



Election Debate Visualisation

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# Election Debate Visualisation Project

edv-project.net



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and skills



UNIVERSITY OF LEEDS



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Debate Analytics

# **Leeds & OU research on the 2010 Election Debates**

Faculty of Performance, Visual Arts and Communications

UNIVERSITY OF LEEDS

## Institute of Communications Studies

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You are here: [Institute of Communications Studies](#) » [People](#) » Professor Stephen Coleman

### Professor Stephen Coleman

Professor of Political Communication

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Univ. Leeds prior research into  
public response to the televised  
2010 Election Debates


UNIVERSITY OF OXFORD REUTERS INSTITUTE for the STUDY of JOURNALISM

# CHALLENGES

## Leaders in the Living Room

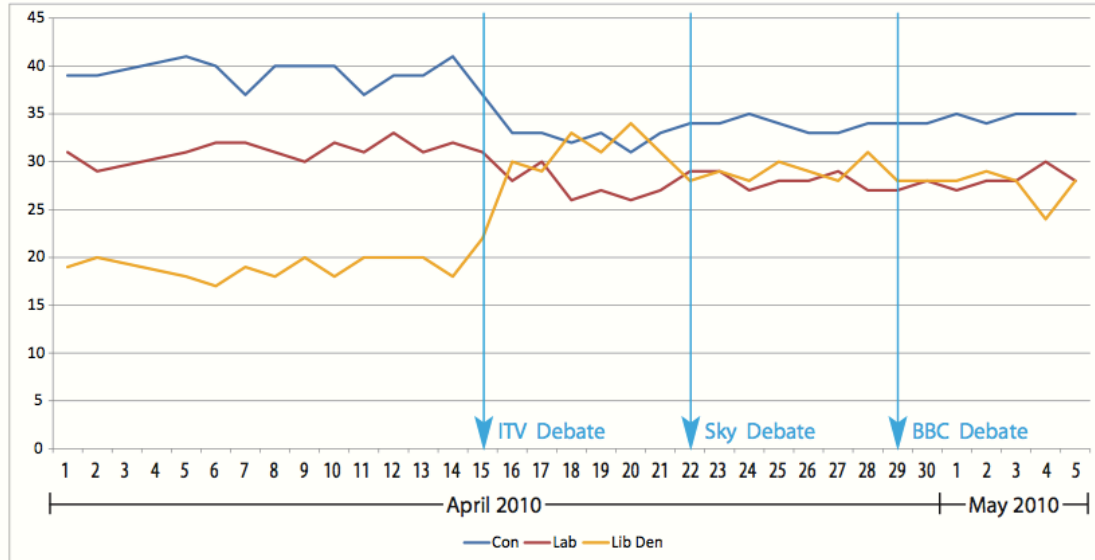
The Prime Ministerial Debates of 2010:  
Evidence, Evaluation and Some Recommendations

**Edited by Stephen Coleman**

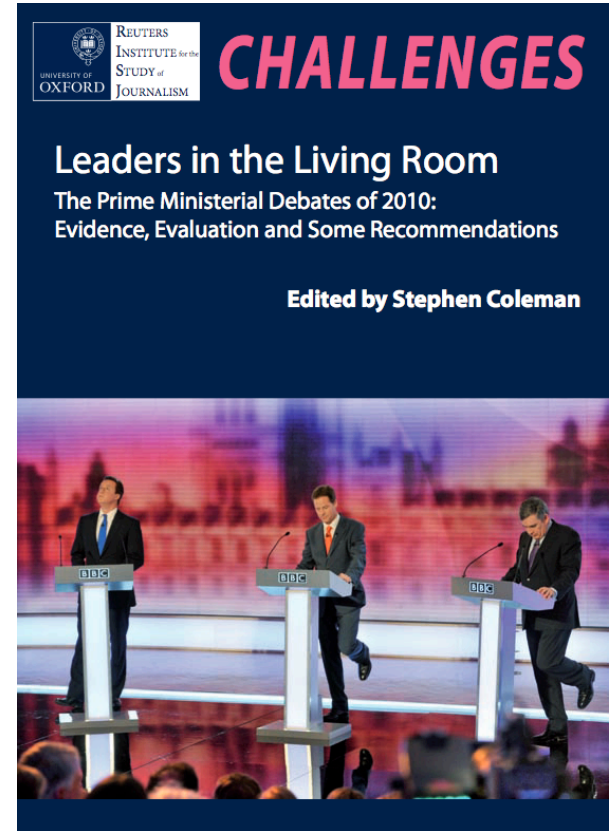




# Impact of the 3 debates on voter intentions

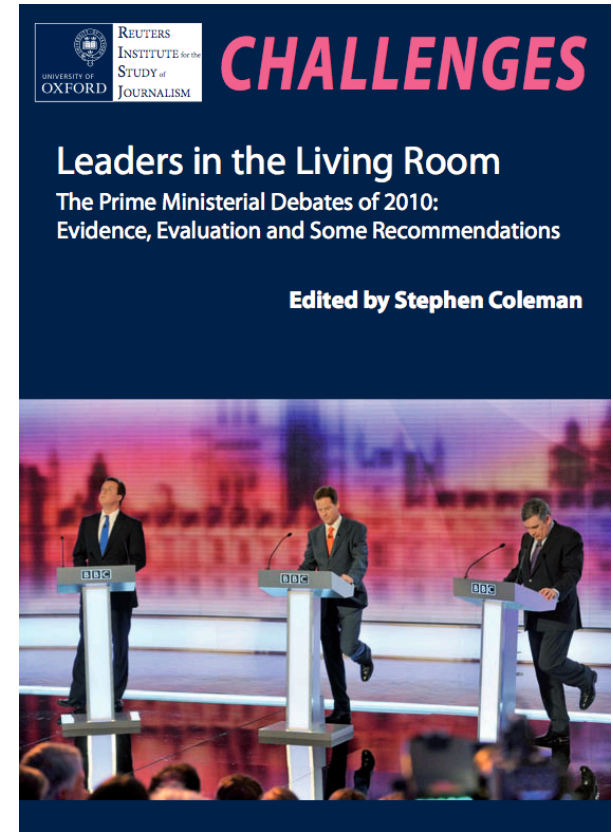


**Figure A1** Party voting intentions over the campaign  
(Source: YouGov polls)

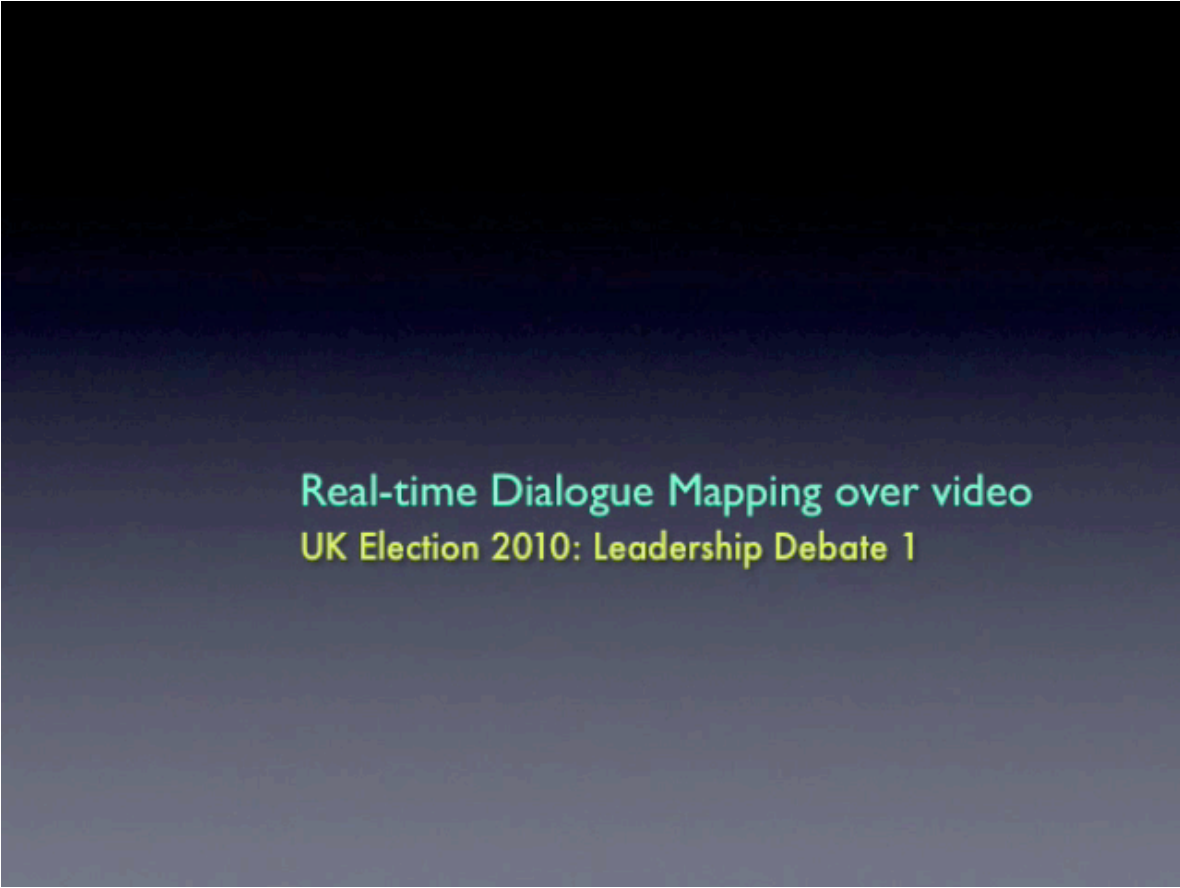


# Key findings...

- the British public appreciated the debates
- 2/3 said they'd learnt something new
- they seemed to energise first-time voters
- people would talk about them afterwards (esp. younger voters)
- media coverage shifted from focusing on the 'game' to the substance



# Mapping the UK election TV debates at the OU



Real-time Dialogue Mapping over video  
UK Election 2010: Leadership Debate 1

<http://people.kmi.open.ac.uk/sbs/2010/04/debate-replay-with-map>

# **The EDV Project 2013-2016**



## Main project objectives

1. **Political Communication Research:** understand how election debates connect with and may enable democratic citizenship
2. **Computing/Informatics/Design Research:** develop an election debate replay web platform that will provide new ways for citizens to experience and evaluate election debates

[edv-project.net](http://edv-project.net)



# Election Debate Visualisation



## Qualitative research: citizens' perceptions of election debates

12 focus groups conducted at Leeds:

- Disengaged Voters
- Committed Party Supporters
- Undecided Voters
- First-time Voters
- Active Users of the Internet
- (Performers)

Male/Female; 8~10 people per group



## Election Debate Visualisation



## Democratic capabilities & entitlements

1. Be respected as a rational and independent decision-maker
2. Be able to evaluate political claims and make an informed decision
3. Feel part of the debate as a democratic cultural event
4. Be able to communicate with and be recognized by the leaders who want to represent me
5. Be able to make a difference to what happens in the political world

# **New Modes of Engagement with Televised Political Debate through Audience Feedback**



# Setting the Problem

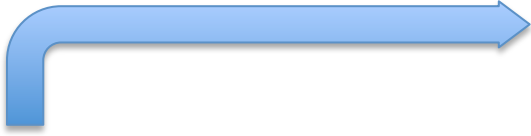
The way people engage with televised political debates today is progressively shifting **from “passive” viewing** of a television programme, to **“active” participation** to a multiple media event

The past....



The present...

The past....



The present...



The past....

