

# Text Summarizer

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# Applications





CIO JOURNAL

# Learning to Apply Data Science to Business Problems

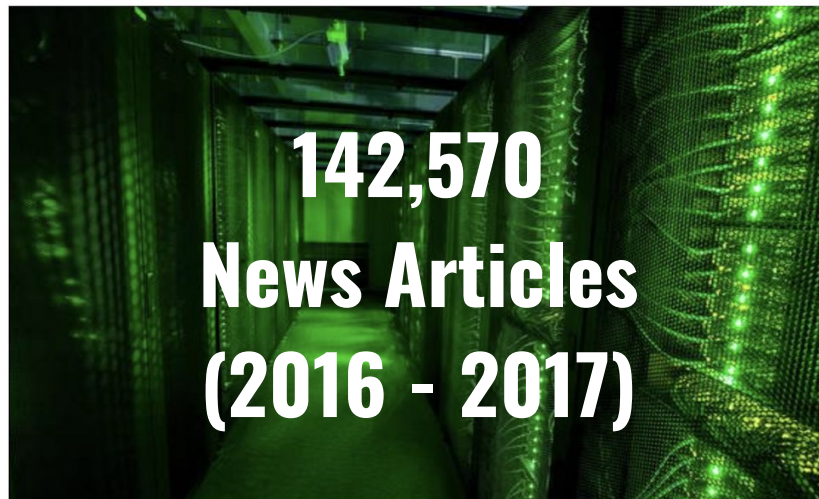
By Irving Wladawsky-Berger

**Author**

0 COMMENTS

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**Published  
Date**



Servers for data storage are seen at Advania's Thor Data Center in Hafnarfjörður, Iceland  
REUTERS

**Content**

One of the most exciting parts of data science is that it can be applied to many domains of knowledge, given our newfound ability to gather valuable data on almost any topic. But, doing so effectively requires domain expertise to identify the important problems to solve in a given area. We also need to understand the questions we should be asking and the kinds of answers we should be looking for, as well as how to best present whatever insights

**Headline**

## Recommended Videos

1. How Cohen's Guilty Plea Could Impact President Trump
2. How We Got to the Longest Bull Run in History
3. Is Violence in Afghanistan a Prelude to Diplomatic Activity?
4. Samsung Galaxy Note 9 Review: The All-The-Things Phone
5. Worst Floods in a Century Lash Southern India

