitness News at 10pm	2010-07	2012-09	438
KBCW	CBS 5 Eyewitness News on the CW 44	2012-09	2013-02	154
KBCW	Eyewitness News Weekend Edition	2010-07	2013-02	195
KBCW	KPIX 5 News on the CW	2013-02	2014-02	351
KCSM	Arirang News	2013-11	2014-05	132
KCSM	CCTV News	2013-07	2014-05	321
KCSM	China Price Watch	2013-09	2014-04	147
KCSM	EuroNews	2013-07	2014-05	142
KCSM	European Journal	2011-10	2014-08	146
KCSM	France 24 News	2013-07	2014-05	291
KCSM	Inside Washington	2010-07	2013-07	102
KCSM	JN1 Headline News	2013-11	2014-05	224
KCSM	Journal	2010-07	2014-08	789
KCSM	Kazakh TV News	2013-11	2014-05	211
KCSM	Newsline	2010-07	2014-08	1105
KCSM	Newsweek South Asia	2013-07	2014-05	129
KCSM	RT News	2013-07	2014-05	627
KCSM	RTE News Six One	2013-07	2014-06	145
KCSM	Satellite News From Taiwan	2010-10	2011-04	132
KCSM	SinoTv Early Evening News	2010-10	2011-04	139
KCSM	South Asia Newsline	2013-07	2014-05	138
KCSM	Taiwan Outlook	2013-07	2014-05	280
KCSM	Teen Kids News	2010-07	2014-07	155

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
KCSM	The Debate	2013-11	2014-05	122
KCSMMHZ	European Journal	2011-08	2013-07	114
KCSMMHZ	Journal	2011-08	2013-07	674
KCSMMHZ	Newsline	2013-04	2013-07	122
KCSMMHZ	Newsline 30min	2011-08	2013-04	391
KFSF	Journal	2010-10	2011-04	115
KGO	ABC 7 Morning News	2010-07	2012-03	966
KGO	ABC 7 Morning News at 430AM	2010-07	2012-03	410
KGO	ABC 7 News	2010-07	2014-05	571
KGO	ABC 7 News 1100AM	2010-07	2014-08	913
KGO	ABC 7 News 1100PM	2012-03	2014-08	1571
KGO	ABC 7 News 400PM	2011-05	2014-08	738
KGO	ABC 7 News 430AM	2012-03	2014-08	545
KGO	ABC 7 News 500AM	2012-03	2014-08	750
KGO	ABC 7 News 500PM	2010-07	2014-08	1150
KGO	ABC 7 News 600AM	2012-03	2014-08	756
KGO	ABC 7 News 600PM	2010-07	2014-08	1110
KGO	ABC 7 News 800AM	2012-03	2014-08	116
KGO	ABC 7 News at 11PM	2010-07	2012-04	691
KGO	ABC News Good Morning America	2010-07	2014-01	1336
KGO	ABC World News Now	2010-07	2014-08	998
KGO	ABC World News With David Muir	2011-02	2014-08	266
KGO	ABC World News With Diane Sawyer	2010-07	2014-08	932
KGO	America This Morning	2010-07	2014-08	813
KGO	Good Morning America	2014-01	2014-08	219
KGO	Nightline	2010-07	2014-08	964
KGO	This Week With George Stephanopoulos	2012-01	2014-08	108
KICU	10 OClock News	2010-07	2014-06	1196
KICU	Bay Area News at 7	2010-07	2014-02	787
KICU	First Business	2012-12	2014-06	356
KICU	Right This Minute	2012-01	2014-06	617
KNTV	Dateline NBC	2010-07	2014-08	592
KNTV	Early Today	2010-07	2014-08	915
KNTV	Meet the Press	2010-07	2014-08	356
KNTV	NBC Bay Area News	2010-08	2014-08	126

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
KNTV	NBC Bay Area News at 11	2010-09	2014-08	1255
KNTV	NBC Bay Area News at 11AM	2011-09	2014-08	665
KNTV	NBC Bay Area News at 5	2010-07	2014-08	1203
KNTV	NBC Bay Area News at 6	2010-07	2014-08	1173
KNTV	NBC Bay Area News Special	2010-09	2014-08	121
KNTV	NBC Nightly News	2010-07	2014-08	1223
KNTV	Press Here	2010-07	2014-08	164
KNTV	The Chris Matthews Show	2010-07	2013-07	222
KNTV	Today	2010-07	2014-08	2013
KNTV	Wall Street Journal Rpt	2010-07	2012-12	155
KOFY	ABC 7 News	2010-07	2013-04	590
KOFY	ABC 7 News at 1200AM on KOFY	2011-09	2013-04	405
KOFY	ABC 7 News at 900AM on KOFY	2010-07	2012-03	421
KOFY	ABC 7 News at 900PM on KOFY	2012-04	2014-08	705
KOFY	ABC 7 News on KOFY 1130PM	2013-04	2014-08	327
KOFY	ABC 7 News on KOFY 7PM	2013-04	2014-08	431
KPIX	CBS 5 Early Edition	2011-02	2013-02	312
KPIX	CBS 5 Eyewitness News at 11	2010-07	2013-02	1100
KPIX	CBS 5 Eyewitness News at 11PM	2010-07	2013-02	212
KPIX	CBS 5 Eyewitness News at 530PM	2010-07	2013-02	186
KPIX	CBS 5 Eyewitness News at 5AM	2010-07	2013-02	573
KPIX	CBS 5 Eyewitness News at 5PM	2010-07	2013-02	547
KPIX	CBS 5 Eyewitness News at 630PM	2010-07	2013-01	104
KPIX	CBS 5 Eyewitness News at 6AM	2010-07	2013-02	579
KPIX	CBS 5 Eyewitness News at 6PM	2010-07	2013-02	524
KPIX	CBS 5 Eyewitness News at Noon	2010-07	2013-02	526
KPIX	CBS 5 News	2010-07	2013-02	100
KPIX	CBS Evening News	2010-07	2014-08	290
KPIX	CBS Evening News With Katie Couric	2010-07	2011-06	208
KPIX	CBS Evening News With Scott Pelley	2011-06	2014-08	726
KPIX	CBS Morning News	2010-07	2014-08	915
KPIX	CBS News Sunday Morning	2010-07	2014-08	176
KPIX	CBS This Morning	2012-01	2014-08	586
KPIX	Face the Nation	2010-07	2014-08	234
KPIX	KPIX 5 News at 11pm	2013-02	2014-08	903

