

## HOW IS SOCIAL MEDIA GATEKEEPING DIFFERENT? A MULTI-PLATFORM COMPARATIVE ANALYSIS OF THE NEW YORK TIMES

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#### Introduction

News audiences are fragmented across different media platforms (Pew Research Center, 2016). Consequently, individual news organizations simultaneously disseminate their content across different media. Each of these media has different user bases, interface characteristics, and distribution systems. Given these substantial differences, the dynamics of the gatekeeping process – and the news values that guide this process – vary across different media technologies/platforms. As audience attention migrates from older to newer platforms (such as social media), it is important that we understand how the nature of the news that is disseminated – and thus consumed – may be different from the news disseminated through more traditional means.

This study addresses these issues through a comparative gatekeeping analysis of the *New York Times*. For this case study, two month's worth of *Times* front page, home page, and Facebook page story output was comparatively analyzed across dimensions such as story quantity, story duplication, hard versus soft news, and content diversity, in

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an effort to determine how the nature of the news that is prioritized for news consumers differs between the social media context and older contexts.

The *Times* provides an interesting cross-media comparison. For its decision-making regarding which of the over 300 stories produced each day to post to Facebook, the *Times* utilizes a self-developed bot called Blossom, which "predicts how articles or blogposts will do on social and also suggests which stories editors should promote by drawing from enormous stores of data, including information on story content and performance metrics such as Facebook post engagement" (Wang, 2015; Ellett, 2017).

Journalism scholars, critics, and industry professionals have raised concerns about the diffusion of algorithmic decision-making into various aspects of the production, dissemination, and consumption of journalism (Bell & Owen, 2017). However, largely absent from these discussions have been comparative empirical analyses that examine if/how algorithmically assisted editorial outcomes differ from traditional, humangenerated editorial outcomes.

#### **Research Questions**

#### RQ1:

To what extent do the number of stories displayed differ across the *Times'* front page, home page, and Facebook page?

#### RQ2:

To what extent is there story duplication across the *Times'* front page, home page, and Facebook page?

#### RQ3:

How do the *Times* front page, home page, and Facebook page differ in terms of their ratios of hard to soft news?

#### RQ4:

How does story type diversity differ across the *Times'* front page, home page, and Facebook page?

#### Method

Two month's worth of story metadata was gathered from the *Times'* and Facebook APIs in the spring of 2018. Only stories appearing on the front page, home page, or the main *Times* Facebook page were included in the analysis, under the logic that each of these contexts represents a mechanism to showcase the most relevant news of the day. For each story, the metadata includes the section in which the story appears in the print/online version of the paper, as well as story abstracts. These story section categories serve as the basis for the diversity analysis. Story abstracts were content analyzed by a trained coder using established criteria for categorizing individual stories as either hard or soft news. Intercoder reliability, utilziing Krippendorff's Alpha, was .86.

## Results

**RQ1: Number of Stories** 

Table 1: Number of Stories by Platform

Platform	Stories	Avg. Stories/Day
Front Page	1085	18.08
Home Page	2162	36.03
Facebook Page	<u>3152</u>	52.53
G	<del>6399</del>	

**RQ2: Story Duplication** 

## Table 2: Story Duplication

Platform	Percentage (N=4332)
Front Page Only	5.79
Home Page Only	19.55
Facebook Page Only	36.66
Front Page and Home Page	1.89
Front Page and Facebook Page	7.64
Home Page and Facebook Page	18.74
Front Page, Home Page, and Facebook Page	9.72

### RQ3: Hard/Soft News

Table 3: Hard Versus Soft News

Platform	Hard News (%)	Soft News (%)
Front Page (n=1085)	80.97 <sup>ac</sup>	19.03
Home Page (n=2139*)	74.57 <sup>bc</sup>	25.43
Facebook Page (n=3219*)	74.87 <sup>ab</sup>	25.13

$$\chi^2$$
 = 19.1747 (p < .01)

<sup>\*</sup> Only individual stories were coded as hard/soft - articles like daily briefings and news quizzes are not included in the above numbers.

at = 4.10, p < .01.

bt = .25, p > .05.

c t = 4.07, p < .01.

# RQ4: Story Diversity

Table 4: Top Four Story Type Concentration Ratios

Platform	Story Category		Share (%)
Front Page (n=1085)			
	U.S.		27.94
	World		19.30
	Business		10.94
	New York		9.38
		Total:	67.56 <sup>ab</sup>
Home Page (n=2192)			
	U.S.		20.48
	World		13.32
	Opinion		11.82
	Business		7.44
		Total:	53.06 <sup>ac</sup>
Facebook Page (n=3246)			
	U.S.		22.40
	World		17.71
	Business		7.64
	Opinion		6.87
		Total:	54.62bc

a t = 7.92; p < .01. b t = 7.48; p < .01. c t = 1.13; p > 05.

Table 5: Story Type Diversity Across Platforms

Platform	HHI
Front Page	1360.78
Home Page	791.94
Facebook Page	920.98

#### Conclusion

To summarize, the New York Times showcases almost as many stories per day via Facebook as it does on its front page and home page combined. From a duplication standpoint, less than ten percent of the stories analyzed appear across all three platforms, indicating that, as gatekeeping mechanisms for showcasing the most newsworthy content, these platforms are operating somewhat differently in terms of individual story selection. From a hard/soft news standpoint, the *Times* home page and Facebook page were equivalent in maintaining a proportion of about 75% hard news; compared with about 80% for the front page. These results contradict the notion (at least within the context of the Times) that social media-disseminated news is likely to have a softer orientation than news showcased on other platforms. The degree of consistency across platforms suggests a fairly uniform commitment to hard news, even if the specific stories showcased differ across platforms. Finally, in terms of story type diversity, the *Times* home page exhibits the greatest story type diversity, followed closely by the Facebook page. Far less story type diversity was exhibited on the *Times* front page, suggesting that a narrower set of news values is being employed there in terms of the types of stories, subject matter-wise, that merit showcasing. That being said, the most prominent story types are fairly consistent across platforms.

Going forward, it would be useful to build on this case study of a single news organization and conduct an analysis that applies this methodology to a large sample of publications. Such an expansion (if it were extensive enough) would allow for the investigation of whether outlet characteristics (organizational size, revenue model, ownership characteristics, etc.) bear a significant relationship to any of the cross-platform content similarities and differences investigated here.

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