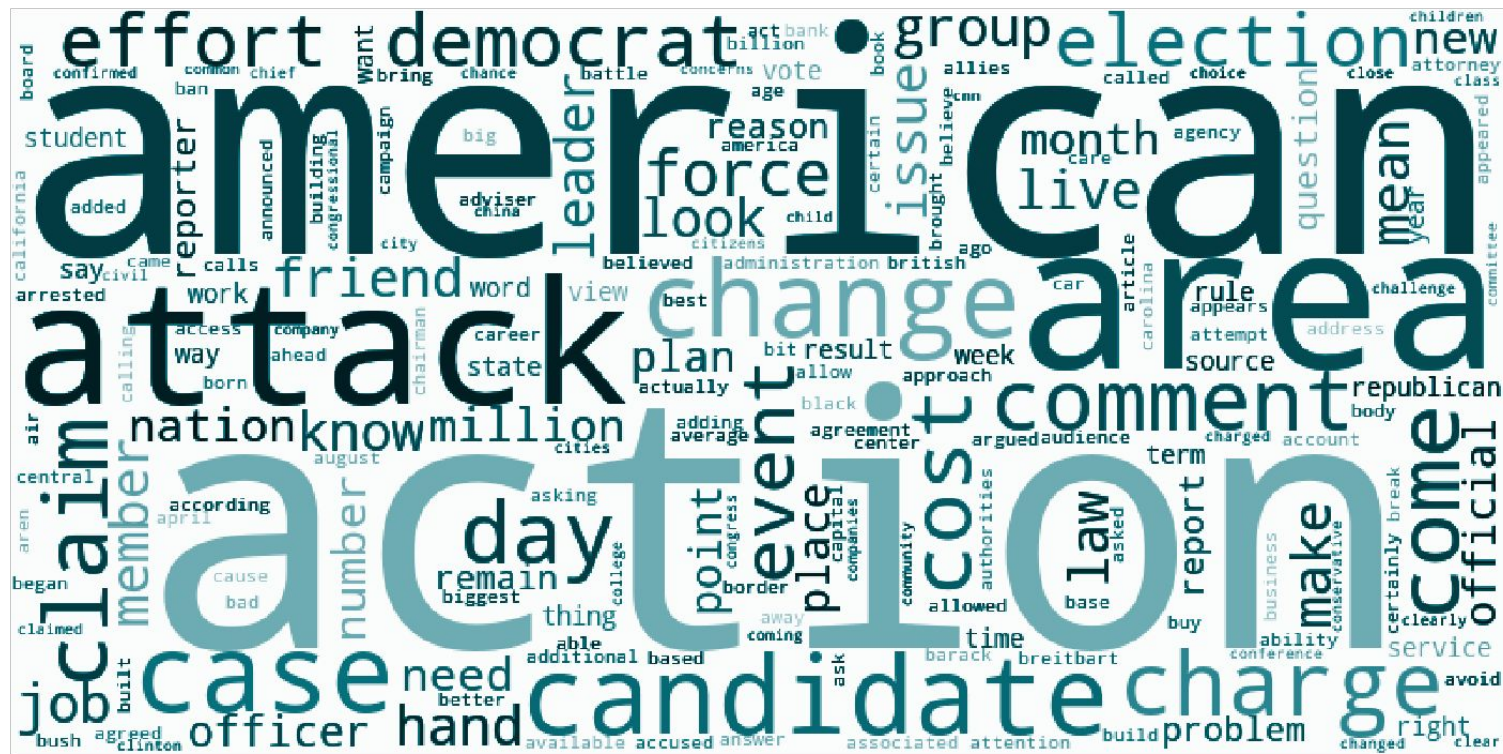


## Most Popular Articles

1. Michael Cohen Pleads Guilty, Says Trump Told Him to Pay Off Women
2. Paul Manafort Convicted of Eight Counts of Fraud



## Most frequent words in the dataset



# What's in the dataset?

Election



Business



Lifestyle



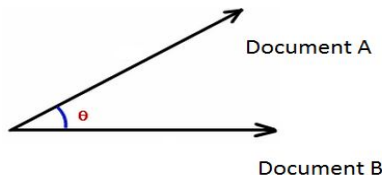
Government  
Policy

# Approach of building a summarizer

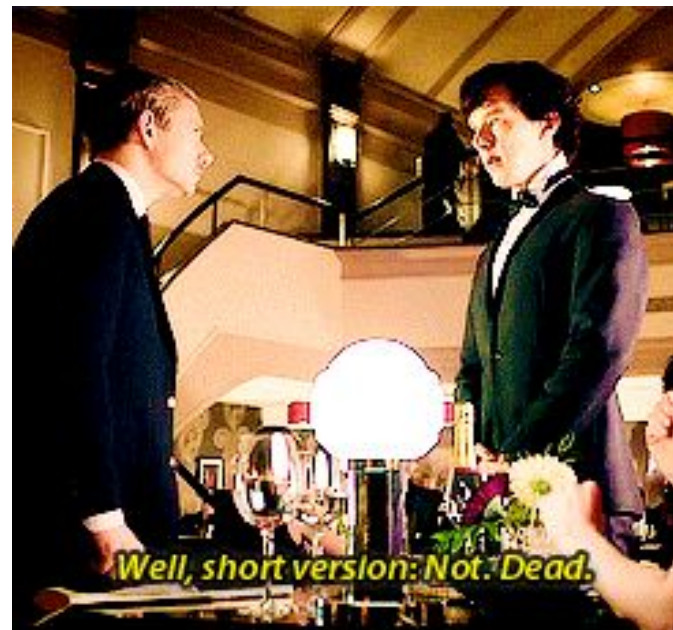
## Extractive Text Summarization

### CountVectorizer + Cosine Similarity

	also	love	programming
love programming	0	1	1
programming also love	1	1	1



Find the sentences with the  
highest cosine similarity





# House Republicans Fret About Winning Their Health Care Suit

Content: WASHINGTON — Congressional Republicans have a new fear when it comes to their health care lawsuit against the Obama administration: They might win. The incoming Trump administration could choose to no longer defend the executive branch against the suit, which challenges the administration's authority to spend billions of dollars on health insurance subsidies for Americans, handing House Republicans a big victory on issues. But a sudden loss of the disputed subsidies could conceivably cause the health care program to implode, leaving millions of people without access to health insurance before Republicans have prepared a replacement. That could lead to chaos in the insurance market and spur a political backlash just as Republicans gain full control of the government. To stave off that outcome, Republicans could find themselves in the awkward position of appropriating huge sums to temporarily prop up the Obama health care law, angering conservative voters who have been demanding an end to the law for years. In another twist, Donald J. Trump's administration, worried about preserving executive branch prerogatives, could choose to fight its Republican allies in the House on some central questions in the dispute. Eager to avoid an ugly political pileup, Republicans on Capitol Hill and the Trump transition team are gaming out how to handle the lawsuit, which, after the election, has been put in limbo until at least late February by the United States Court of Appeals for the District of Columbia Circuit. They are not yet ready to divulge their strategy. "Given that this pending litigation involves the Obama administration and Congress, it would be inappropriate to comment," said Phillip J. Blando, a spokesman for the Trump transition effort. "Upon taking office, the Trump administration will evaluate this case and all related aspects of the Affordable Care Act." In a potentially decisive ruling in 2015, Judge Rosemary M. Collyer ruled that House Republicans had the standing to sue the executive branch over a spending dispute and that the Obama administration had been distributing the health insurance subsidies, in violation of the Constitution, without approval from Congress. The Justice Department, confident that Judge Collyer's decision would be reversed, quickly appealed, and the subsidies have remained in place during the appeal. In successfully seeking a temporary halt in the proceedings after Mr. Trump won, House Republicans last month told the court that they "and the president's transition team currently are discussing potential options for resolution of this matter, to take effect after the president's inauguration on Jan. 20, 2017." The suspension of the case, House lawyers said, will "provide the president and his future administration time to consider whether to continue prosecuting or to otherwise resolve this appeal." Republican leadership officials in the House acknowledge the possibility of "cascading effects" if the payments, which have totaled an estimated \$13 billion, are suddenly stopped. Insurers that receive the subsidies in exchange for paying costs such as deductibles and for eligible consumers could race to drop coverage since they would be losing money. Over all, the loss of the subsidies could destabilize the entire program and cause a lack of confidence that leads other insurers to seek a quick exit as well. Anticipating that the Trump