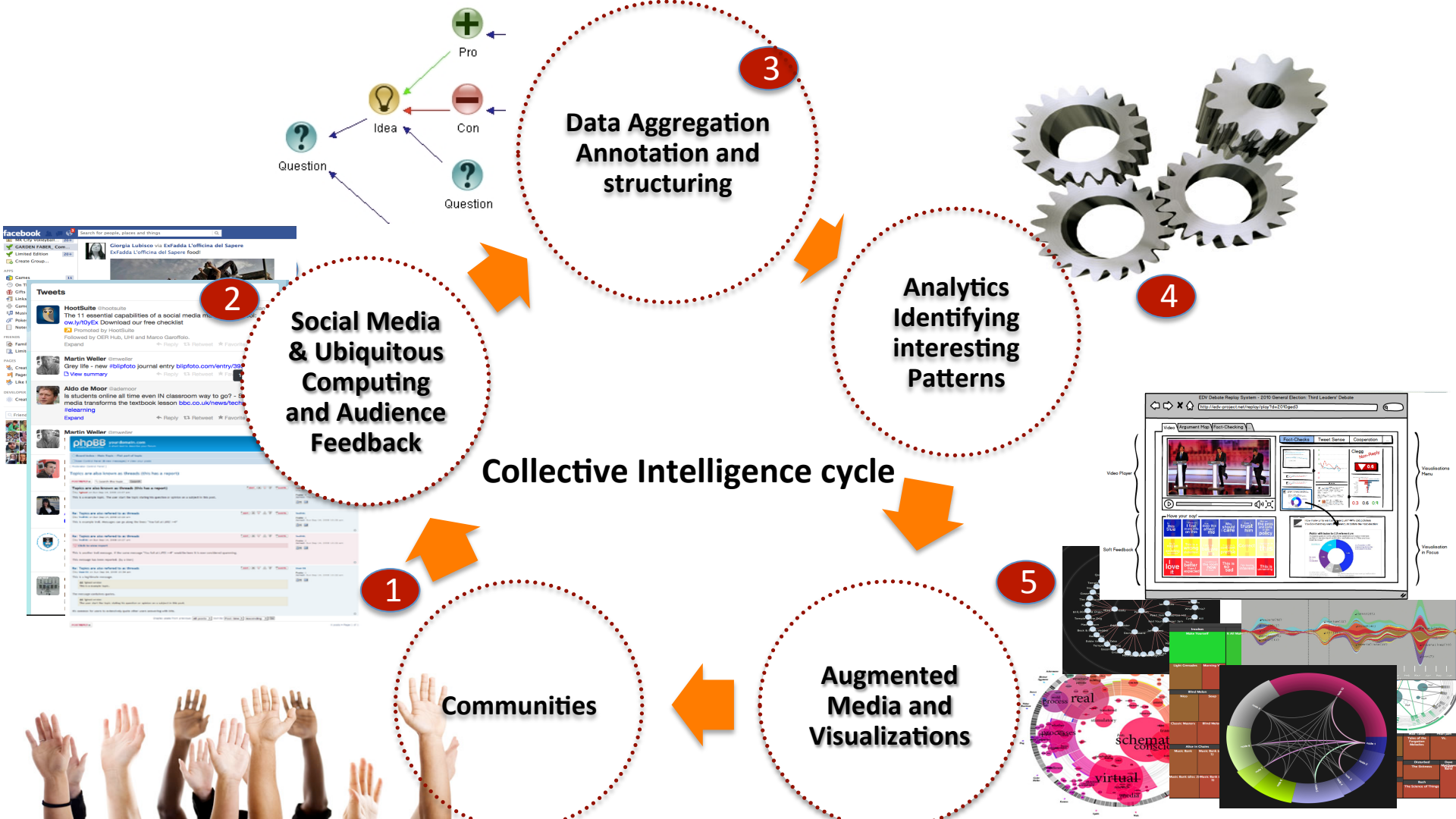


? The Future ?



# Research Questions:

- Is this new “**participation experience**” really informative? And to what extent does it improve citizens’ confidence about the issues discussed?
- Do social media voices truly capture the richness of citizens’ reactions to political debates?
- **What could we learn about the audience of political election debate, and about the debate as media event, if we had better analytical tools to scrutinize audience’s understanding and reactions?**



# Harnessing Audience Reactions



## ‘Soft’ Feedback:

- Controlled and nuanced
- Voluntary and non-intrusive
- Enabling analytics and visualisations

# Audience Feedback Objectives

- **promoting active engagement** by enabling the audience to react to the televised debates in new non-intrusive, yet expressive, and timely manner;
- harnessing and analysing viewers' reactions **to better understand the audience** and their debate experience;
- providing new metrics to **assess the debate as media event** in terms of its capability to engage the audience aesthetically, emotionally, intellectually and critically.

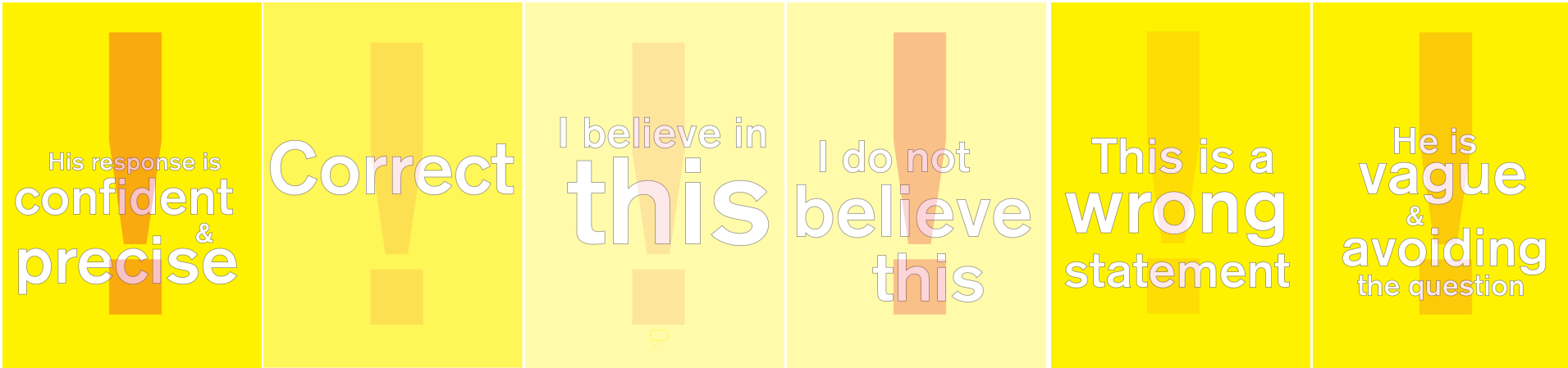


# A paper prototype: the flashcard experiment

- 18 flashcards in 3 categories
  - Emotion
  - Trust
  - Information need
- 15 participants watched the second Clegg-Farage debate live
- Video annotations in *Compendium* (and YouTube!)



# Trust Cards



designed to provide insights on the main motivations for audience's trust/distrust.

...with the goal in mind to distinguish between trust on the speaker, the debate content, and pre-existing beliefs.

# Emotion Cards



Designed to provide insights on audience's emotional reactions to the debate and can be used as proxy to assess people engagement with the speakers and the debated topics.

# Questions Cards

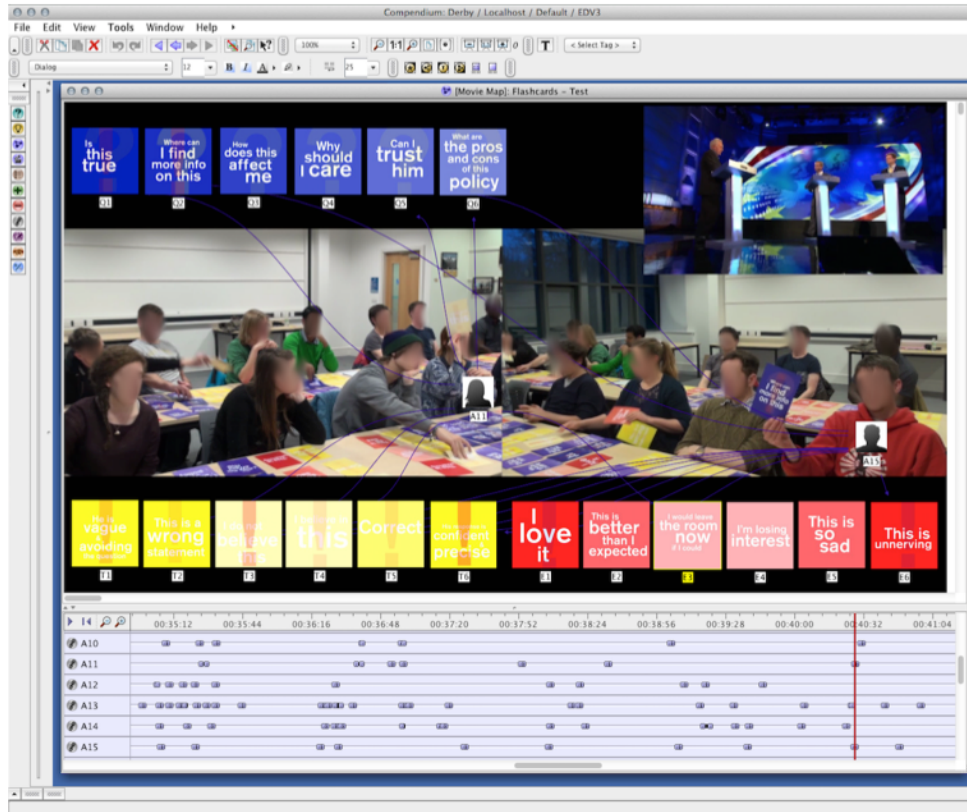


Designed to provide insights on audience's information needs.  
..to inform the type of information analysis and visualizations to be implemented in the EDV replay platform, in order to make the audience viewing experience more informative.

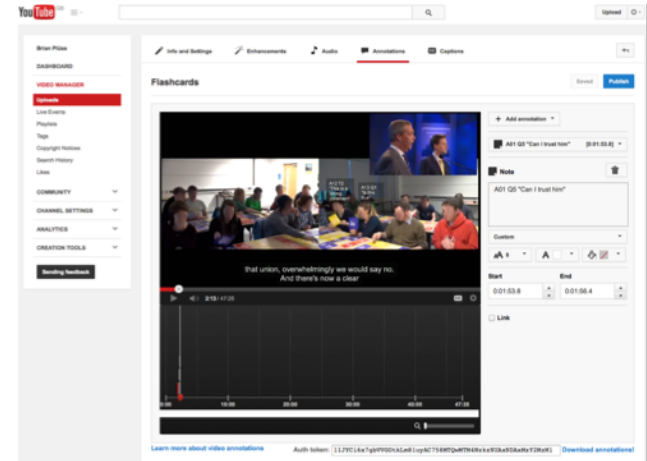
# A paper prototype: the flashcard experiment



# Coding and Annotation of the Video

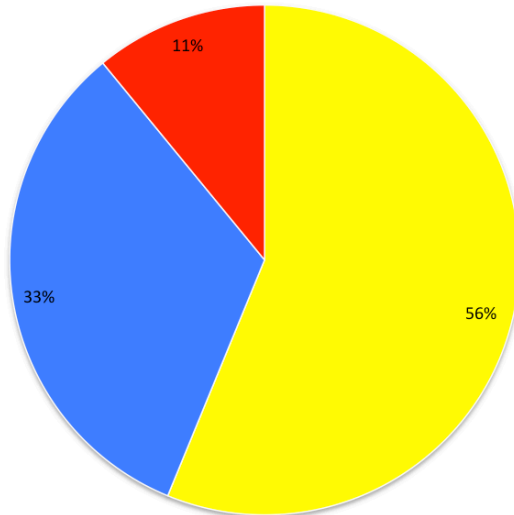


- Quantitative analysis
- Frequently used/unused cards
- Most used categories
- Do the dimensions make sense?