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
KPIX	KPIX 5 News at 530pm	2013-02	2014-08	146
KPIX	KPIX 5 News at 5pm	2013-02	2014-08	368
KPIX	KPIX 5 News at 630pm	2013-02	2014-08	143
KPIX	KPIX 5 News at 6pm	2013-02	2014-08	363
KPIX	KPIX 5 News at Noon	2013-02	2014-08	371
KPIX	KPIX 5 News Early Edition	2013-02	2014-08	1120
KPIX	Mosaic	2010-07	2014-08	154
KPIX	The Early Show	2010-07	2012-01	347
KPIX	Up to the Minute	2010-07	2014-08	937
KQED	BBC World News	2010-07	2014-03	335
KQED	BBC World News America	2011-04	2014-08	1342
KQED	Charlie Rose	2010-07	2014-08	1951
KQED	Frontline	2010-08	2014-07	274
KQED	Inside Washington	2010-07	2013-12	102
KQED	KQED Newsroom	2013-10	2014-08	110
KQED	McLaughlin Group	2010-07	2014-08	173
KQED	Nightly Business Report	2010-07	2014-08	1540
KQED	PBS NewsHour	2010-07	2012-08	899
KQED	Tavis Smiley	2010-07	2012-12	374
KQED	This Week in Northern California	2010-07	2013-09	317
KQED	Washington Week	2010-07	2012-12	147
KQED	Washington Week With Gwen Ifill	2013-01	2014-08	163
KQEH	BBC World News	2010-07	2012-06	898
KQEH	McLaughlin Group	2010-07	2014-07	116
KQEH	Moyers Company	2012-01	2014-07	373
KQEH	Nightly Business Report	2010-07	2014-08	813
KQEH	Tavis Smiley	2010-07	2014-08	783
KRCB	Charlie Rose	2010-07	2013-10	638
KRCB	Journal	2010-07	2013-10	381
KRCB	Newsline	2011-01	2013-10	325
KRCB	Nightly Business Report	2011-09	2013-10	425
KRCB	PBS NewsHour	2010-07	2012-08	786
KRCB	Religion Ethics Newsweekly	2010-08	2013-09	112
KRON	KRON 4 Early News	2010-07	2014-08	1845
KRON	KRON 4 Evening News	2010-07	2014-08	910

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
KRON	KRON 4 Morning News	2010-07	2014-08	921
KRON	KRON 4 News at 11	2010-07	2014-08	1495
KRON	KRON 4 News at 4	2010-07	2011-05	205
KRON	KRON 4 News at 430pm	2010-07	2011-05	203
KRON	KRON 4 News at 5	2010-07	2011-05	213
KRON	KRON 4 News at 8	2011-05	2014-08	948
KRON	KRON 4 News at 9	2010-07	2012-02	126
KRON	KRON 4 News Weekend	2010-07	2014-08	368
KRON	Teen Kids News	2010-07	2014-08	190
KTLN	Christian World News	2011-09	2013-10	114
KTVU	10 OClock News	2010-07	2014-08	1281
KTVU	430am Newscast	2011-01	2014-05	783
KTVU	FOX News Sunday With Chris Wallace	2010-07	2014-08	181
KTVU	KTVU 6 OClock News	2010-07	2014-08	993
KTVU	KTVU Morning News	2010-07	2014-08	915
KTVU	KTVU Morning News Early Edition	2010-07	2014-08	925
KTVU	KTVU Noon News	2010-07	2014-08	904
KTVU	Mornings on 2	2010-07	2014-08	1237
KTVU	News at 5pm	2010-07	2014-08	1044
KTVU	Right This Minute	2011-09	2014-08	2193
KTVU	Second Look	2010-07	2014-08	154
KYW	Eyewitness News at 11	2014-06	2014-08	113
LINKTV	Al Jazeera World News	2012-03	2013-10	584
LINKTV	Democracy Now	2012-02	2014-08	1165
LINKTV	Deutsche Welle European Journal	2012-02	2014-05	104
LINKTV	Deutsche Welle Journal	2012-02	2013-10	336
LINKTV	France 24 AM News	2013-08	2014-08	191
LINKTV	France 24 Mid-Day News	2013-08	2014-08	196
LINKTV	Journal	2013-11	2014-08	281
LINKTV	Mosaic World News	2012-02	2012-11	235
LINKTV	Newsline	2013-11	2014-08	178
LINKTV	Witness	2012-02	2013-07	122
MSNBC	All In With Chris Hayes	2013-04	2014-08	991
MSNBC	Andrea Mitchell Reports	2009-07	2014-08	1381
MSNBC	Countdown With Keith Olbermann	2009-07	2011-01	732

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
MSNBC	Disrupt With Karen Finney	2013-06	2014-06	127
MSNBC	First Look	2009-07	2014-08	1431
MSNBC	Hardball Weekend	2009-07	2014-05	520
MSNBC	Hardball With Chris Matthews	2009-07	2014-08	3635
MSNBC	Jansing and Co	2010-10	2014-06	1256
MSNBC	Martin Bashir	2011-03	2013-12	770
MSNBC	Meet the Press	2009-07	2014-08	828
MSNBC	Melissa Harris-Perry	2012-02	2014-08	312
MSNBC	Morning Joe	2009-07	2014-08	1300
MSNBC	MSNBC Live	2011-01	2014-08	1594
MSNBC	MSNBC News Live	2009-07	2011-11	2176
MSNBC	News Nation	2010-10	2014-01	1082
MSNBC	NewsNation	2014-01	2014-08	126
MSNBC	NOW With Alex Wagner	2011-11	2014-08	804
MSNBC	PoliticsNation	2011-08	2014-08	1003
MSNBC	Ronan Farrow Daily	2014-02	2014-08	112
MSNBC	The Cycle	2012-06	2014-08	656
MSNBC	The Daily Rundown	2010-01	2014-08	1329
MSNBC	The Dylan Ratigan Show	2010-01	2012-08	707
MSNBC	The Ed Show	2009-07	2014-08	2406
MSNBC	The Last Word	2010-10	2014-01	1903
MSNBC	The Last Word With Lawrence O'Donnell	2014-01	2014-08	221
MSNBC	The Rachel Maddow Show	2009-07	2014-08	3585
MSNBC	The Reid Report	2014-02	2014-08	111
MSNBC	Up W Chris Hayes	2011-10	2013-04	227
MSNBC	Up W Steve Kornacki	2013-04	2014-08	129
MSNBC	Way Too Early	2012-11	2014-08	508
MSNBC	Way Too Early With Willie Geist	2009-08	2012-11	682
MSNBC	Weekends With Alex Witt	2011-10	2014-08	545
MSNBC	Your Business	2009-07	2014-08	588
NHK	Newsline	2014-06	2014-08	1143
SFGTV	Misc	2010-07	2014-08	63100
SFGTV2	Misc	2010-07	2013-12	44543
WBAL	11 News	2009-11	2012-11	135
WBAL	11 News at 11	2009-07	2013-11	1178

