

Project at Webis

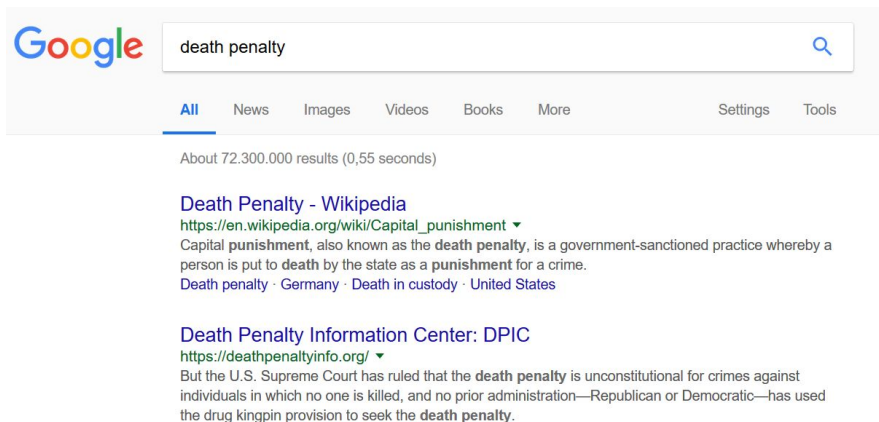
Argument Search Engine - Argument Ranking and Summarization

Roxanne El Baff, Johannes Kiesel, Yamen Ajjour, Khalid El Khatib,
Benno Stein

What is the **future**
of web **search** ?

A Search Engine for each Information Need

We want more than **facts** from a search engine



A Search Engine for each Information Need

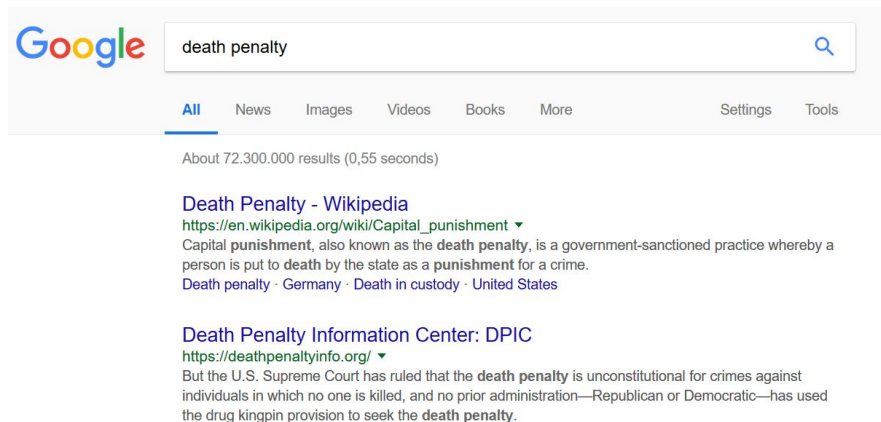
We want more than **facts** from a search engine



is **donald trump** dangerous? why allow **euthanasia**
Should we **ban exams** **israel palestine two-state solution**
death penalty good or bad arguments against **nuclear energy**
how to **punish children?** **iPhone** vs. **Galaxy**

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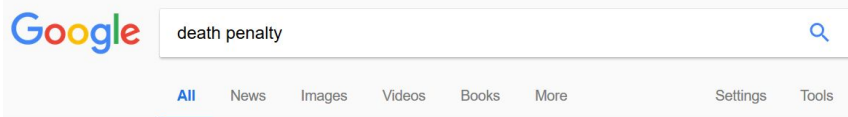
We want a search engine that understands queries aiming for **arguments**

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About 72.300.000 results (0,55 seconds)

Death Penalty - Wikipedia

https://en.wikipedia.org/wiki/Capital_punishment

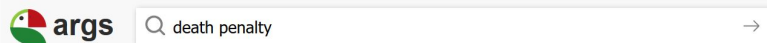
Capital punishment, also known as the death penalty, is a government-sanctioned practice whereby a person is put to death by the state as a punishment for a crime.

[Death penalty](#) · [Germany](#) · [Death in custody](#) · [United States](#)

Death Penalty Information Center: DPIC

<https://deathpenaltyinfo.org/>

But the U.S. Supreme Court has ruled that the death penalty is unconstitutional for crimes against individuals in which no one is killed, and no prior administration—Republican or Democratic—has used the drug kingpin provision to seek the death penalty.