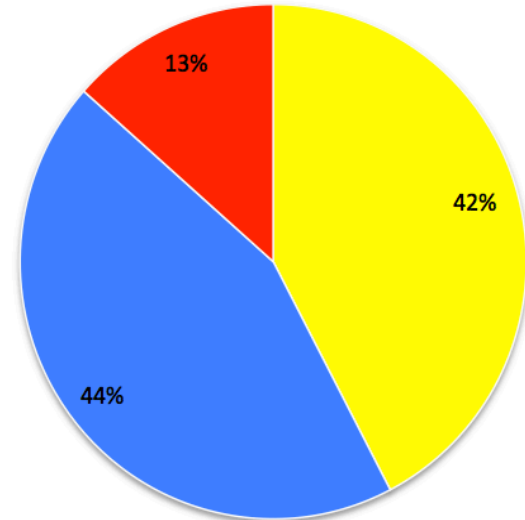




## Clegg's VS Farage's Reactions triggers

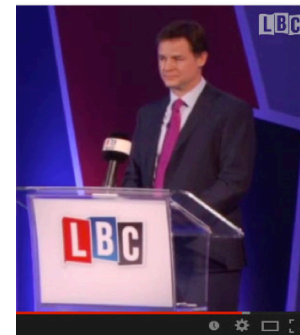
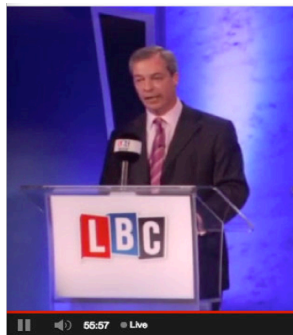


- Trust Cards
- Questions Cards
- Emotion Cards

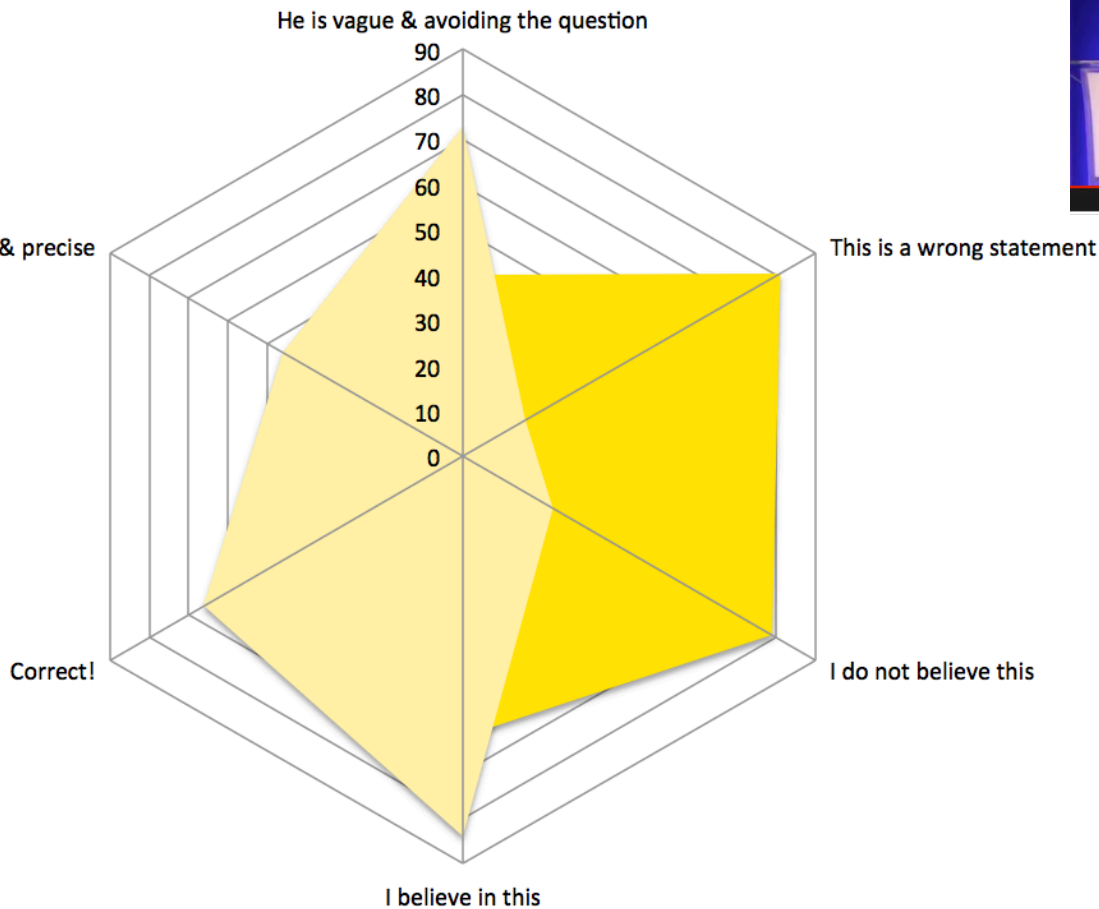


# Trust based reactions to statements

## Farage (dark) and Clegg (light)



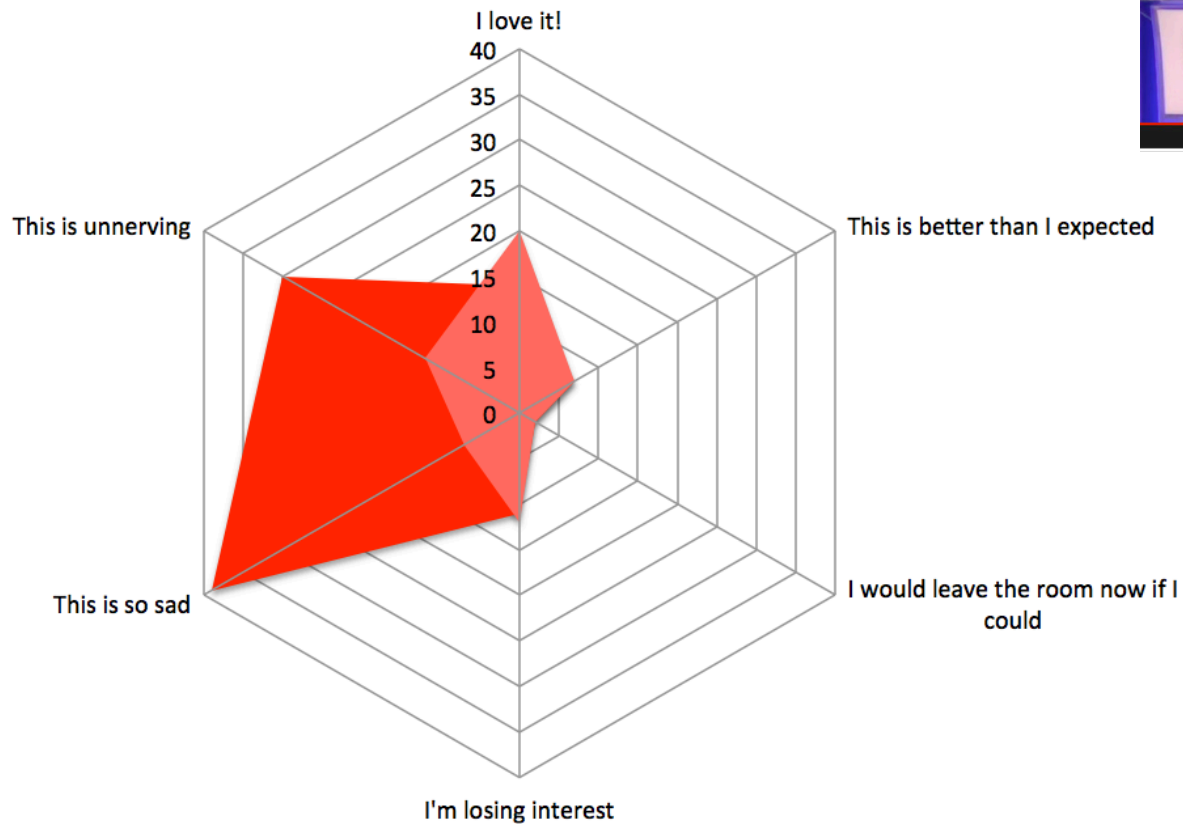
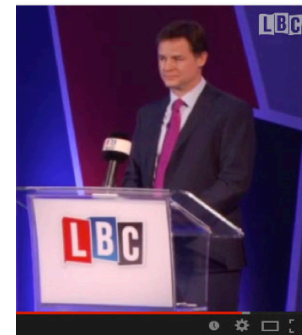
His response is confident & precise





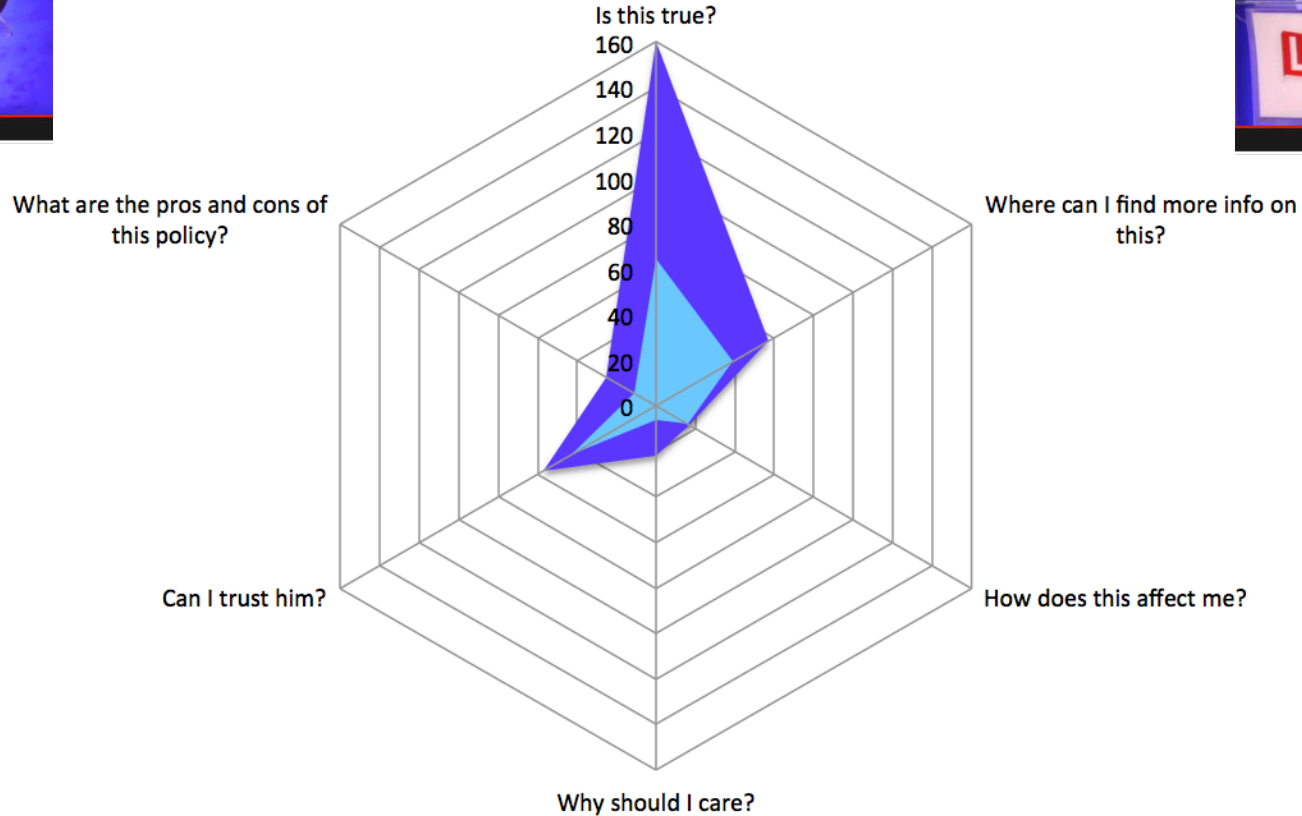
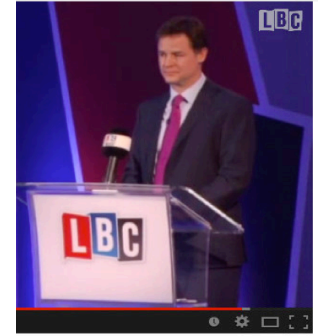
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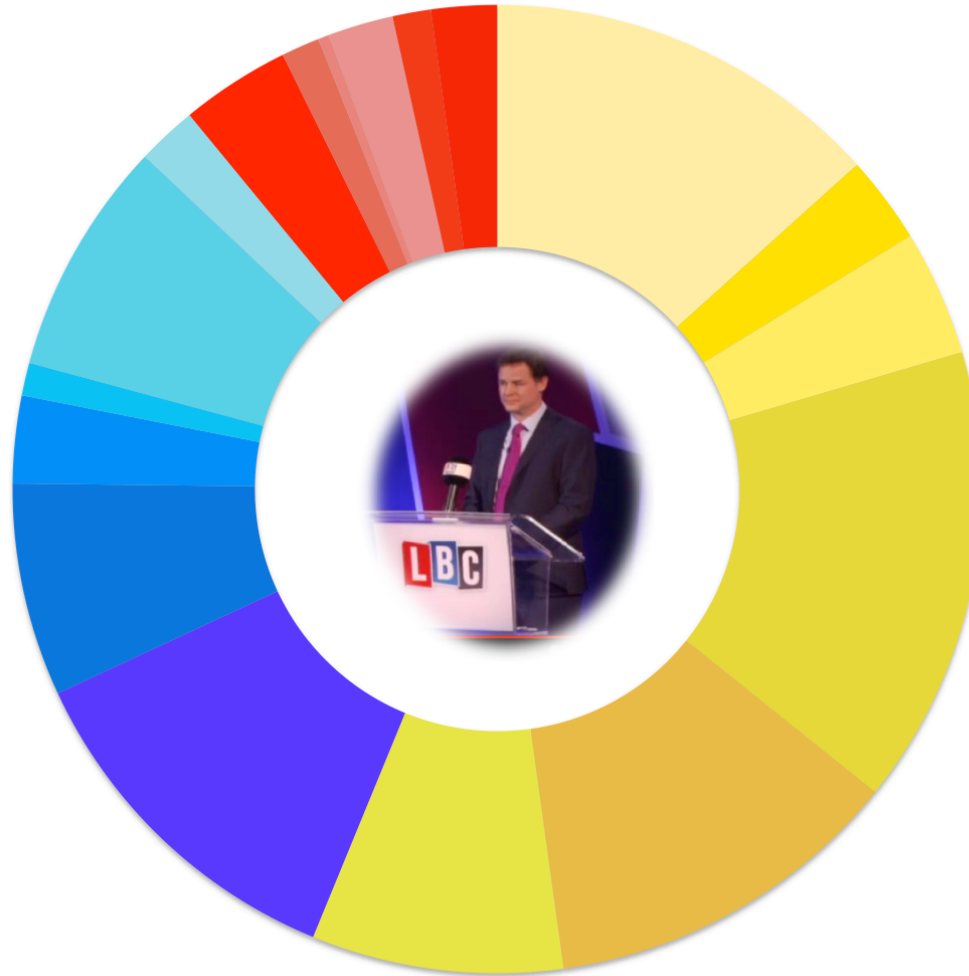