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
WBAL	11 News at 5	2009-07	2013-11	822
WBAL	11 News at 5AM	2009-07	2013-11	827
WBAL	11 News at 6	2009-07	2013-11	1028
WBAL	11 News at Noon	2009-07	2013-11	760
WBAL	11 News Saturday Morning	2009-07	2013-11	432
WBAL	11 News Sunday Morning	2009-07	2013-11	322
WBAL	11 News Sunrise	2009-07	2010-09	272
WBAL	11 News Today	2009-07	2013-11	861
WBAL	Dateline NBC	2009-07	2013-11	450
WBAL	Early Today	2009-07	2013-11	631
WBAL	Meet the Press	2009-07	2013-11	299
WBAL	NBC Nightly News	2009-07	2013-11	1094
WBAL	Teen Kids News	2009-07	2013-11	255
WBAL	The Chris Matthews Show	2009-07	2013-06	135
WBAL	Today	2009-07	2013-11	2425
WBAL	Wall Street Journal Rpt	2009-07	2012-12	156
WBFF	First Business	2009-07	2010-09	147
WBFF	Fox 45 Early Edition	2009-07	2013-11	1595
WBFF	Fox 45 Good Day Baltimore	2011-01	2013-11	540
WBFF	FOX 45 Late Edition	2009-07	2013-11	797
WBFF	Fox 45 Morning News	2009-07	2013-11	979
WBFF	FOX 45 News at 10	2009-07	2013-11	1237
WBFF	FOX 45 News at 500	2012-04	2013-11	244
WBFF	FOX 45 News at 530	2009-07	2013-11	884
WBFF	FOX News Sunday With Chris Wallace	2009-07	2013-11	161
WETA	BBC World News	2009-07	2013-01	374
WETA	BBC World News America	2011-03	2013-02	392
WETA	Charlie Rose	2009-07	2013-11	1471
WETA	Frontline	2009-08	2013-10	244
WETA	Inside Washington	2009-07	2013-11	252
WETA	Nightly Business Report	2009-07	2013-11	897
WETA	PBS NewsHour	2009-12	2012-07	582
WETA	Tavis Smiley	2009-07	2013-11	693
WETA	Washington Week	2009-07	2012-12	181
WETA	Worldfocus	2009-07	2010-04	144

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
WGN	WGN Midday News	2010-06	2014-08	721
WGN	WGN Morning News	2014-02	2014-08	128
WGN	WGN News at Nine	2010-06	2013-11	843
WHUT	BBC Newsnight	2010-03	2013-11	200
WHUT	BBC World News	2009-07	2013-11	1187
WHUT	BBC World News America	2011-07	2013-01	188
WHUT	Charlie Rose	2009-07	2013-11	2651
WHUT	Democracy Now	2012-07	2013-11	198
WHUT	John McLaughlins One on One	2009-07	2013-05	226
WHUT	Newsline	2012-03	2013-11	199
WHUT	Religion Ethics Newsweekly	2009-07	2013-11	197
WHUT	Tavis Smiley	2009-07	2013-11	1419
WHUT	This Is America With Dennis Wholey	2010-06	2012-10	140
WHUT	To the Contrary With Bonnie Erbe	2009-07	2013-11	156
WHUT	White House Chronicles	2009-07	2012-03	202
WHUT	Worldfocus	2009-07	2010-04	128
WJLA	ABC 7 News at 1100	2009-07	2014-08	1274
WJLA	ABC 7 News at 500	2009-07	2014-08	896
WJLA	ABC 7 News at 600	2009-07	2014-08	1031
WJLA	ABC 7 News at 630	2009-07	2014-08	183
WJLA	ABC 7 News at Noon	2009-07	2014-08	875
WJLA	ABC 7 News Weekly	2009-12	2014-08	272
WJLA	ABC News Good Morning America	2009-07	2014-02	1212
WJLA	ABC World News Now	2009-07	2014-08	921
WJLA	ABC World News With David Muir	2011-02	2014-08	150
WJLA	ABC World News With Diane Sawyer	2009-12	2014-08	728
WJLA	ABCs World News With Charles Gibson	2009-07	2009-12	111
WJLA	America This Morning	2009-07	2014-07	433
WJLA	Good Morning Washington 600	2009-07	2012-06	423
WJLA	Good Morning Washington at 430	2010-08	2014-03	567
WJLA	Good Morning Washington at 500	2009-07	2014-03	619
WJLA	Inside Washington	2009-07	2013-12	173
WJLA	Nightline	2009-07	2014-08	864
WJLA	Wall Street Journal Rpt	2009-07	2012-12	163
WJLA	Washington Business Report	2011-01	2014-08	111

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
WJZ	CBS Evening News	2009-07	2013-10	116
WJZ	CBS Evening News With Katie Couric	2009-07	2011-06	448
WJZ	CBS Evening News With Scott Pelley	2011-06	2013-11	318
WJZ	CBS Morning News	2009-07	2013-11	684
WJZ	CBS News Sunday Morning	2009-07	2013-11	150
WJZ	CBS This Morning	2012-01	2013-11	215
WJZ	Eyewitness 11PM News	2009-07	2013-11	995
WJZ	Eyewitness News	2009-07	2013-10	181
WJZ	Eyewitness News at 4	2009-07	2013-11	694
WJZ	Eyewitness News at 5	2009-07	2013-11	717
WJZ	Eyewitness News at 6	2009-07	2013-11	737
WJZ	Eyewitness News Morning Edition	2009-07	2013-11	706
WJZ	Eyewitness News Morning Weekend	2009-07	2013-11	295
WJZ	Eyewitness Noon News	2009-07	2013-11	652
WJZ	Face the Nation	2009-07	2013-11	136
WJZ	The Early Show	2009-07	2012-01	503
WJZ	Up to the Minute	2009-07	2013-11	714
WMAR	ABC News Good Morning America	2009-07	2013-11	1127
WMAR	ABC World News Now	2009-07	2013-11	906
WMAR	ABC World News With David Muir	2011-02	2013-11	130
WMAR	ABC World News With Diane Sawyer	2009-12	2013-11	672
WMAR	ABC2 News	2011-04	2013-11	415
WMAR	ABC2 News at 530PM	2009-07	2013-11	777
WMAR	ABC2 News at 5PM	2009-07	2013-11	803
WMAR	ABC2 News at 6PM	2009-07	2013-11	795
WMAR	ABC2 News Good Morning Maryland 5AM	2009-07	2013-11	802
WMAR	ABC2 News Good Morning Maryland 6am	2009-07	2013-11	803
WMAR	ABC2 News Good Morning Maryland 9AM	2009-07	2011-06	382
WMAR	ABC2 News Sunday	2010-10	2013-11	108
WMAR	ABC2 News The Latest at 11	2009-07	2013-11	918
WMAR	ABCs World News With Charles Gibson	2009-07	2009-12	105
WMAR	America This Morning	2009-07	2013-11	422
WMAR	News	2009-07	2013-11	1595
WMAR	Nightline	2009-07	2013-11	801
WMAR	Right This Minute	2011-09	2013-11	725

