

# History is written by the *historian*.

A History of Obamacare

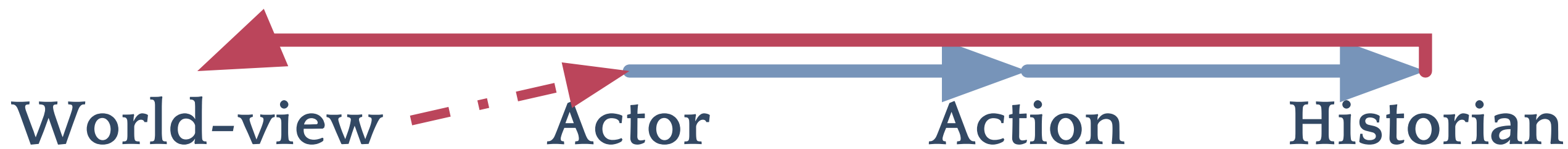
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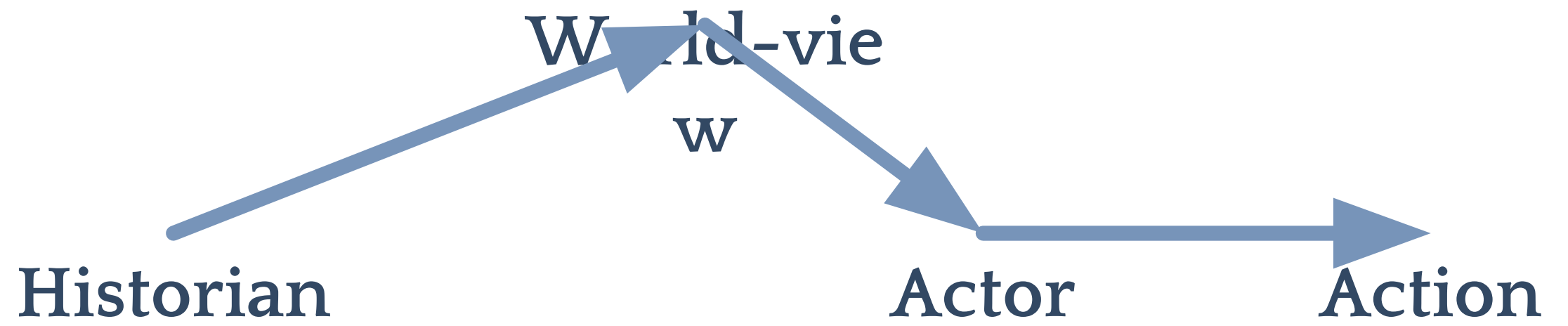
Zhanna Rozenberg  
May 31, 2016