# Information need reactions to statements

## Farage (dark) and Clegg (light)

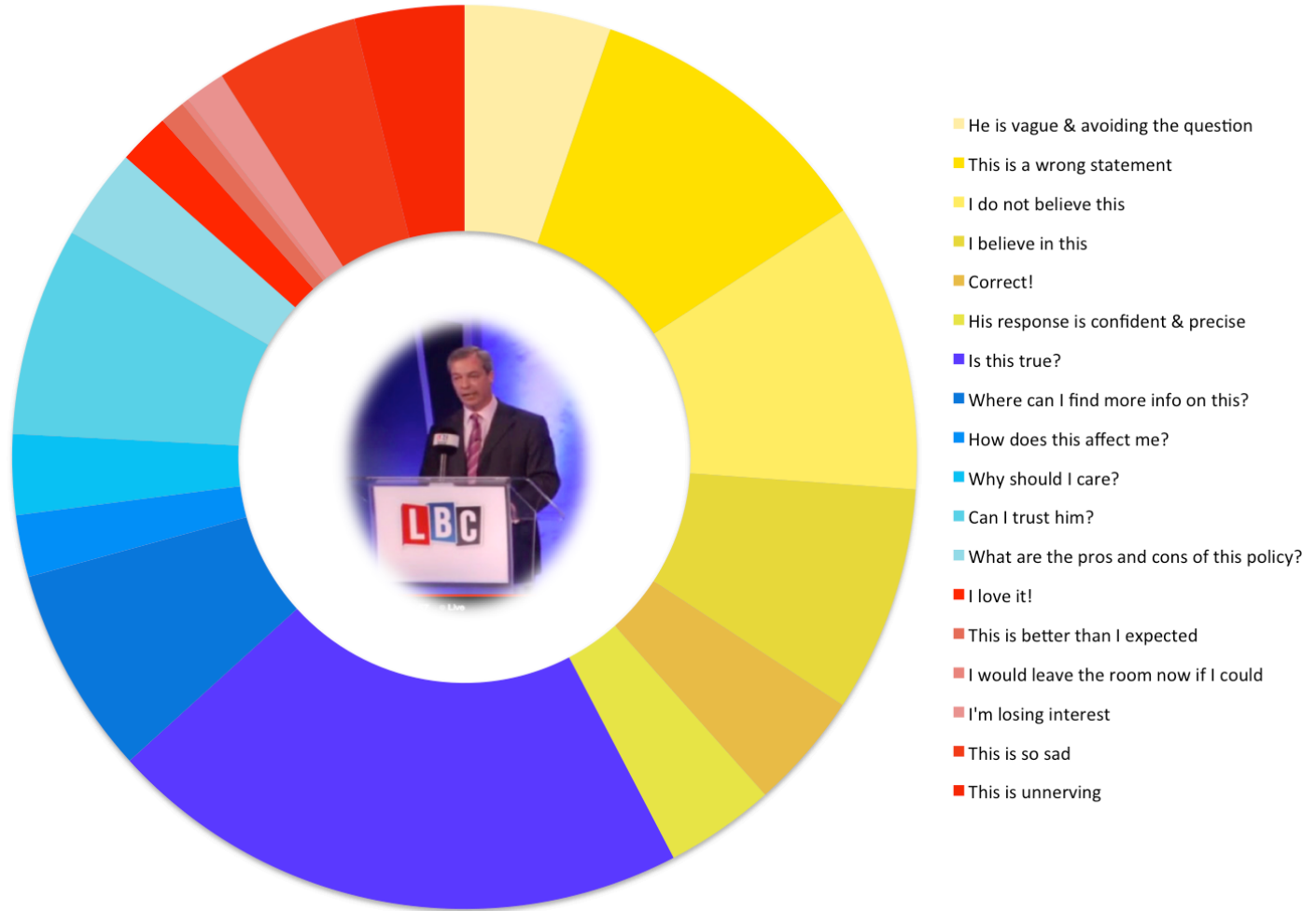


Explore in details one of the speakers perceived performance



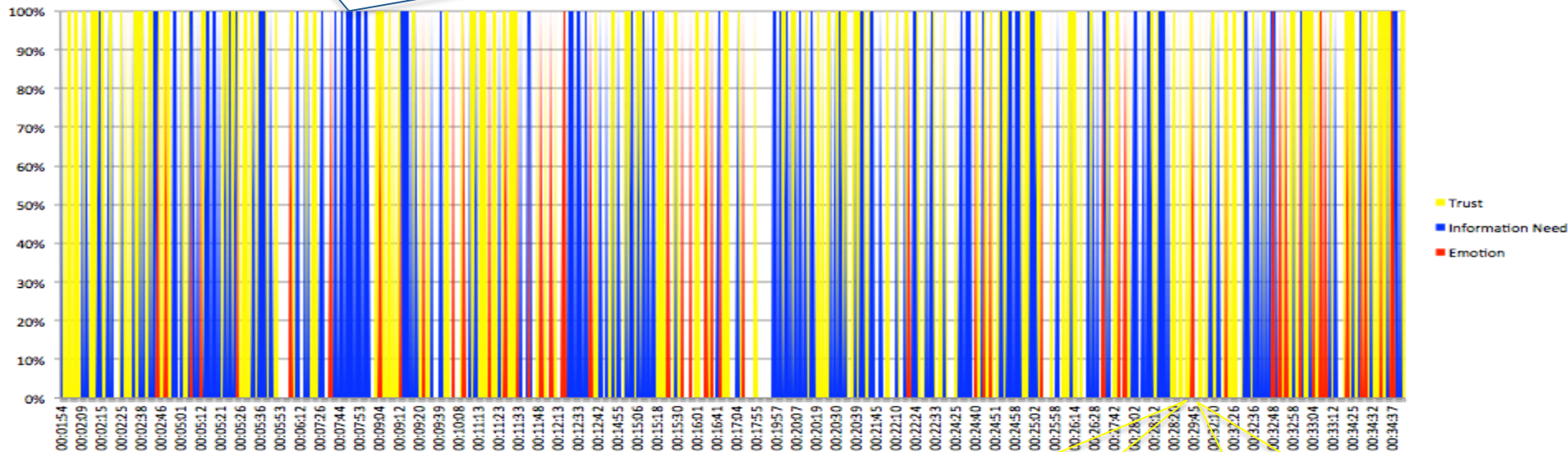
- He is vague & avoiding the question
- This is a wrong statement
- I do not believe this
- I believe in this
- Correct!
- His response is confident & precise
- Is this true?
- Where can I find more info on this?
- How does this affect me?
- Why should I care?
- Can I trust him?
- What are the pros and cons of this policy?
- I love it!
- This is better than I expected
- I would leave the room now if I could
- I'm losing interest
- This is so sad
- This is unnerving

Explore in details one of the speakers perceived performance



**Farage:** "...actually sixty-two percent of the people that were surveyed in that British car manufacture interview they want serious reform within the European Union if they're gonna stay as members. So, far from the top line being true, two-thirds of them are saying unless we get reform then the time has come to leave the EU."

**Is this TRUE?**  
**Where can I find more info on this?**



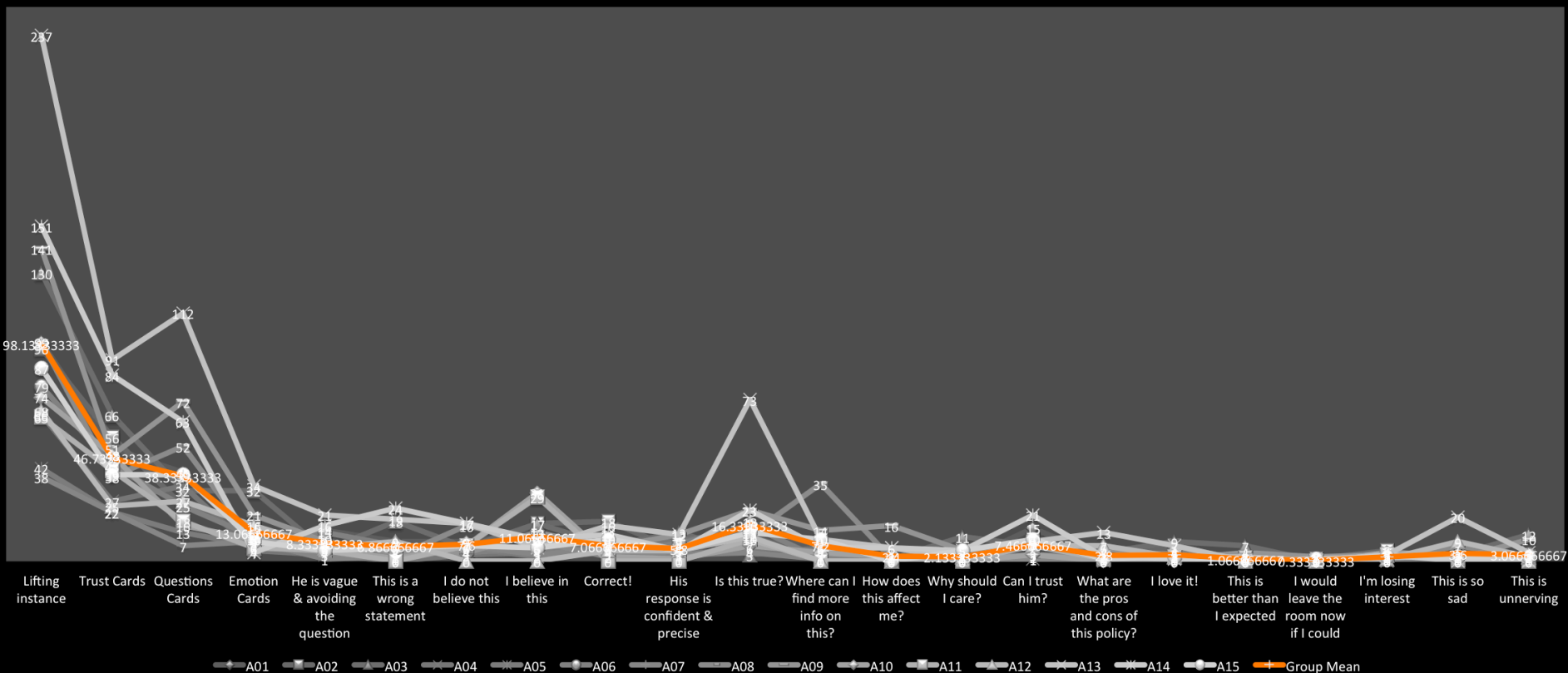
**Farage:** "You can't do that. You haven't got this power. You haven't got this control."

