

"A fiercely independent press remains fundamental to the stability of our society...Journalists represent the people as much as electeds."



Dan Rather, former host of 60 minutes.

Media Consolidation:

THE ILLUSION OF CHOICE

Media has never been more consolidated. 6 media giants now control a staggering 90% of what we read, watch, or listen to.

THESE SIX COMPANIES ARE:













GE

Notable Properties:

COMCAST

NBC

UNIVERSAL PICTURES

FOCUS FEATURES

NEWS-CORP

Notable Properties:

FOX

WALL STREET JOURNAL

NEW YORK POST

DISNEY

Notable Properties:

ABC

ESPN

PIXAR MIRAMAX

MARVEL

VIACOM

Notable Properties:

MIV

NICK JR

HET

CMT

PARAMOUNT PICTURES

TIME WARNER

Notable Properties:

CNN

TIME

WARNER BROS

CBS

Notable Properties:

SHOWTIME

SMITHSONIAN CHANNEL

NEL.COM

JEOPARDY

60 MINUTES



INSIDE • Do you think Diana is dead? Or have you seen her in Morocco? Call now: 0900 000 0000, If not, call: 0900 000



Problem: Illustrate distinctions between broadsheet and tabloid journalism.

What Can We Measure? The Spectrum of Print Journalism



Tabloids ENQUIRER Q (f) (F) GOT A TIP? GOTCHA! STAKEOUT SHOOTS DOWN PERVERT'S CLAIMS AS SEX ATTACK TRIAL LOOMS! COURT RULING! JIM CARREY TO FACE TRIAL OVER EX-GIRLFRIEND'S DEATH FAMILY PHOTOS! GET OUR EXCLUSIVE OFFER! **BRAD PITT & SON ATTEND FAMILY THERAPY** Superstar struggling to stay involved!

What Can We Measure? The Spectrum of Print Journalism

Broadsheets

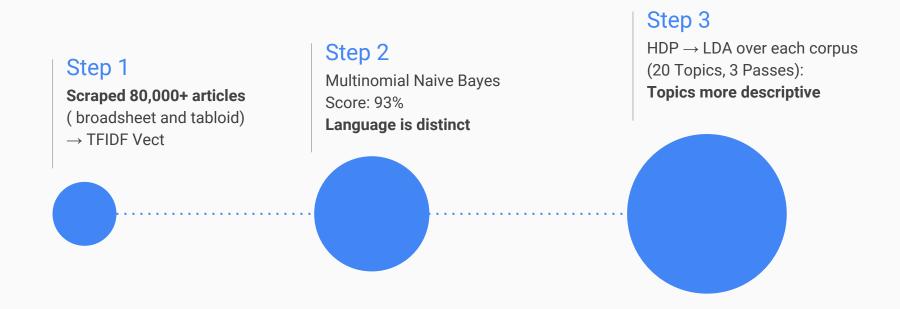
- Disseminate news to the public
- Traditional newsgathering and longer articles
- Focus on 'serious' topics like politics and international news

Tabloids

- Deliver interesting content
- Tend to more racy and sensationalistic
- Focus on 'less serious' topics like culture and celebrity gossip

Unleash the NLP: Confirm the distinctions between broadsheet and tabloid journalism via clustering and topic modeling.

Process



Broadsheet Corpora (2005–2015)



Latent topics:

- Economy
- Context
- Politics

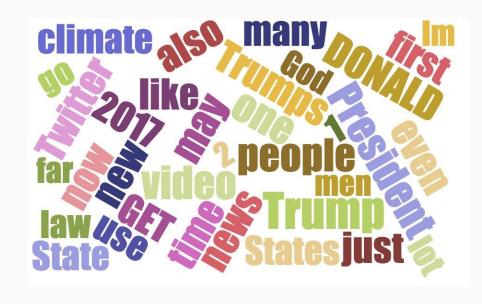
Top 3 Latent Topics for the Tabloid Corpora (2017)

"Whenever trump communicates, things get sensational."

| Latent Topic 2: (21.8%) | 0.012*"heat" + 0.012*"feed" + 0.012*"delivered" + 0.011*"reading" + 0.011*"street" + 0.010*"latest" + 0.010*"thanks" + 0.009*"like" + 0.008*"trump" + 0.006*"video" |
|--------------------------|---|
| Latent Topic 13: (10.0%) | 0.008*"trump" + 0.003*"president" + 0.003*"said" + 0.003*"news" + 0.003*"information" + 0.002*"video" + 0.002*"people" + 0.002*"great" + 0.002*"right" + 0.002*"donald" |
| Latent Topic 5: (8.2%) | 0.013*"trump" + 0.005*"president" + 0.003*"reading" + 0.003*"did" + 0.003*"feed" + 0.003*"heat" + 0.003*"delivered" + 0.003*"spicer" + 0.003*"twitter" + 0.003*"street" |