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
WMPT	BBC Newsnight	2010-12	2013-11	106
WMPT	BBC World News	2009-07	2012-05	678
WMPT	BBC World News America	2011-05	2013-11	420
WMPT	Charlie Rose	2009-10	2013-11	527
WMPT	Frontline	2009-09	2013-10	259
WMPT	Inside Washington	2009-07	2012-05	127
WMPT	Nightly Business Report	2009-07	2013-11	637
WMPT	PBS NewsHour	2009-12	2012-07	543
WMPT	Tavis Smiley	2009-10	2011-09	297
WMPT	Washington Week	2009-07	2013-01	170
WNUV	FOX 45 Late Edition	2010-04	2012-09	590
WPVI	Action News	2014-06	2014-08	324
WRC	Dateline NBC	2009-07	2014-08	450
WRC	Early Today	2009-07	2014-07	654
WRC	Meet the Press	2009-07	2014-08	298
WRC	NBC Nightly News	2009-07	2014-08	1115
WRC	News 4 at 11	2009-07	2014-08	1259
WRC	News 4 at 4	2009-07	2014-08	768
WRC	News 4 at 5	2009-07	2014-08	836
WRC	News 4 at 6	2009-07	2014-08	1155
WRC	News 4 Midday	2009-07	2014-08	770
WRC	News 4 This Week	2009-07	2014-08	287
WRC	News 4 Today	2009-07	2014-08	1301
WRC	News 4 Today at 430	2010-09	2012-10	438
WRC	News 4 Today at 5	2010-09	2012-10	420
WRC	News 4 Today at 6	2010-09	2012-10	416
WRC	The Chris Matthews Show	2009-07	2013-06	135
WRC	Today	2009-07	2014-08	1527
WTTG	Fox 5 Morning News at 425am	2010-04	2013-11	646
WTTG	Fox 5 Morning News Sunday	2009-07	2013-11	160
WTTG	Fox 5 News at 11	2009-07	2013-10	355
WTTG	Fox 5 News at 5	2009-07	2013-11	755
WTTG	Fox 5 News at 6	2009-07	2013-01	135
WTTG	Fox 5 News at Ten	2009-07	2013-11	1074
WTTG	Fox 5 News Edge at 11	2009-07	2013-11	712

Table SI 1.13: Archive CC - Show-Level Summary Statistics (*continued*)

Channel	Show	Start Date	End Date	Total
WTTG	Fox 5 News Edge at 6	2009-07	2013-11	810
WTTG	Fox 5 News Sports Extra	2009-07	2013-11	285
WTTG	Fox Morning News	2009-07	2013-11	1559
WTTG	Fox Morning News at 5	2009-11	2013-11	713
WTTG	Fox Morning News at 6	2009-07	2013-11	782
WTTG	FOX News Sunday With Chris Wallace	2009-07	2013-11	156
WTTG	Teen Kids News	2010-09	2013-10	107
WUSA	9 News Now at 11pm	2009-07	2013-01	1416
WUSA	9 News Now at 430am	2010-03	2013-01	594
WUSA	9 News Now at 5am	2009-07	2013-01	664
WUSA	9 News Now at 5pm	2009-07	2013-01	690
WUSA	9 News Now at 6am	2009-07	2013-01	676
WUSA	9 News Now at 6pm	2009-07	2013-01	813
WUSA	9 News Now at 9am	2009-07	2010-03	131
WUSA	9 News Now at Noon	2009-07	2013-01	605
WUSA	9 News Now Tonight	2009-07	2013-01	729
WUSA	CBS Evening News	2009-07	2014-08	139
WUSA	CBS Evening News With Katie Couric	2009-07	2011-06	429
WUSA	CBS Evening News With Scott Pelley	2011-06	2014-08	383
WUSA	CBS Morning News	2009-07	2014-04	754
WUSA	CBS News Sunday Morning	2009-07	2014-08	155
WUSA	CBS This Morning	2012-01	2014-08	244
WUSA	Face the Nation	2009-07	2014-08	146
WUSA	McLaughlin Group	2009-07	2014-08	290
WUSA	The Early Show	2009-07	2012-01	384
WUSA	Up to the Minute	2009-07	2014-07	827
WUSA	WUSA 9 News at 11pm	2013-01	2014-08	214
WUSA	WUSA 9 News at 5pm	2013-01	2014-08	112
WUSA	WUSA 9 News at 6pm	2013-01	2014-08	111
WUSA	WUSA 9 News at Noon	2013-01	2014-08	109