**Clegg:** "Yes, you do. Yes, you do."

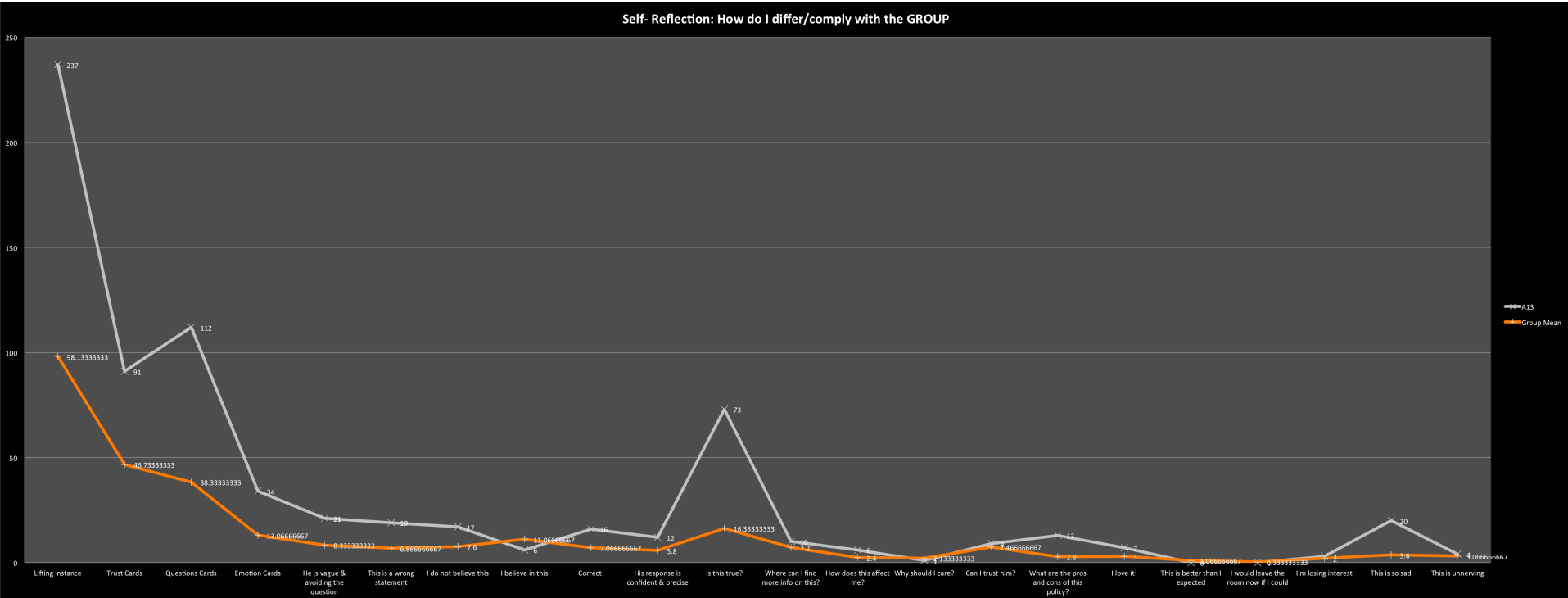
**Farage:** "We do not have that power as members of the European Union and that's the truth of it."

**Clegg:** "Yes, you do. Yes."

**Who to TRUST?**



# Self- Reflection: How do I differ/comply with the GROUP?

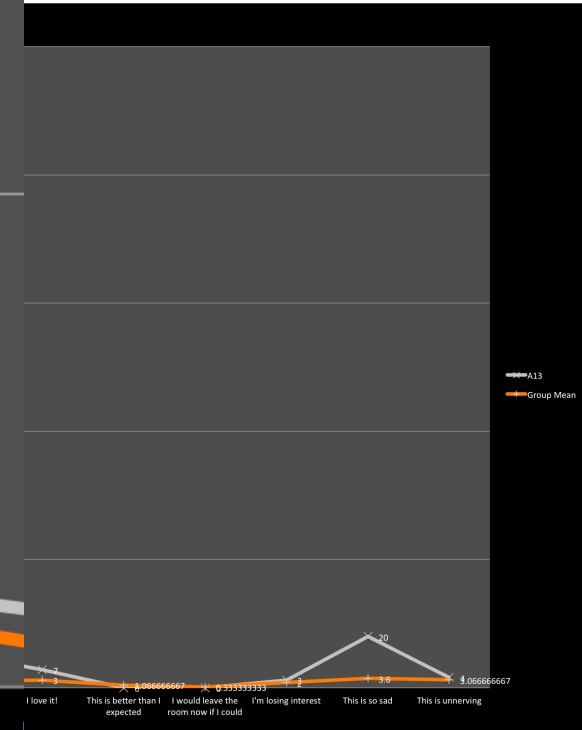


Me VS the Group



# Self-Reflect

# h the GROUP?

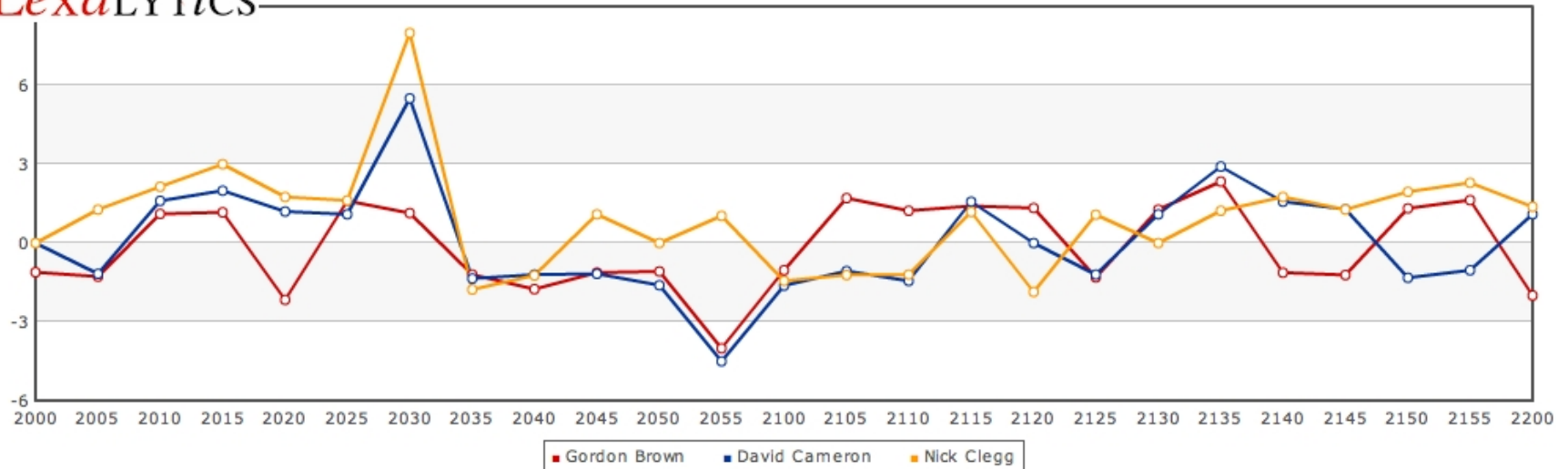




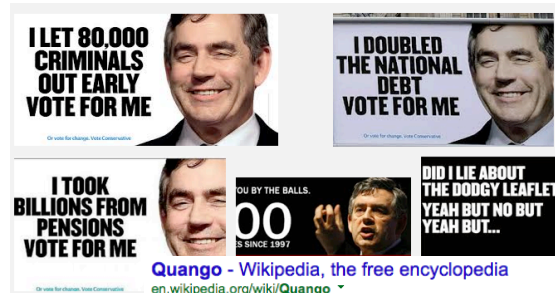
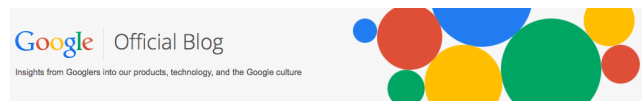
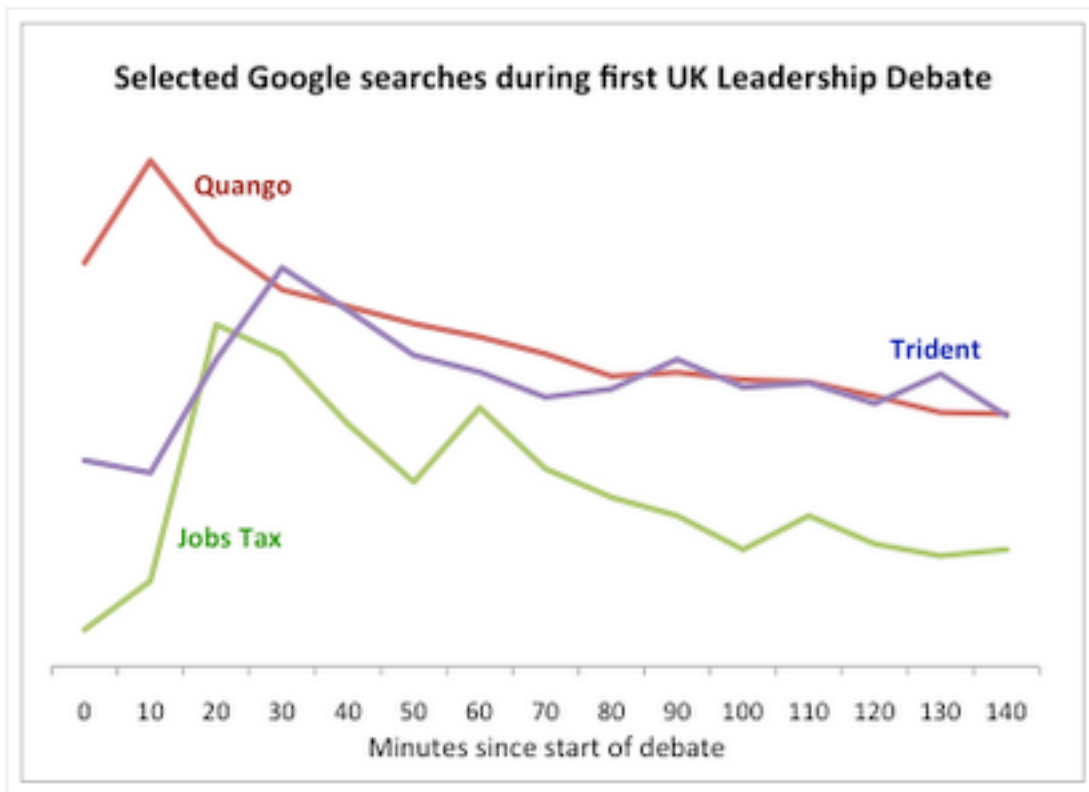
# Twitter sentiment analysis



Twitter Sentiment over the last 2 Hours



# Google searches sparked by the debates



**Quango** - Wikipedia, the free encyclopedia

[en.wikipedia.org/wiki/Quango](http://en.wikipedia.org/wiki/Quango)

In both Republic of Ireland and the UK, a quasi-autonomous non-governmental organisation (**quango** or **qango**) is an organisation to which a government has ...