Page 1 of 1940 arguments, 975 pro, 965 con (retrieved in 3040.9ms)

[Pro vs. Con View](#) | [Overall Ranking View](#)

Pro

The death penalty is a useful and fair punishment....

<http://www.debate.org/debates/Death-Penalty/173/>

The death penalty is a useful and fair punishment. It shouldn't be used just to get rid of someone, but to repay what they did to someone else. If you murder, death ... [score](#)

Rebuttal 1: Why not just do it with a firing...

<http://www.debate.org/debates/Death-Penalty/142/>

the electric chair. All of these are cost efficient ways of executing the death penalty. My opponent may also state that the trial will take longer, but the trial is going to cost money ... [score](#)

Con

However, there are other punishment that can make...

<http://www.debate.org/debates/Death-penalty/160/>

However, there are other punishment that can make the murderer painful. Death penalty isn't only method to punish the murderer. Death is an unusual punishment. There are flaws in ... [score](#)

First, the death penalty is very expensive. In...

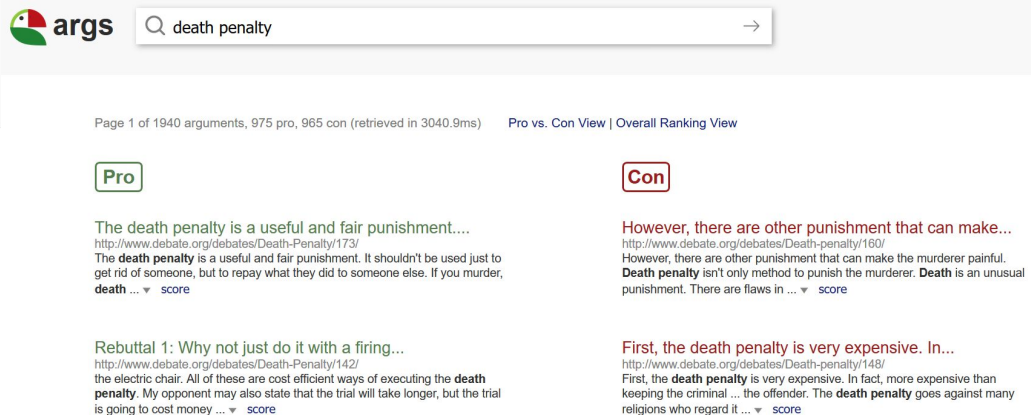
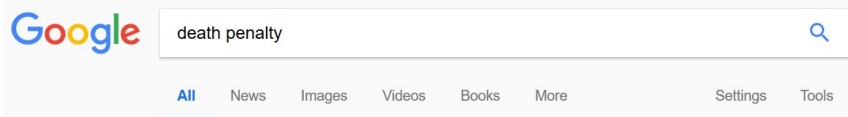
<http://www.debate.org/debates/Death-penalty/148/>

First, the death penalty is very expensive. In fact, more expensive than keeping the criminal ... the offender. The death penalty goes against many religions who regard it ... [score](#)

A Search Engine for each Information Need

We want more than **facts** from a search engine

We want a search engine that understands queries aiming for **arguments**



... we already started shaping the **future** by building the world's first argument search engine

Let's continue **shaping**
the **future !**

Staying the Best in Argument Search



Q death penalty



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args

Q death penalty



Interpret
query as
argumentative

Showing results for *the death penalty should not be abolished* **negate** [Not what i meant](#)

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Staying the Best in Argument Search



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Fair punishment for certain crimes

Rebuttal 1: Why not just do it with a firing...

<http://www.debate.org/debates/Death-Penalty/142/>

Use more cost efficient method for
death penalty

Con

However, there are other punishment that can make...

<http://www.debate.org/debates/Death-penalty/160/>

There are more painful ways for
punishment than death penalty

First, the death penalty is very expensive. In...

<http://www.debate.org/debates/Death-penalty/148/>

Death penalty is not cost efficient

Rank
Arguments

Summarize
snippets

Staying the Best in Argument Search

...and more

Staying the Best in Argument Search

...and more

Let **Alexa** meet **args.me**



Apply for our project

- **You will learn to...**
 - Implement and scale an argument search engine
 - Develop and integrate retrieval and ranking algorithms
 - Design and implement web-services for Alexa

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- You have good programming skills (Java)
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Question? → roxanne.el.baff@uni-weimar.de