SI 1.2 Top Predictors of News from NYT classifier

Table SI 1.14: Top 100 Predictors of Different Kinds of News

Arts	televis review, book time, critic choic, 74a east fourth, take children, classic record, canbi, limn, lawrenc van, today film, alfr knopf, network news, ticket sale, lawrenc van gelder, product stage manag, open yesterday, villag run, cultur affair, channel 13, boxoffic, saturday afternoon, york time book, open friday, littl like, agenc francepress, play polit, ticket bought, imprint, act like, 88 seventh avenu, think mr, open thursday, home video, artiel art, die last year, finetun, held tomorrow, thursday night, twohour, tent agreement, directorsnew film seri, 17th 18th, theater review, accord nielsen, age 13, said telephon, crusad, new york philharmon, knew nt, watrou, 47 million, museum manhattan, news broadcast, die oct, one point, program note, pm tomorrow, chew gum, mel gibson, reveng, jack anderson, said recent, music one, citi center, inform 212, alexand calder, last book, box set, studi art, irv plaza, 89th street, 432, st martin press, chorus, three notrump, play world, 10 cover, high note, debut album, remain unchang, rhythmic, nation galleri, radicchio, abbi, lo angel mr, program present, less year, town hall, open public, miller theater, say would, aug 27, execut produc, choral, serpentin, new school, indiana jone, issu rais, said read, time slot
Books	pp new, pp, book brief, editor review, unpag, review, week list, 2495, 2395, 2295, 1795, 2750, paper 1295, 1895, written illustr, knopf 23, bookend, 1595 age, simon schuster 23, nonfict, 2595, wryli, mani guest, morrow, us work, essay, 1595, memoir, thoma mann, bernard shaw, 1995, 2195, readabl, hyperbol, preposter, jeanclaud, 2795, houghton mifflin, dr ruth, mick, harpercollin, first novel, 1695, estrang, novel, illustr, american worker, statist, collect short, publish artiel, chronicl, gush, characterist, lead editor editor, curious, radic, reader, book, writer artist, short, wellresearch, review book, serv mani, insight, interview, sleuth, beckett, beguil, quot, dwight, ms brown, descript, biographi, paula, 1295, scribner, publish book, one could, inaccuraci, novella, surprisngli, ballantin, shattuck, narr, cheever, pp boston, paper, unpag new york, attempt, new novel, tale, footnot, editor, univers press, segreg, aloud, life, hain, nake, book contain
Business.Finance	media busi, compani news, compani report, plc, world busi, busi travel, republish, expert wit, intern busi, trade repres, militari contractor, ago prime rate, recent sale, bank committe, quarterli, presid chief oper, bond buyer, person busi, upfront, club med, inc said, busi peopl, person financ, million unit, compani said, secur exchang commiss, inc, million annual, death certif, us dollar, sex citi, reorgan, said countri, execut, rung, fourweek, morgan stanley, job cut, school architectur, crude, discount rate, steep, analyst, nintendo, correspond period, feder trade commiss, chief execut, trade talk, soviet govern, phone number, corpor said, forc would, hightechnolog, hubert, air travel, qtr, year earlier, corp, european commiss, monetari polici, public space, incub, busi, privat sector, mile per, bank said, swiss franc, contend, natur ga, mari kay, plan sell, patent, mortgag corpor, lead, recharg, budget million, preciou metal, begin april, advertis, buyout, massachusett gener, omnicom group, 14th, foreign aid, said today, life insur, agre buy, theresa, reginald, basi point, shearson, d2, financ minist, expect, demand, forum, percent, intern revenu servic, maa, artiel busi
Classifieds	belov, grandchildren, condol, fl, love, sympathi, friend, ct, surviv, pass away, mourn pass, contribut, servic held, forev, lieu flower, sorrow, inter, funer, lieu, sadden, decemb, predeceas, nyc, mentor, pass, happi birthday, miss, memor servic, mourn loss, sore miss, mourn death, februari, memor mass, deepli, grandson, greatli miss, numer, sad, geri, iii, us, 1997, colleagu, mourn, august, septemb, 2006, memor, celebr life, leadership, grandmoth, die august, gratitud, devot, servic, born, gravesid servic, wife, gentl, generos, formerli, januari, 1998, octob, grandfath, 2nd, 2003, soninlaw, die novemb, brother, new york citi, theatr, deepest sympathi, late, nephew, resid, wit, 1999, niec, extend, citron, donat, burial, chapel, long rememb, florida, side hous, die januari, andrew, 2002, ador, novemb, ma, alway rememb, ny, dedic, die april, us armi, husband, funer servic
Dining	food stuff, wine talk, addit capsul, florenc fabric, extra virgin oliv, eat well, sound level, marian burro, heat oven, price rang appet, time addit capsul, card major card, time hour, hesser, last wednesday, serv minimalist, best dish, dine section, level 25, melissa clark, restaurateur, pm wheelchair, aroma, reserv 212, short order, william grime, jame beard, alain ducass, minimalist, artiel last wednesday, food nation, cook stir, starch, wild salmon, saut, antismok, could nt help, strip mall, pepperi, world could, wednesday artiel, eaten, chef, editor, minut plu, housemad, littl bit, knife, griddl, wedg, betsey, wed cake, temptat, thanksgiv, cru, minut remov, citarella, server, bruni, flesh, pointer, zabar, frequent visitor, one morn, balthazar, make, place serv, rang appet, madison park, shellfish, trotter, meatbal, privat parti, tast, may lead, etiquett, restau, grime, 8yearold, recip, restroom, deliveri, soon, adjust season, flavor, four time, hour monday, sparkl water, foie gra, groceri, plaza hotel, even close, agricultur depart, dishwash, perfectli, winemak, open branch, broiler, creami, mr parker

Editorial news articl, ope, ope contributor, front page, week review, editori, author forthcom, told time, ope columnist, maureen dowd, new york juli, author recent, gop, 2001 wrter, york march, 2005, york may, york oct, rightli, york aug, 2000 wrter, new york sept, york feb, york april, page sept, page may, ny may, blunder, deserv, new york april, therebi, new york nov, thoma friedman, 2004, 1998 writer, new york jan, york june, david brook, sensibl, page march, startl, sucker, busi day, forthcom, frontpag articl, behav like, news stori, 2006, jim wright, frontpag, feb 12, new york dec, nichola kristof, trent lott, yet, meanwhil, 1993, york jan, need, un, art idea, pundit, eighth avenu, person freedom, new york feb, may 25, st patrick day, misrepres, wall street journal, khrushchev, april 14, prof, frighten, 1991, wors, badli, topic, would well, thu, profession footbal, press confer, tv, ought, regim, editor editor, time report, taxpay, safir, lower manhattan, free press, neediest, 1996, rushhour, washington may, pyongyang, tragic, krugman, new york state, undergradu, 1997

Foreign.News struggl iraq, threat respons, follow excerpt, diplomat said, nyt, reach war, today, staterun, take part, said speech, gener assembl, die sinc, said unit, policemen, said interview, polit analyst, servic member, state depart, lieut col oliv, articl page, vladimir, member die, parliament, minist said, war said, state depart said, right group, provinc, thame, john paul, year govern, soweto, travel abroad, leftist, angrili, launder, hide, administr offici, day ago, mani japanes, televis network, maguir, us said, prodemocraci, accord, influenti, govern, aid packag, capit, provinci, shantytown, state warren christoph, a6, formal, root, wu, decre, middl east, nairobi, june 30 1989, boucher, infantri divis, cpl, regard, nobel prize, newspap, diplomat say, month govern, leader said, state militari, unit nation, peopl die, offici, depart store, referendum, minist, said washington, reuter, announc, migrant, reenact, outpost, ye, intellectu, servicemen, charlton, palestinian author, socal, crime commit, ministri, panamanian, bbc, hardship, gaza strip, karachi, iraq war, peopl, nafta, soccer field, say vital sign, book health, coauthor studi, anahad oconnor, lead author, room bedroom, anahad, week journal, person health, patient one, diseas control prevent, marriag famili, among peopl, april 19, bottom line, sunburn, lead caus, outcom, today includ, halt, pharmaceut, may 16, mri, dr atkin, enclosur, twoandahalf, ident twin, happier, mainli, aug 23, stumbl, hydrocarbon, reproduct, 2003, though, sac, journal, day hospit, antibacteri, medicin, dietitian, dementia, mount st, poor countri, immobil, women sexual, biopsi, report issu, multipl, anterior, drugstor, studi suggest, inhal, southeast asian, accur, workout, signific, web site, feel better, satur fat, bandag, wellb, provid addit, health, month later, think need, cancer survivor, antidepress, lower, bmj, specimen, crucial, resid program, statin, 2005, experienc, healthconsci, studi publish, strength, novic, caus great, acrobat, hot flash, motor vehicl, side bodi, occur, sore, swim, vision, cdc, peer review, aneurysm, soft drink, garfield, cardiac, intens care, ankl, longer, rare, author studi