[History](#) - [Use](#) - [Criticisms](#) - [In popular culture](#)

**Quango** - Simple English Wikipedia, the free encyclopedia

[simple.wikipedia.org/wiki/Quango](http://simple.wikipedia.org/wiki/Quango)

**Quango** is an acronym used especially in the United Kingdom and the Ireland. **Quangos** are arms-length bodies funded by government departments but not run ...

[History](#) - [Issues](#) - [Other websites](#) - [References](#)

**BBC News - Q&A: What is a quango?**

[www.bbc.co.uk/news/uk-politics-11405840](http://www.bbc.co.uk/news/uk-politics-11405840)

14 Oct 2010 - The government has announced that 192 **quangos** are to be scrapped, but what exactly is a **quango**?

**quango** - Oxford Dictionaries

[www.oxforddictionaries.com/definition/english/quango](http://www.oxforddictionaries.com/definition/english/quango)

Definition of **quango** in British and World English in Oxford dictionary. Meaning, pronunciation and example sentences. English to English reference content.

# 2010 BBC replay site

- Second debate  
[http://news.bbc.co.uk/1/hi/uk\\_politics/election\\_2010/8635098.stm](http://news.bbc.co.uk/1/hi/uk_politics/election_2010/8635098.stm)
- Final debate:  
[http://news.bbc.co.uk/1/hi/uk\\_politics/election\\_2010/8652884.stm](http://news.bbc.co.uk/1/hi/uk_politics/election_2010/8652884.stm)

BBC Sign in News Sport Weather iPlayer TV Radio More... Search BBC News

## ELECTION 2010

News Front Page  
Election 2010  
Results  
Parties and issues  
First-time voter  
The Debates

England  
Northern Ireland  
Scotland  
Wales

### Final TV debate: Key moments in text and video

Gordon Brown, David Cameron and Nick Clegg have clashed in the third and final prime ministerial debate hosted by BBC News. Navigate the video by the questions and key moments selected by the BBC's politics team.

◆ Key moment

**Question 2** ▶ 00:14:58  
If you were elected, what would you do about taxes?

◆ 'Should be ashamed' 00:23:10

**Question 3** 00:26:20  
What will you do about bankers' bonuses?

◆ Cameron targets Clegg 00:32:52

**Question 4** 00:36:08  
How will you rebuild the country's manufacturing industries?

**Question 5** 00:47:21  
Are politicians aware they have become removed from the concerns of real people on immigration?

◆ Immigration plans 00:56:31

**Question 6** 00:59:36  
What will your party do to help families with housing?

**Question 7** 01:06:09  
What will you do to stop the abuse of state benefits?

00:26:00 / 1:31:13

**Full Transcript**  Enter word or phrase..

**Nick Clegg** ▶ 00:25:59  
I just feel sorry for Adina who must be completely lost by all this political points scoring. The fact is, Adina, you are right, taxes are unfair, we have a plan, we think it's a great plan, to switch taxes so that you get more money back in your pocket. That's what I think we need to do to make taxes fair.

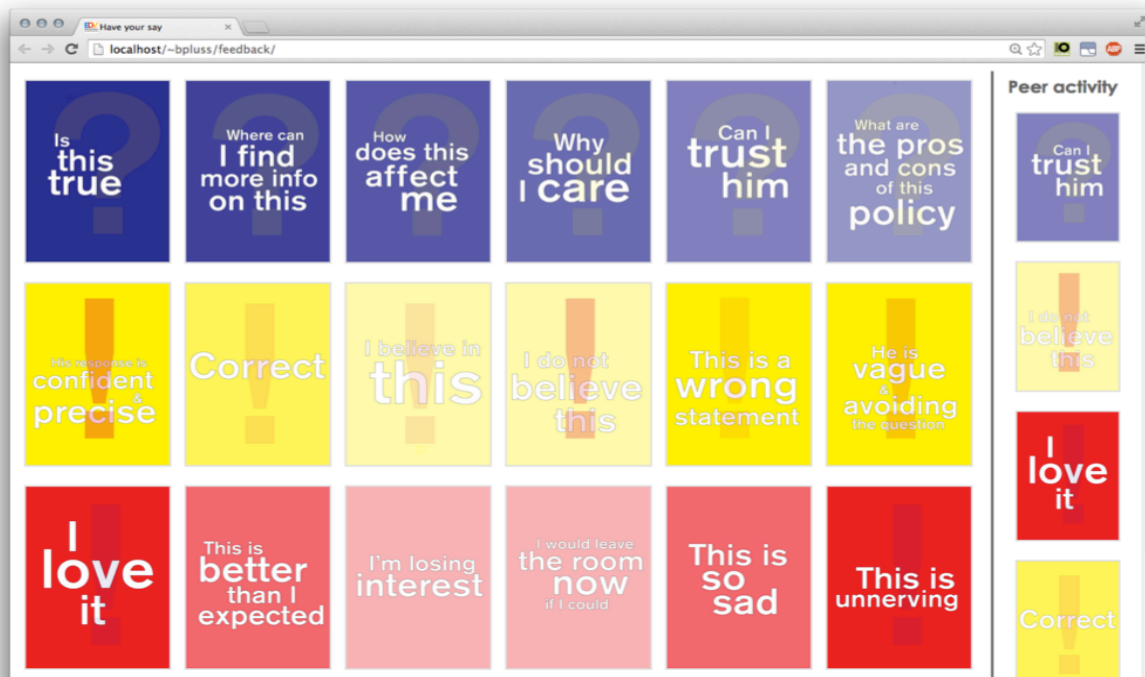
**David Dimbleby** 00:26:15  
All right, let's go on to another question. Thank you, Mr Clegg. This one is from Ian Grey, please. Ian Grey.

**Audience member** 00:26:20  
It is clearly grossly unfair for tax-payers to have funded the banks, yet for bankers to award themselves huge bonuses, whilst ordinary people are worse off and many have lost their jobs. How



## Election Debate Visualisation

# Soft Feedback Mobile App





## Next Steps

- Enabling soft feedback during the live broadcasting of the political debate
- Design flashcards for the democratic entitlements identified
- Replicate the soft feedback gathering experiment with flashcards in a virtual distributed setting by using the mobile and face-to-face



## Next Steps

- Guidelines will be provided on how to use soft feedback, flashcard methods and tools, to harness audience reactions to political debates in different contexts, and with different audience's size.



## Election Debate Visualisation



## Democratic capabilities & entitlements

1. Be respected as a rational and independent decision-maker
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# **The debate-viewing experience today**



# The Clegg-Farage 2014 debates on UK-EU relations

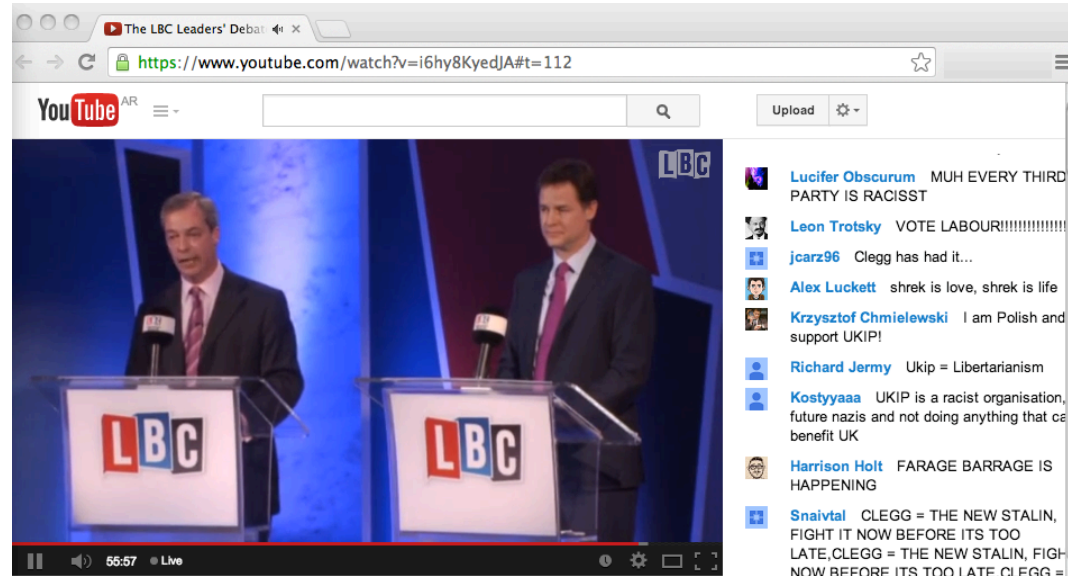


LBC Radio, 26 March



BBC, 2 April

# The Clegg-Farage 2014 debates on UK-EU relations



The screenshot shows a YouTube video player interface. The video is titled "The LBC Leaders' Debate" and the URL is "https://www.youtube.com/watch?v=i6hy8KyedJA#t=112". The video player shows two men, Nick Clegg and Nigel Farage, standing at podiums with LBC logos. The video progress bar indicates 55:57 and is marked as "Live". To the right of the video player, there is a list of comments from various users.

Comments:

- Lucifer Obscurum: MUH EVERY THIRD PARTY IS RACISST
- Leon Trotsky: VOTE LABOUR!!!!!!!!!!!!!!
- jcarz96: Clegg has had it...
- Alex Luckett: shrek is love, shrek is life
- Krzysztof Chmielewski: I am Polish and support UKIP!
- Richard Jermy: Ukip = Libertarianism
- Kostyyaaa: UKIP is a racist organisation, future nazis and not doing anything that can benefit UK
- Harrison Holt: FARAGE BARRAGE IS HAPPENING
- Snaivtal: CLEGG = THE NEW STALIN, FIGHT IT NOW BEFORE ITS TOO LATE, CLEGG = THE NEW STALIN, FIGHT IT NOW BEFORE ITS TOO LATE. CLEGG =

# The Clegg-Farage 2014 debates on UK-EU relations

WATCH! Clegg v Farage | How The LBC Debate Twi...

www.lbc.co.uk/watch-lbc-leaders-debate-live---26th-march-87667?utm\_source=First+sign+u...

## LBC Leaders' Debate: Live Blog

Get the best coverage, analysis and behind the scenes photos from the LBC Leaders' Debate.

**Comment Now**


**LBC** Nick Clegg claims only 7% of laws are made in Brussels. Nigel Farage disputes, brings up series of stats of others who have said otherwise.  
by LBC 4:51 PM [Comment](#)

**Theo Usherwood** @theousherwood  
Farage returns to some of his usual patter - oh dear oh dear - he says on Europe rules.  
[#LBCdebate](#)  
4:51 PM

**LBC** Nick Clegg:

The LBC Leaders' Debate

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55:57 ● Live

**LBC Twitter Worm: How Is Twitter Responding?**

Are tweets about the Nick Clegg and Nigel Farage positive or negative? The LBC Twitter worm tracks how well they are doing in the #LBCdebate. Live from 7pm.