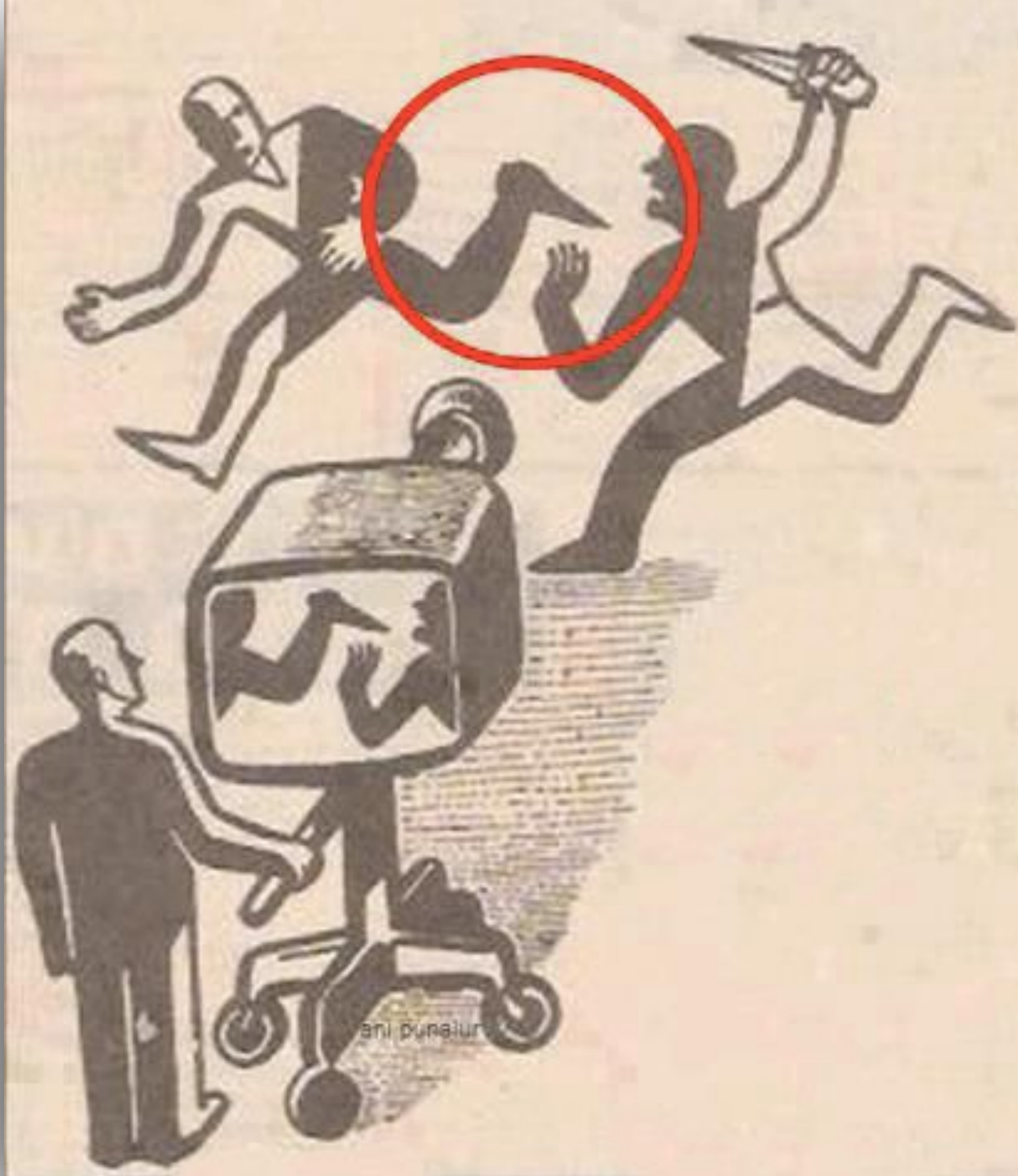


**We're not Worthy!!!!**





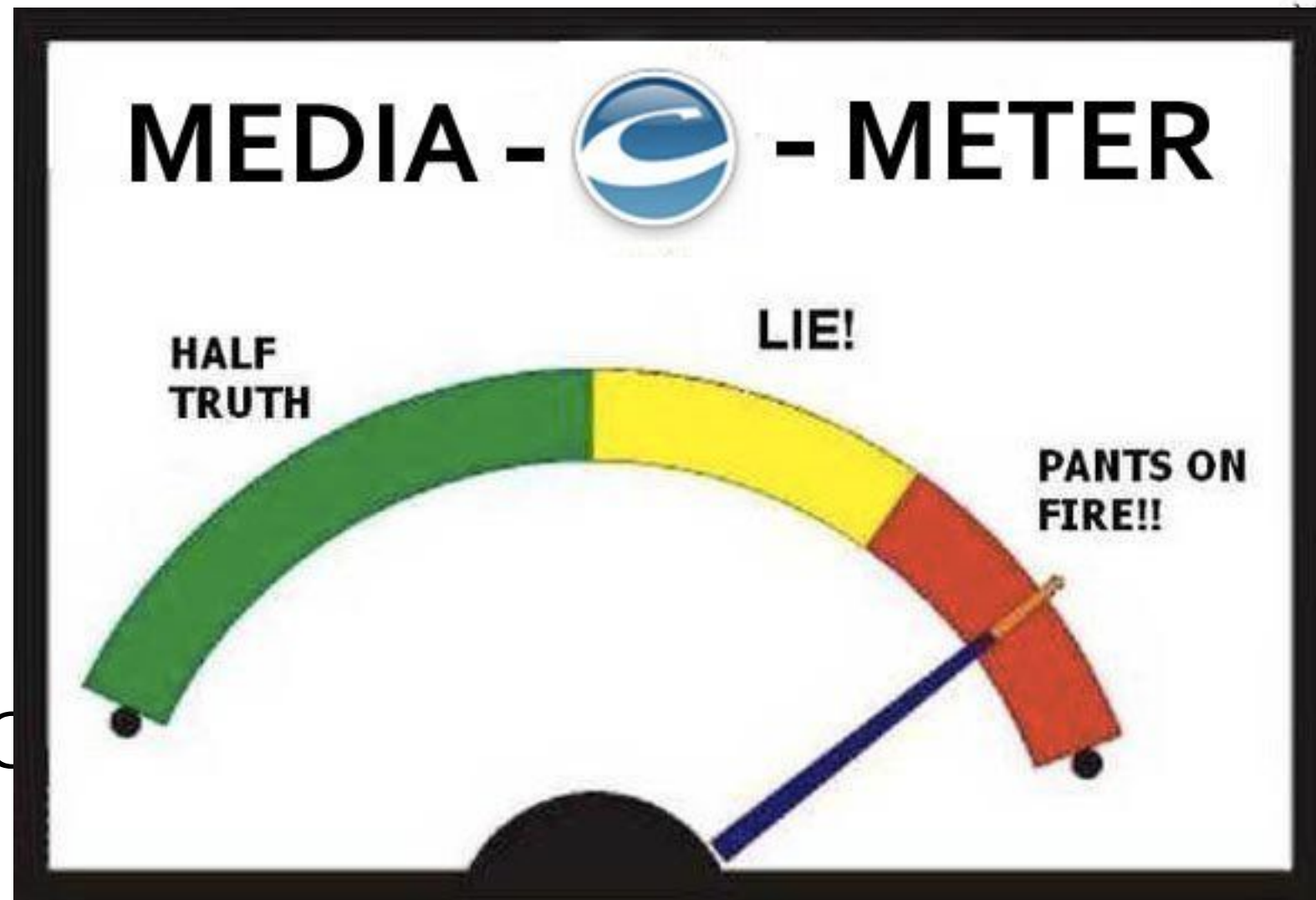




ani pinalur