Health tv weekend, photographi review, art review, next friday, lunch noon, street soho, ken johnson, roberta smith, open today, book time, holland cotter, film review, grace glueck, dinner entre, minut close caption, insid art, satisfactori good good, manhattan 212, appear page, ben ratliff, open today new, open last night, ruth reichl, greenwich villag run, review page, jon pare, critic new york, show organ, last friday, requir accompani, tonight sunday, presal, wednesday night, serv lunch, parent strongli caution, didact, street chelsea, amplif, street manhattan, street june, tomorrow even, diner journal, serv dinner, wednesday even, open today nationwid, second stage, earlier book, laser disk, editor chief, museum art fifth, tomorrow, ticket 10, review appear new, recommend age, seri featur, among artist, august wilson, minut film rate, pop review, denot highli recommend, 97 minut, firebird, expect bring, preheat, major card, friday dinner, center 212, parent strongli, heft, pm monday saturday, central time, first movement, sunday pm, cabinetmak, 47 east, chelsea 212, tomorrow sunday, wednesday, chamber ensembl, cover charg, midnight friday, congress said, quad cinema, weekend, littl itali, pg13, leonard street, somehow, denot highli, broadway near, bassist, pm inform, rate pg, radiant, today manhattan, playboy, street west villag, jujamcyn, sunday, minut film

Leisure neighborhood report, total time, boldfac, excel good good, new yorkregion, studio onebedroom, worth note, jersey daili, next sunday, public live, town board, articl wednesday, yorkregion, news brief new, good eat, excel good, yesterday, news analysi, diagram deal, assemblylyman, prepar time, a1, long island, rental build, busi day, misstat, 732, nytimescom, obituary, art leisur, moment later, ground pepper, b3, westchest, frontpag articl, counti legislatur, recommend dish, extravirgin, citi offici, district attorney robert, bulletin board, mayor michael bloomberg, room said, fasten, bronx borough, washington height, neediest case, a12, famili mr, citi largest, connecticut, jersey, chief medic, lazio, fresh air, articl saturday, announc candidaci, know everyth, rockland counti, quarter last, annual rent, counti prosecutor, refer imprecis, interview last week, binocular, paper mill, erron, friday pm, busi digest, church said, coars salt, team led, remain effect, hastingsonhudson, french design, may seen, said day, cabernet sauvignon, assembl speaker, throughout unit state, robert mose, street said, giuliani said, misidentifi, nt bring, port author, said howev, upper east side, abdel, lower manhattan, councilwoman, board educ, fire depart, rochel, law limit, 201, page, polic said, depart environment, tast salt

Local neighborhood report, total time, boldfac, excel good good, new yorkregion, studio onebedroom, worth note, jersey daili, next sunday, public live, town board, articl wednesday, yorkregion, news brief new, good eat, excel good, yesterday, news analysi, diagram deal, assemblylyman, prepar time, a1, long island, rental build, busi day, misstat, 732, nytimescom, obituary, art leisur, moment later, ground pepper, b3, westchest, frontpag articl, counti legislatur, recommend dish, extravirgin, citi offici, district attorney robert, bulletin board, mayor michael bloomberg, room said, fasten, bronx borough, washington height, neediest case, a12, famili mr, citi largest, connecticut, jersey, chief medic, lazio, fresh air, articl saturday, announc candidaci, know everyth, rockland counti, quarter last, annual rent, counti prosecutor, refer imprecis, interview last week, binocular, paper mill, erron, friday pm, busi digest, church said, coars salt, team led, remain effect, hastingsonhudson, french design, may seen, said day, cabernet sauvignon, assembl speaker, throughout unit state, robert mose, street said, giuliani said, misidentifi, nt bring, port author, said howev, upper east side, abdel, lower manhattan, councilwoman, board educ, fire depart, rochel, law limit, 201, page, polic said, depart environment, tast salt

National
washington talk brief, 2004 campaign, follow excerpt, today journal, today issu, brooklyn bridg, gov, washington talk, lead man, leaven, publish today, pennsylvania avenu, isra govern, today, polic chief, articl page, aptitud, 2000 campaign, anoth said, polic say, vice presid bush, feder elect, last resort, three million, talk brief, appear page, scientist said, 41yearold, said lieut, scienc writer, memorandum, involuntari, said parti, said donald, expert said, campaign said, mississippi river, embryon stem cell, 1992 campaign, nation challeng, thompson said, vicepresidenti, intern space station, nyt, lead senat, mr jackson said, drug use, border patrol, peopl said, pay bill, young said, manag editor, said group, 62yearold, art scienc, waitress, fiscal year, aguayo, 21 year, senat commitee, blister, unit way, bicentenni, candid woudl, presid american, capit citi, judg robert, annenberg, colleg univers, said paul, caper, hous offici, sheriff, around countri, take time, school said, said recent, becam famou, ask new, author said, year first, lewinski, nation archiv, santa ana, feder money, said interview, woodrow, citizen group, peregrin, cutter, group base, today new, 23 billion, wick, fundament chang, said jim, emori, toothpast, safeti board, senat joseph lieberman

Obits
die yesterday, year old, die, heart attack said, old live, year old mr, die tuesday, die sunday, heart failur said, surviv, famili said, caus, yesterday home, die wednesday, surviv wife, one first, surviv mother, die monday, die today, nativ, found dead, stroke said, year old dr, aid said, said daughter, surviv parent, broadway show, caus aid, die last, two son, caus death, short stori, die thursday, remain activ, born, die saturday, said caus, world war, death mr, grew, 1961, 1981, wife former, surviv two, manhattan caus, 1934, techniqu, modern art, 1965, receiv undergradu, friday home, fla, die cancer, fernando, suffer, survivor includ, later, mr rosenth, resid manhattan, home, prais, 2d, 1970, serv, thursday, brief ill, gen, becam, failur, year die, among, cancer said, telegraph, univers join, nyack, 1979, went, center mr, continu, caus cancer, saturday home, anoth son, author mani, 1932, die friday, surviv husband, heart attack, 1989, special, known, surviv second, philanthropist, founder, 1968, vera, found member, mr, conn, 1936, wrote

Other
weddingscelebr, news watch, way live, home section, lead live, marri yesterday, marri today, four serv, last week, analysi per serv, insid track, run juli, amc, mentalhealth, bridegroom, lexu, cover stori, engag daughter, ethicist, wine make, last even, monday friday, pepper tast, freshli ground pepper, instil, zap, hour 10 pm, highschool, mr mr, cook minut, live live, horsepow, home nt, younger women, congression committe, sunday octob, spotlight, contemptu, letter editor, form basi, dimpl, oliv stone, nt decid, squar mile, pop music, beleagu, univers mother, john ashcroft, 11 peopl, like everyon els, placat, say ms, new amsterdam, east hampton li, paraleg, posit system, princ wale, problem first, replac one, univers rochest, point anoth, world largest, peopl everi, verb, american household, nt nt, islam world, ask kind, fine chop, moo, printout, consult work, sunday pictur, howev take, electr outlet, work place, polici mr, brother sister, servic like, celestin, look upon, like us, temp, say, promis make, cum laud, son dr, new repUBL, wont, someth simpl, last sunday, excori, would recommend, keep name, verbatim, way differ, saturday pm, team tri, chicori, bride