**Nigel Farage** **Nick Clegg**



blurt

**happening**

**Snaivtal** CLEGG = THE NEW STALIN, FIGHT IT NOW BEFORE ITS TOO LATE, CLEGG = THE NEW STALIN, FIGHT NOW BEFORE ITS TOO LATE. CLEGG =

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**LBC** Nick Clegg:

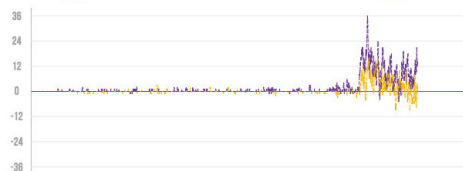


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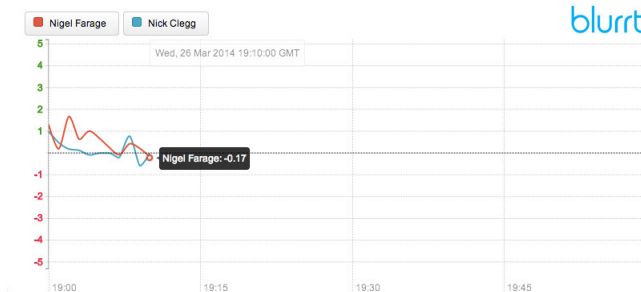


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## WHAT'S HAPPENING

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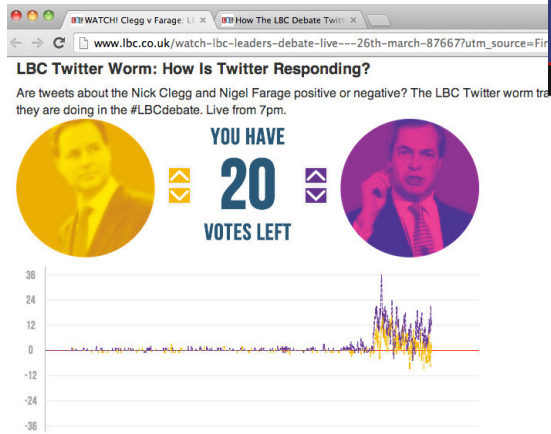
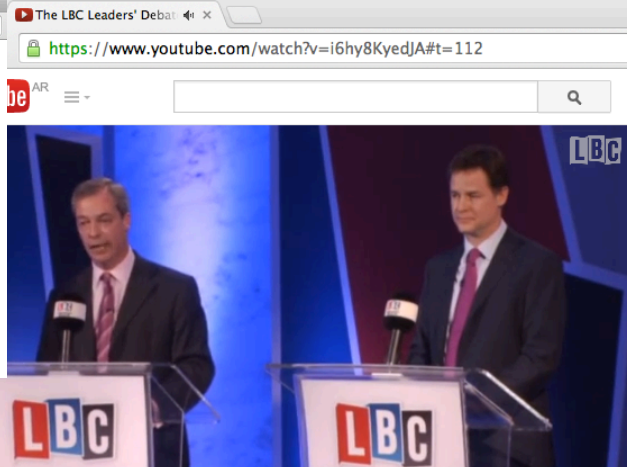
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@theousherwood

Farage returns to some of his usual patter - oh dear oh dear - he says on Europe rules.

#LBCdebate

4:51 PM

Nick Clegg:



W = THE NEW STALIN, BEFORE ITS TOO THE NEW STALIN, FIGHTS TOO LATE. CLEGG =



# The Clegg-Farage 2014 debates on UK-EU relations

**LBC Leaders' Debate: Live Blog**

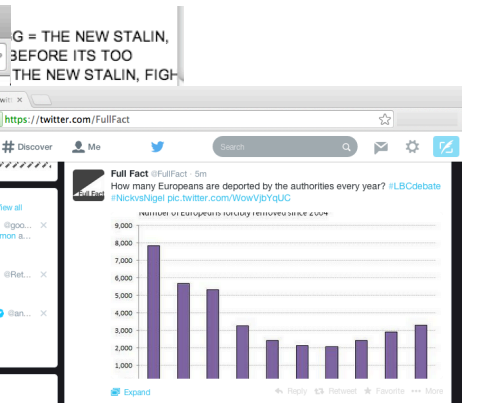
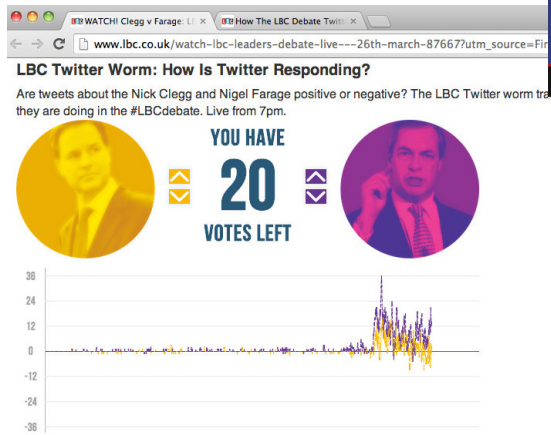
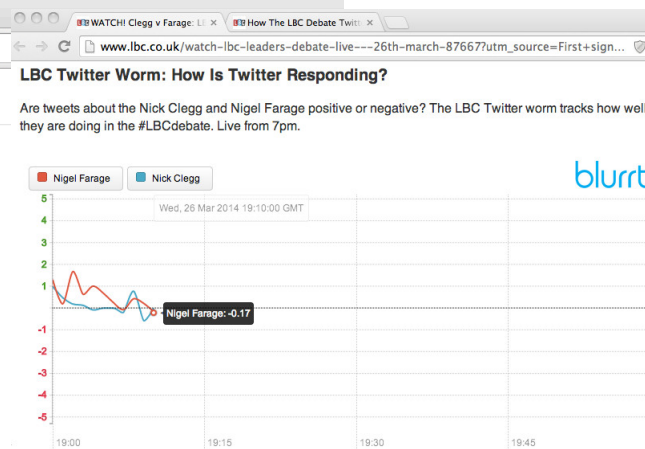
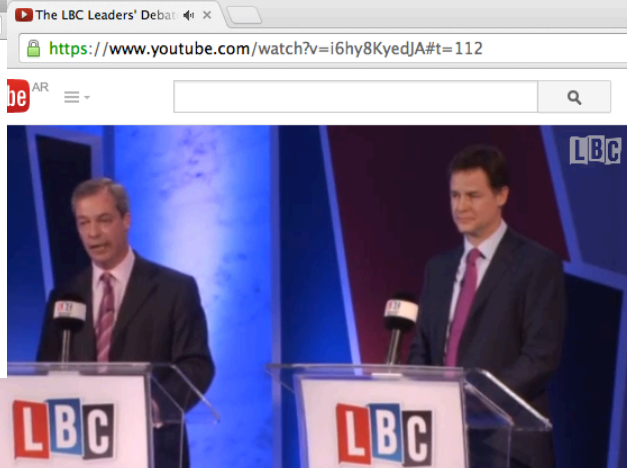
Get the best coverage, analysis and behind the scenes photos from the LBC Leaders' Debate.

**Comment Now**

**LBC** Nick Clegg claims only 7% of laws are made in Brussels. Nigel Farage disputes, brings up series of stats of others who have said otherwise.  
by LBC 4:51 PM [Comment](#) [♥](#) 0

**Theo Usherwood**  
@theousherwood  
Farage returns to some of his usual patter - oh dear oh dear - he says on Europe rules.  
[#LBCdebate](#)  
4:51 PM

**LBC** Nick Clegg:



# BBC Live site

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## **LIVE** Nick Clegg v Nigel Farage TV debate on the UK and the EU



### Key Points

- Liberal Democrat leader Nick Clegg and UKIP leader Nigel Farage are going head-to-head
- They are discussing whether the UK should leave or remain in the European Union
- Question Time host David Dimbleby is moderating the debate, at the BBC's Broadcasting House

### Live Text

Reporters: Gavin Stamp, Justin Parkinson, Edwin Lowther and Kerry Alexandra

19:27:

UK trade with the EU and rest of the world, 2013



Source: HMRC

19:26: Mr Farage refers to a report from Migration Watch, which suggested that a city the size of Manchester would need to be built to cope with levels of migration over the next five years.



#### FACTCHECKING

19:26: Emily Craig Political analyst, BBC News Nick Clegg says there aren't 29 million people living in Romania and Bulgaria. The World Bank puts the figure at 28.6 million. I think we might be in UKIP mood...



Do you consider the social impact of EU immigration to be positive or damaging?

BBC NEWS

### LIVE NOW

The European Union: In or Out? BBC coverage

### LIVE NOW

Reports and reaction

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# BBC Replay site

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## Nick Clegg v Nigel Farage TV debate on the UK and the EU

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### Key Points

- Lib Dem leader Nick Clegg and UKIP leader Nigel Farage clashed over the EU's effect on immigration and the economy
- Mr Farage accused Mr Clegg of "wilfully lying" but Mr Clegg said his UKIP counterpart's opinions were out of date
- Instant opinion polls gave Mr Farage a victory over Mr Clegg, one by 69% to 31% and another by 68% to 27%

### Report

Reporters: Gavin Stamp, Justin Parkinson, Edwin Lowther and Kerry Alexandra

**17:59:** Hello and welcome to our live coverage of the BBC TV debate between Nick Clegg and Nigel Farage. The Liberal Democrat and UK Independence Party leaders will face each other for an hour on the question of whether the UK should leave or remain in the European Union.

**18:00:** BBC Question Time host David Dimbleby will present and moderate the debate, which is taking place at the BBC's Broadcasting House in central London.

**18:01:**



**18:04:** We'll have minute-by-minute updates of the



<b>WATCH</b>	<b>WATCH</b>	<b>WATCH</b>	<b>WATCH</b>
Clegg v Farage: Opening statements	Clegg and Farage use leaflet 'weapons'	Farage 'indefensible' on Putin	Farage: 'Join the people's army'

*The final touches have been put to the set for the debate*

# 2010 BBC replay site

- Second debate  
[http://news.bbc.co.uk/1/hi/uk\\_politics/election\\_2010/8635098.stm](http://news.bbc.co.uk/1/hi/uk_politics/election_2010/8635098.stm)
- Final debate:  
[http://news.bbc.co.uk/1/hi/uk\\_politics/election\\_2010/8652884.stm](http://news.bbc.co.uk/1/hi/uk_politics/election_2010/8652884.stm)

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## ELECTION 2010

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### Final TV debate: Key moments in text and video

Gordon Brown, David Cameron and Nick Clegg have clashed in the third and final prime ministerial debate hosted by BBC News. Navigate the video by the questions and key moments selected by the BBC's politics team.

Key moment

**Question 2** 00:14:58  
If you were elected, what would you do about taxes?

◆ 'Should be ashamed' 00:23:10

**Question 3** 00:26:20  
What will you do about bankers' bonuses?

◆ Cameron targets Clegg 00:32:52

**Question 4** 00:36:08  
How will you rebuild the country's manufacturing industries?

**Question 5** 00:47:21  
Are politicians aware they have become removed from the concerns of real people on immigration?

◆ Immigration plans 00:56:31

**Question 6** 00:59:36  
What will your party do to help families with housing?

**Question 7** 01:06:09  
What will you do to stop the abuse of state benefits?

00:26:00 / 1:31:13

Full Transcript Enter word or phrase.. Search

**Nick Clegg** 00:25:59  
I just feel sorry for Adina who must be completely lost by all this political points scoring. The fact is, Adina, you are right, taxes are unfair, we have a plan, we think it's a great plan, to switch taxes so that you get more money back in your pocket. That's what I think we need to do to make taxes fair.

**David Dimbleby** 00:26:15  
All right, let's go on to another question. Thank you, Mr Clegg. This one is from Ian Grey, please. Ian Grey.