administration might not be inclined to mount a vigorous fight against the House Republicans given the president-elect's dim view of the health care law, a team of lawyers this month on behalf of two participants in the health care program. In their request, the lawyers predicted that a deal between House Republicans and the new administration to dismiss or settle the case "will produce devastating consequences for the individuals who receive these reductions, as well as for the nation's health insurance and health care systems generally." No matter what happens, House Republicans say, they want to prevail on two overarching concepts: the congressional power of the purse, and the right of Congress to sue the executive branch if it violates the Constitution regarding that spending power. House Republicans contend that Congress never appropriated the money for the subsidies, as required by the Constitution. In the suit, which was initially championed by John A. Boehner, the House speaker at the time, and later in House committee reports, Republicans asserted that the administration, desperate for the funding, had required the Treasury Department to provide it despite widespread internal skepticism that the spending was proper. The White House said that the spending was a permanent part of the law passed in 2010, and that no annual appropriation was required — even though the administration initially sought one. Just as important to House Republicans, Judge Collyer found that Congress had the standing to sue the White House on this issue — a ruling that many legal experts said was flawed — and they want that precedent to be set to restore congressional leverage over the executive branch. But on spending power and standing, the Trump administration may come under pressure from advocates of presidential authority to fight the House no matter their shared views on health care, since those precedents could have broad repercussions. It is a complicated set of dynamics illustrating how a quick legal victory for the House in the Trump era might come with costs that Republicans never anticipated when they took on the Obama White House.



In a potentially far-reaching decision in 2015, Judge Rosemary M. Collyer ruled that House Republicans had the standing to sue the executive branch over a spending dispute and that the Obama administration had been distributing the health insurance subsidies, in violation of the Constitution, without approval from Congress.

Anticipating that the Trump administration might not be inclined to mount a vigorous fight against the House Republicans given the president-elect's dim view of the health care law, a team of lawyers this month sought to intervene in the case on behalf of two participants in the health care program.

# House Republicans Fret About Winning Their Health Care Suit

## LSA Summarizer from Sumy

WASHINGTON — Congressional Republicans have a new fear when it comes to their two-year-old health care lawsuit against the Obama administration: They might win.

But on spending power and standing, the Trump administration may come under pressure from advocates of presidential authority to fight the House no matter their shared views on health care, since those precedents could have broad repercussions.

## Summarizer from Gensim

The incoming Trump administration could choose to no longer defend the executive branch against the suit, which challenges the administration's authority to spend billions of dollars on health insurance subsidies for low- and moderate-income Americans, handing House Republicans a big victory on separation-of-power issues.

In a potentially far-reaching decision in 2015, Judge Rosemary M. Collyer ruled that House Republicans had the standing to sue the executive branch over a spending dispute and that the Obama administration had been distributing the health insurance subsidies, in violation of the Constitution, without approval from Congress.



# Future Improvement

- Abstractive Summarizer (Tensorflow etc.)
- Recall Oriented Understudy for Gisting Evaluation

(ROUGE) can be used to evaluate  
the summary



Thank  
you