Real Estate
nation perspect, streetscap, re think live, per squar foot, hw floor, hw, manhattan writer, last sunday, said ad, 1st yr, patio, coop, landmark conserv, landmark preserv, homeown, homeownership, million project, 1car, thehunt, landus, walkup, accord, onefamili, bought, hous commun renew, commerci properti, doorman, said explain, said mr, 1907, reus, 12bath, galleria, chitchat, condominium project, review process, adjust rate, post, commun associ, manhattan, exterior, habitat, big deal, unincorpor, garag tax, meet room, entitl, move, municip art, facil, rental properti, sale price, turnofthecenturi, new haven, langley, histor district, william may, said look, 1900, threestori, first phase, appear last, dunlap, problem said, explain, hill brooklyn, verbal, occup, number half, landlord, daycar, even though, rule would, nelson said, studio apart, acr, build, onebedroom, later, nuisanc, accommod, gazett, home, plan zone, bedroom, hotel west, notforprofit, confer, apart hous, complet, properti, resal, broker, plan associ, lender, barg, avenu 51st street, front build, facad, roof

Science
claiborn ray, scienc watch, question scienc, pet zoo, editor, peripher, editor re, current issu, person health column, person comput, new york writer, peopl around, empath, conservationist, gravi, current issu journal, wednesday late, still suffer, fortifi, journal natur, macintosh, research say, crohn, jane brodi, doctor world, univers one, asthmat, aerob exercis, albatross, year experi, helium, one caus, memo, undersea, calcul, wavelength, standbi, physicist, archeologist, psychologist univers, give rise, help know, depress anxieti, ici, promin, south america, veloc, megabyt, per second, do, ecologist, mathematician, archaeologist, inocul, scienc, absolv, ecolog, ask us, mani exempl, capsul, cock, drug patient, howev like, children year, imped, old age, dr stephen, poacher, drug agenc, excav, issu natur, fertil egg, portabl comput, encount, c5, go alon, monarch, dr, offici said today, scientist, psychologist, north america, eat less, research conclud, scienc time, white hous, motion, cancer risk, peril, exempt, compani offici, chiropractor, report recent, launch pad, care doctor, last tuesday, conserv societi, partli, hemispher, dr john

Sports
sport editor, sport peopl, sport time, intern box, atlant salmon, said nt, ioc, outfield, pro basketbal, bout, mr bennett, last season, track field, sidelin, angler, decoy, pro footbal, lead, belmont, telephon interview, nba, notebook, quarterback, collegi athlet, last night, told, rank, paramed, former manag, yesterday, regularseason, moreno, ap, ix, semifin, giant stadium, disabl list, fight, tampa, second, govern bodi, redskin, address telephon number, agent, big east, pga, dave, drug test, tyson, plu, trout, msg, writer name, acknowledg, fernandez, somebody, race, athlet director, relationship, gener manag, finish, receiv, sedan, world cup, squar garden, saturday night, rebound, 15day, game season, ve got, nt think, player associ, tenni, hors show, gold medal, today, torr, wood said, also said, round, champion, minni, last year, return, relay, basketbal, goal, olymp, devil, nhl, injur, offens, nation footbal, espn, victori, figur skate, sign, rodriguez, kentucky, address

Style

consum world, ego id, nadin brozan, elain louie, puls, even hour, sunday dinner, hous home, person shopper, end game, current, chronicl, press secretari, 24hr doormen, price current, associ press report, old work, last thursday, rohrlich, york citi council, said yesterday, shill, barney new york, see well, said night, 35millimet, recuper, zone board, cantilev, reach end, hardwood, ago would, gucci, music said, basketbal court, echelon, work said, past said, rais fund, typefac, owner new, sui, fall collect, foursom, diner jurnal, new hope, apertur, schoolyard, said music, david dinkin, part name, plastic surgeon, music industri, old enough, stamp, parti given, dinnerwar, said ellen, 55yearold, legendari, lowfat, address question garden, reserv requir, disson, anoth sign, receiv award, galleri owner, tribeca grill, million pound, stay power, sylvest stallon, chrysler build, editor chief, central aircondit, market execut, teenag daughter, interest publish, lot tax, blindfold, opportun make, labor day, pm admiss, one ever, home depot, nt often, undergo, mobster, mortgag broker, mover, made first, top right, fashion, brooklin mass, race relat, coin, parasol, skin bone, 7yearold, fixedincom, exwif

Travel

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SI 1.3 Full Topic Wise Results

Table SI 1.15: LACC Prediction - Share of News Types by Show (*continued*)