# Types of Influence? Bias?

- A) Lying -
- B) Sentiment
- C) Selection & C

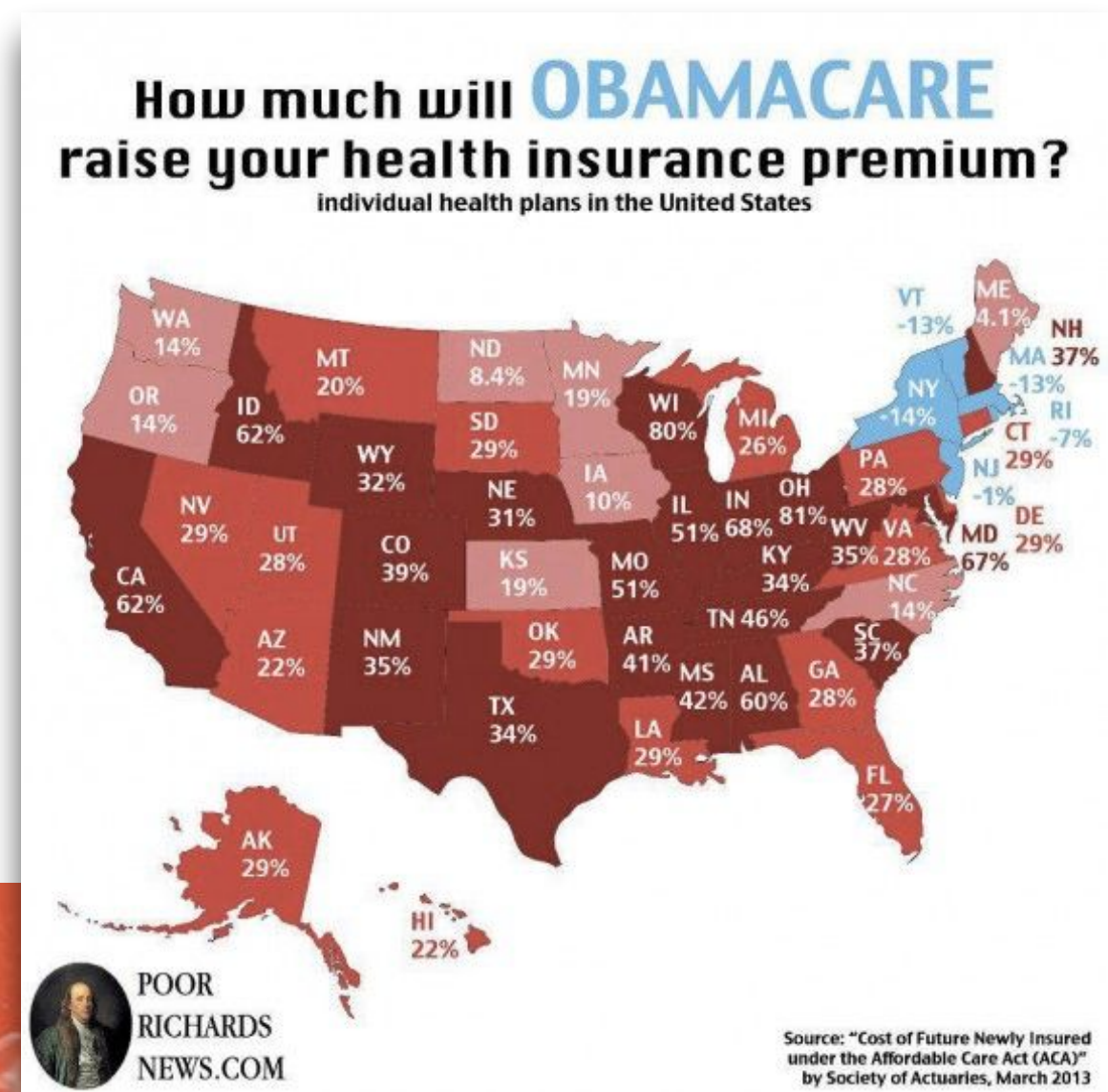




# Obamacare, aka “Affordable Care Act”

160k Articles  
9k Publishers  
June 2013 Onwards

35k articles from top 100\*  
publications (~20%)