Latent topics:

Anytime Trump communicates



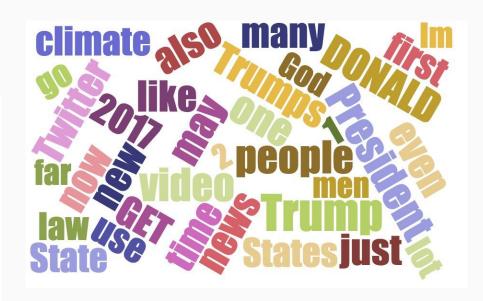
Tabloid Corpora (2017)

Top 3 Latent Topics for the Broadsheet Corpora (2005-2015)

| Latent Topic 8: Economy (13.5%) | 0.012*"percent" + 0.011*"year" + 0.009*"said" + 0.008*"billion" + 0.007*"company" + 0.007*"sales" + 0.006*"quarter" + 0.006*"million" + 0.005*"bank" + 0.005*"market" |
|---|--|
| Latent Topic 15: Issues in Context (7.0%) | 0.007*"new" + 0.005*"year" + 0.004*"like" + 0.004*"company" + 0.003*"city" + 0.003*"school" + 0.003*"old" + 0.003*"prime" + 0.003*"san" + 0.003*"people" |
| Latent Topic 13: Politics (9.1%) | 0.015*"president" + 0.012*"obama" + 0.011*"house" + 0.009*"state" + 0.009*"democrats" + 0.008*"republican" + 0.008*"senate" + 0.007*"republicans" + 0.007*"health" + 0.007*"tax" |

Broadsheet Corpora (2005-2015)





Tabloid Corpora (2017)

Future Work

Show where you are in the process and what's left to tackle

New Question

How can we measure deviation from broadsheet journalism?

New Goal

Develop a classifier that can classify an article's text on the spectrum of print journalism.

Classify Print Sources

See where things fall!

Reference a more objective baseline?

Logistic Regression?
Random Forest Classifier?
Doc2Vec?



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Experts: Digital Media Revolutio Still Another 70 Or 80 Years Awa

NEW YORK—Confirming that the current mandscape has so far shown virtually no sign of a perta told recording that trade, a strong of the perta told recording the period of the period of



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What we care about is what we'll get.





Experts: Digital Media Revolutio Still Another 70 Or 80 Years Awa

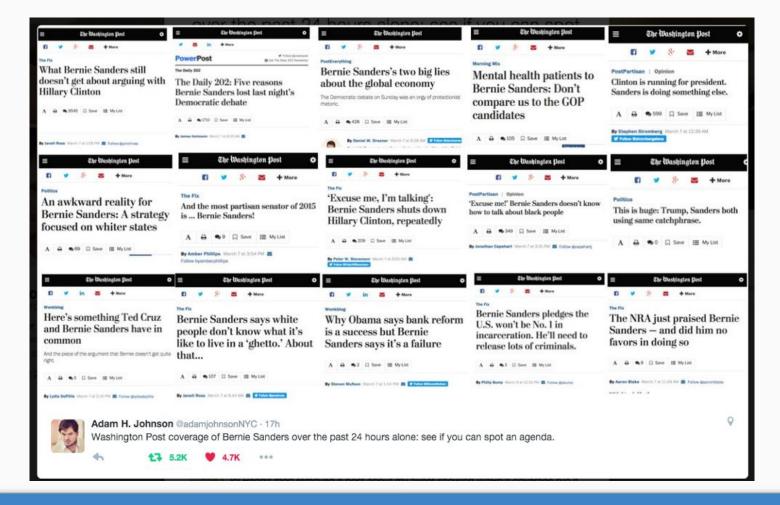
NEW YORK—Confirming that the current is landscape has so far shown virtually no sign of tag away from the lagrative print trade.

Questions?

Appendix

Assumptions & Limitations

- That every article from a given source adheres to the 'seriousness' or 'sensationalist' genre of the publication.
 - Clearly not true
- The corpora covered different time intervals
 - Topic modeling was not comparable
- No intuition for sensitivity along the 'print media' spectrum



2009: Michael Jackson had "six months to live."

In January 2009, the Enquirer reported that pop superstar Michael Jackson had only six months to live because of drug and alcohol addiction.

The singer passed away six months later, in June.



Source Selection

Broadsheet Sources

- New York Times
- Reuters (via circular reporting)
- Associated Press (via circular reporting)

Tabloids

- 30+ Sources including:
 - National Enq
 - o addictinginfo.org
 - o liberalamerica.org
 - o politicususa.com
 - o viraltube.nl
 - And more from Melissa Zimdars' list.

Melissa Zimdars is an assistant professor of communication and media at Merrimack College.