News Source	Show	Total	Arts	Books	Business	Classifieds	Dining	Editorial	Foreign	Health	Leisure	Local	National	Obits	Other	Real Estate	Science	Sports	Style	Travel
KTTV	Morning News at 7AM	363	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.20	0.23	0.00	0.03	0.00	0.07	0.37	0.00	0.08	
KTTV	News Sunday with Chris Wallace	339	0.00	0.00	0.00	0.00	0.00	0.52	0.05	0.00	0.00	0.01	0.29	0.00	0.11	0.00	0.00	0.03	0.00	0.00
KTTV	Ten OClock News	2007	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.02	0.08	0.46	0.00	0.02	0.00	0.00	0.36	0.01	0.01
MSNBC	1600 Pennsylvania Avenue	108	0.00	0.00	0.01	0.00	0.00	0.06	0.01	0.00	0.00	0.02	0.27	0.00	0.08	0.00	0.00	0.00	0.55	0.00
MSNBC	Cenk Uygur	286	0.00	0.00	0.00	0.00	0.00	0.42	0.02	0.00	0.00	0.02	0.40	0.00	0.13	0.00	0.00	0.01	0.00	0.00
MSNBC	Countdown with Keith Olbermann	1064	0.00	0.00	0.00	0.00	0.00	0.30	0.03	0.11	0.00	0.01	0.33	0.00	0.16	0.00	0.00	0.02	0.02	0.00
MSNBC	Hardball with Chris Matthews	1365	0.00	0.00	0.00	0.00	0.00	0.21	0.03	0.04	0.00	0.01	0.36	0.00	0.27	0.00	0.00	0.05	0.02	0.00
MSNBC	MSNBC News Saturday	115	0.00	0.03	0.00	0.00	0.00	0.03	0.03	0.10	0.00	0.14	0.07	0.00	0.38	0.00	0.01	0.02	0.17	0.02
MSNBC	MSNBC News Sunday	115	0.01	0.03	0.00	0.00	0.00	0.04	0.03	0.23	0.00	0.15	0.10	0.00	0.15	0.00	0.03	0.04	0.19	0.00
MSNBC	News Live	2794	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.11	0.00	0.03	0.50	0.00	0.08	0.00	0.00	0.02	0.09	0.00
MSNBC	Race For The White House	162	0.01	0.00	0.00	0.00	0.00	0.12	0.01	0.00	0.00	0.00	0.22	0.00	0.18	0.00	0.00	0.10	0.36	0.00
MSNBC	Scarborough Country	185	0.01	0.03	0.02	0.00	0.01	0.09	0.03	0.19	0.01	0.02	0.07	0.00	0.48	0.01	0.00	0.01	0.04	0.01
MSNBC	The Abrams Report	248	0.00	0.00	0.00	0.00	0.00	0.12	0.03	0.07	0.00	0.07	0.23	0.00	0.31	0.00	0.00	0.12	0.06	0.00
MSNBC	The Daily Rundown	556	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.05	0.00	0.02	0.67	0.00	0.04	0.00	0.00	0.07	0.02	0.00
MSNBC	The Ed Show	756	0.00	0.00	0.00	0.00	0.00	0.23	0.02	0.05	0.00	0.03	0.53	0.00	0.10	0.00	0.00	0.02	0.01	0.00
MSNBC	The Last Word With Lawrence O'Donnell	309	0.00	0.00	0.00	0.00	0.00	0.13	0.05	0.09	0.00	0.06	0.51	0.00	0.13	0.00	0.00	0.03	0.00	0.00
MSNBC	The Rachel Maddow Show	870	0.00	0.00	0.00	0.00	0.00	0.24	0.08	0.05	0.00	0.02	0.52	0.00	0.05	0.00	0.00	0.00	0.02	0.00
MSNBC	Tucker Carlson	361	0.00	0.00	0.00	0.00	0.00	0.21	0.02	0.05	0.00	0.02	0.25	0.00	0.42	0.00	0.00	0.01	0.00	0.00
WWW	Democracy Now	1864	0.03	0.00	0.00	0.00	0.00	0.22	0.47	0.01	0.00	0.03	0.13	0.00	0.09	0.00	0.01	0.00	0.00	0.00
WWW	Russia Today	740	0.00	0.00	0.02	0.00	0.00	0.05	0.78	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.14	0.00

Table SI 1.16: Top 10 - Share of News

News Source	Total	Arts	Books	Business	Classifieds	Dining	Editorial	Foreign	Health	Leis
Fox News	20373	0.02	0.01	0.03	0.01	0.02	0.07	0.11	0.02	0.01
Google	5347	0.03	0.01	0.04	0.01	0.00	0.14	0.20	0.01	0.01
Huffington Post	15519	0.05	0.02	0.03	0.03	0.01	0.15	0.05	0.03	0.01
NYT	5557	0.05	0.01	0.05	0.00	0.07	0.08	0.11	0.03	0.01
USA Today	4446	0.05	0.01	0.04	0.02	0.01	0.03	0.04	0.04	0.01
WaPo	6113	0.03	0.02	0.03	0.00	0.00	0.20	0.08	0.03	0.01
WSJ	10273	0.02	0.01	0.25	0.00	0.01	0.12	0.10	0.03	0.01
Yahoo!	12146	0.02	0.01	0.06	0.01	0.01	0.08	0.19	0.02	0.01

SI 1.4 Daytime vs Evening effects with year control

Table SI 1.18: Soft News during the day

	Soft News	
	LACC	Internet Archive
Constant	0.36*** (0.01)	0.45*** (0.01)
Daytime	-0.11*** (0.00)	-0.08*** (0.00)
Year	0.10*** (0.01)	0.05*** (0.00)
Outlet FE	Yes	Yes
R ²	0.06	0.08
Num. obs.	127386	314626

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

SI 1.5 Web News

Our online news data comes from two sources—Web News Corpus, built by live scraping site maps of news sites in the U.S., and Top 10 Web News Data, which only includes articles posted to home or main politics pages and most viewed or read article lists. We reserve the Top 10 data for estimating consumer demand for news given that it only includes a small subset of articles online.

Our online news corpus has $\sim 5M$ web pages spanning 2006–2014. A majority of the news corpus was built by live scraping the site maps of the news sites. A portion of the data was built by searching keywords related to health hazards on some social media. We exclude that data. We further limit ourselves to news sources that publish in English, and for which we have at least 1,000 transcripts. This leaves us with $\sim 1.71M$ web pages from 25 sources for the U.S. (See [SI 1.1](#) for a complete list of media sources, the date ranges, and the number of transcripts per media source.)

Table SI 1.19: GTOWN - Summary Statistics

Source	Start Date	End Date	Total
Africa Daily	2007-09	2009-04	40892.00
All Headline News	2006-07	2012-02	78183.00
Big News Network	2006-11	2010-12	32505.00
Bloomberg	2007-04	2015-01	198034.00
Daily Kos	2006-04	2015-02	204802.00
Houston Chronicle	2007-05	2014-06	132324.00
Media Monitors	2004-12	2012-12	4212.00
Media-Newswire	2007-06	2015-02	107884.00
MediaLine Mideast	2008-04	2014-09	1767.00
NPR	2000-10	2015-02	43762.00
Newswire Today	2007-06	2013-01	9251.00
Palestine Chronicle	2002-01	2012-10	14023.00
Radio Liberty	2007-09	2013-01	19971.00
Senegambia News	2007-06	2012-05	2050.00
Speeple News	2007-11	2009-12	87307.00
Star Telegram	2006-08	2009-03	80530.00
Stars & Stripes	1951-09	2014-04	19564.00
The Drudge Report	2008-07	2013-01	68957.00
The Saipan Tribune	2006-12	2013-07	42199.00
UNESCO News	2007-12	2015-02	2109.00
United Nations Radio	2007-03	2014-08	20228.00
Wall Street Journal	2008-03	2009-04	11706.00
World News	2007-07	2008-08	4161.00
Yahoo	2005-02	2012-02	398911.00

SI 1.6 Full Topic Wise Results

SI 1.7 Full Over Time Results By Data Set

Table SI 1.21: Soft News over time

	Soft News	
	TV	Web
Constant	0.23*** (0.01)	0.18*** (0.00)
Year	0.09*** (0.00)	-0.04*** (0.00)
Outlet FE	Yes	Yes
R ²	0.06	0.13
Num. obs.	602607	1263179

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$

SI 1.8 Full Over Time Results By Data Set

Table SI 1.22: Soft News on local and national TV, extended analysis

	Soft News	
	LACC	Internet Archive
Constant	0.31*** (0.00)	0.31*** (0.00)
Local Channel	0.35*** (0.01)	0.05*** (0.01)
Outlet FE	Yes	Yes
R ²	0.06	0.06
Num. obs.	139431	458164

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$