**“The facts are clear:  
America is on a  
stronger footing  
because of the  
Affordable Care Act.”**

—PRESIDENT OBAMA

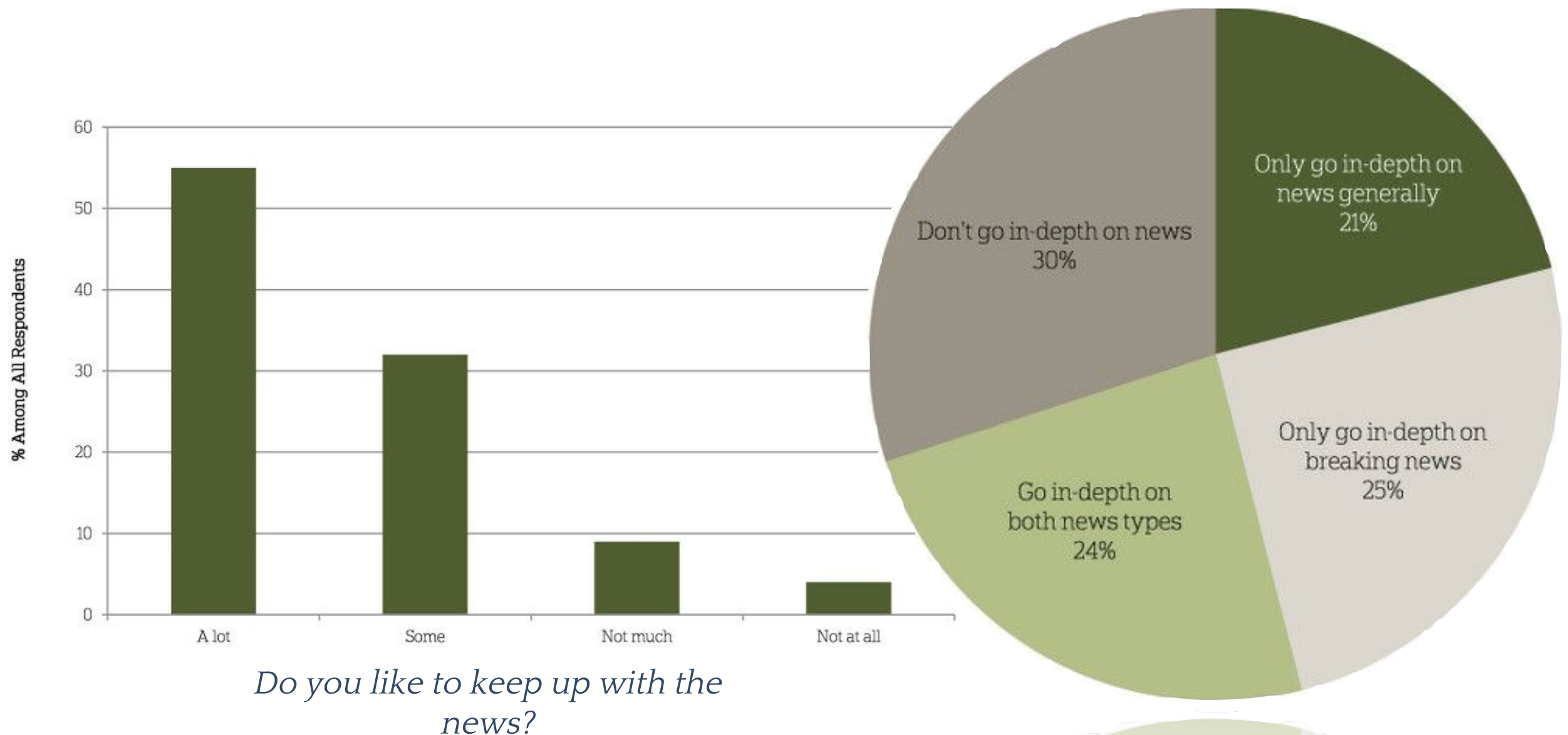




# Optional: Processing / Acquisition

# What's a good benchmark for...

1. “good reporting”? (journalist)
2. “good news consumption”? (regular person)



# My Model:



# What?

1) Identify topics mentioned

a

b

c

2) Assess topics for sentiment

a: + + + +

b: - - - -

c: + - + -

3) Evaluate what's left out

d

e

f

# My Model:

## 1) Identify topics mentioned

a  
b  
c

## 2) Assess topics for sentiment

a: ++++  
b: - - - -  
c: + - + -

## 3) Evaluate what's left out

d  
e  
f

# How?

*Dive right in!*

```
from gensim.summarization import summarize
# 1 Article -> 10% of article
summeryA = summarize(text, ratio=0.1)
# 1 Article -> 100 words
summeryB = summarize(text, word_count=100)
```



```
from vaderSentiment import vaderSentiment
from textblob import TextBlob

for sentence in TextBlob(summeryA).sentences:
    print vaderSentiment.sentiment(str(sentence))
```





# My Model:

## 1) Identify topics mentioned

a  
b  
c

## 2) Assess topics for sentiment

a: ++++  
b: - - - -  
c: + - + -

## 3) Evaluate what's left out

d  
e  
f



# How?

*A few preprocessing steps...*

## ...Single Article

(March 29 2013 from a single author of a given publication)



## ...Many Articles

(March 2013 across publications)



## ... Topic Modeling (via LDA or TFIDF)

a   d  
b   e  
c   f

# My results: an example

## ...Single Article

(March 29 2013 from a single author of a given publication)



### Split decision! Fed appeals courts disagree on Obamacare subsidies

Dan Mangan | @DanMangan  
Tuesday, 22 Jul 2014 | 12:46 PM ET



In a dramatic split decision, two federal appeals panels disagreed Tuesday on the legality of Obamacare subsidies that gave billions of dollars to help 4.7 million people buy insurance on HealthCare.gov.

A panel of the appeals court that covers Washington, D.C., **ruled 2-1 that the subsidies were and are illegal** if issued through that federal exchange, as opposed to one set up by a state.

But about two hours later, a Fourth U.S. Circuit Court of Appeals panel **ruled 3-0 in another case that the subsidies are legal** for people who buy plans on HealthCare.gov, which the federal government operates in 36 states.

The two decisions can be read [here](#).

The circuit split could mean the cases will soon land before the U.S. Supreme Court. For now, the subsidies remain in effect.

The stakes are immense, not least because of the value of the taxpayer-funded subsidies to Obamacare enrollees in two-thirds of the US.

The subsidies are also the linchpin to Obamacare's two mandates.

...

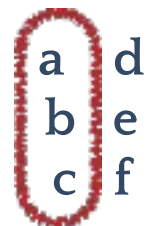
<http://www.cnbc.com/2014/07/22/fed-appeals-court-panel-says-most-obamacare-subsidies-illegal.html>

## ...Many Articles

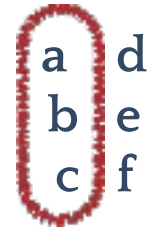


1200 articles  
in June 2014  
by top publishers

Next Step...  
... Topic Modeling  
(via LDA or TFIDF)



# Topic Modeling: TFIDF



“zurich,”



What does Obamacare mean for expats? | US Tax & Financial...

[www.ustaxfs.com/what-does-obamacare-mean-for-expats/](http://www.ustaxfs.com/what-does-obamacare-mean-for-expats/) ▼

Jun 29, 2012 - Update: **Obamacare** penalty tax may apply to expats · **Obamacare** and You. Tags: Affordable Care Act, expats, Healthcare Reform, **obamacare**.

“immigration think,



How Many Illegal Aliens Have Received Obamacare? - Immig...

[immigrationreform.com](http://immigrationreform.com) > Amnesty ▼

Oct 2, 2014 - (Id.; see Washington Post, **Mar. 25, 2014**) In a press release last ... to why they think illegal immigrants should be eligible for **Obamacare**.

“impact birth control,”  
“impact birth”



ObamaCare Birth Control - Obamacare Facts

[obamacarefacts.com/obamacare-birth-control/](http://obamacarefacts.com/obamacare-birth-control/) ▼

**ObamaCare** covers one type of **birth control** from each of 18 FDA approved ... 67% of insured women on the **pill** were projected to be paying \$0 for it in **2014** (up from only ... As of **July 2015** all plans, except for the following, must provide at least one ... since **ObamaCare's** requirement to provide free **contraception** took **effect**.

“immutable”



King Barack Rewrites Obamacare... Again | The American Sp...

[spectator.org/60016\\_king-barack-rewrites-obam...](http://spectator.org/60016_king-barack-rewrites-obam...) ▼ The American Spectator ▼

Jul 21, 2014 - **July 21, 2014, 8:00 am**. **Obamacare's** supporters have long insisted that it is the “law of the land,” implicitly suggesting that it is **immutable** and permanent.



# Future Work

- a) Integrate parts into cohesive pipeline
- b) Creating a website that will analyze any given article
- c) NLP-based regressions for social media influence (likes, shares, etc)