**Audience member** 00:26:20  
It is clearly grossly unfair for tax-payers to have funded the banks, yet for bankers to award themselves huge bonuses, whilst ordinary people are worse off and many have lost their jobs. How

# **The Future of Election Debate Replays**



## Computing & Informatics research objectives

- Debate Analytics and Visualizations
- Feedback Channels
- Debate Replay Platform
- Open Source Tools and Open Data Archive



# Election Debate Visualisation

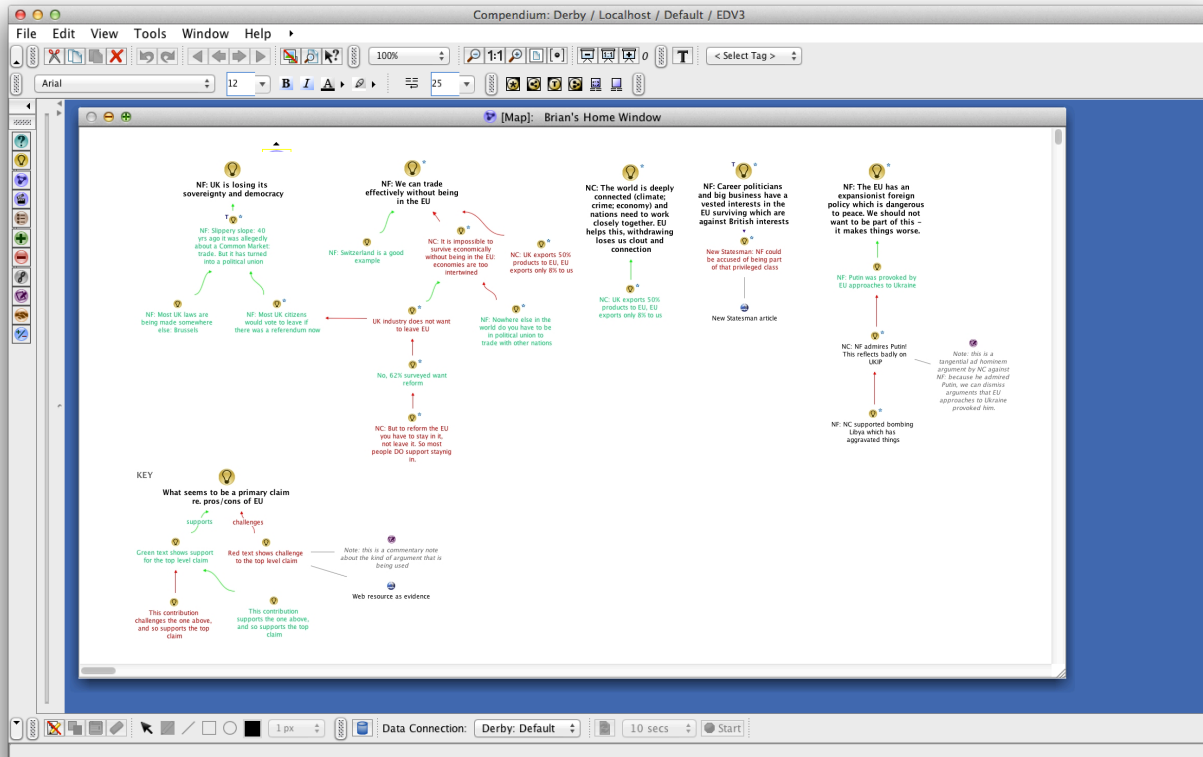
## Debate Analytics and Visualisations

- Argument Maps
- Rhetoric and Rules of the Game

Collaborations might make possible:

- *Social Media Analytics*
- *Fact-Checking*

# Argument Mapping and Visualisation



## HYPERMEDIA MAPPING

## Compendium

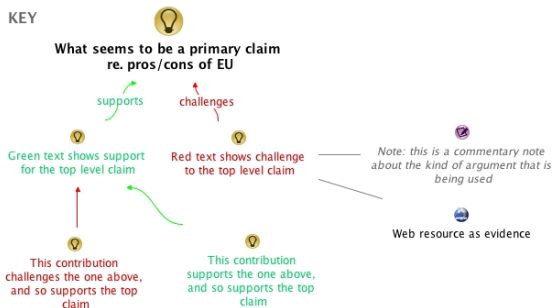
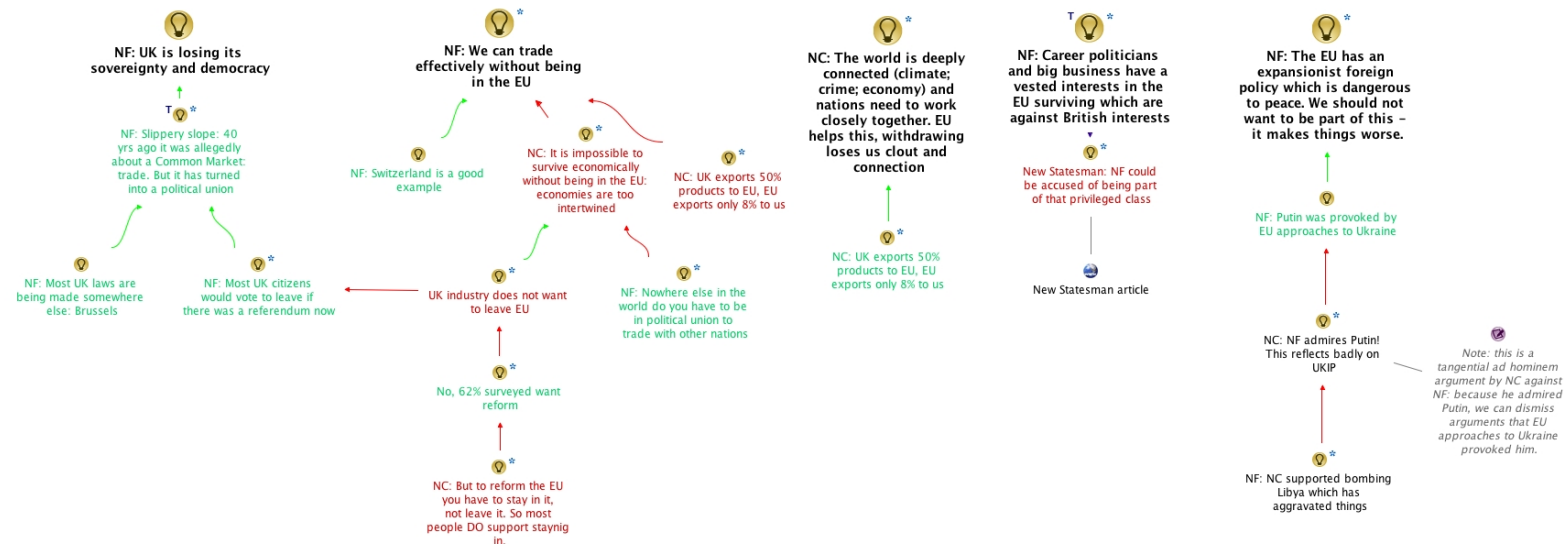
**A flexible visual interface for managing the connections between information and ideas**

CompendiumInstitute

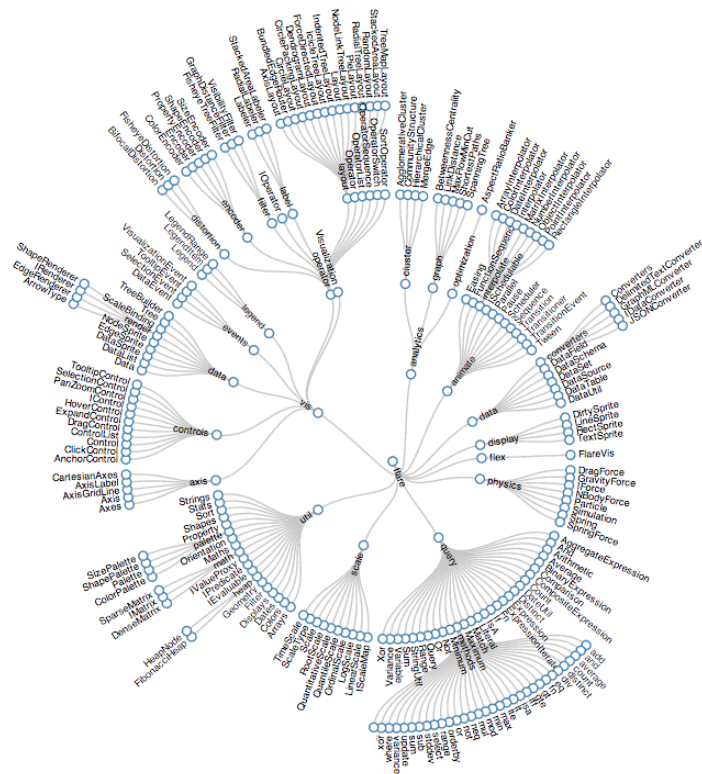


<http://compendiuminstitute.net>

# Argument Maps



- First 15 minutes of second Clegg-Farage debate
- Claims being made and by whom
- Support/challenge connections
- Time of contributions is less influential
- Is this the best way to show it to end-users?





# Rhetoric and Rules of the Game

(Non-Cooperation in Dialogue)



# Rhetoric and Rules of the Game

(Non-Cooperation in Dialogue)



# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)

- Rules of the game in terms of discourse obligations
- Coding scheme for manual annotation of transcripts
- Method for classifying annotated speaker contributions wrt the rules of the game

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- Rules of the game in terms of discourse obligations
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36. Members of the audience will ask their questions. The moderator will ask the leaders to respond. The moderator may read email questions.
37. All questions will be addressed to and answered by all three leaders.
38. The audience members will be restricted to asking the selected questions.
46. Each leader will make an opening statement on the theme of the debate lasting for 1 minute. After the three opening statements the moderator will take the first question on the agreed theme. There will be closing statements of 1 minute 30 seconds from all three leaders at the end of the 90 minutes.
47. Each leader will have 1 minute to answer the question.
48. Each leader will then have 1 minute to respond to the answers.
49. The moderator may then open the discussion to free debate between the leaders for up to 4 minutes on merit.

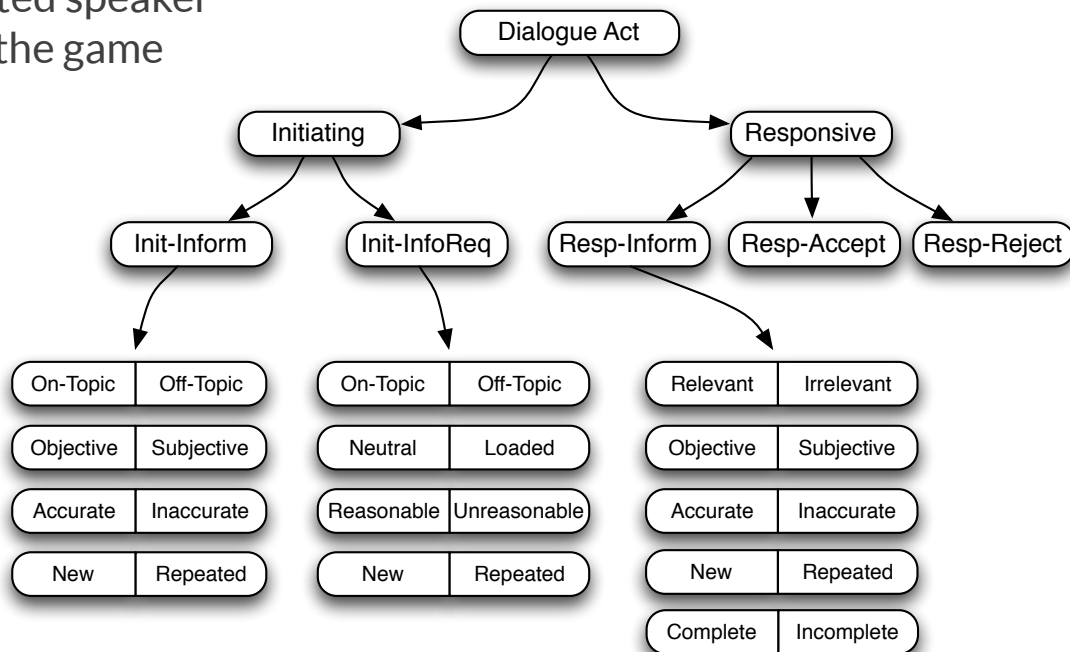
### Role of the moderator

58. To moderate the programme
59. To keep the leaders to the agreed time limits
62. To seek factual clarification where necessary
63. It is not the moderator's role to criticise or comment on the leaders' answers
64. The candidates accept the authority of the moderator to referee the rules on stage and ensure a free flowing, fair debate conducted within the agreed rules.

# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)

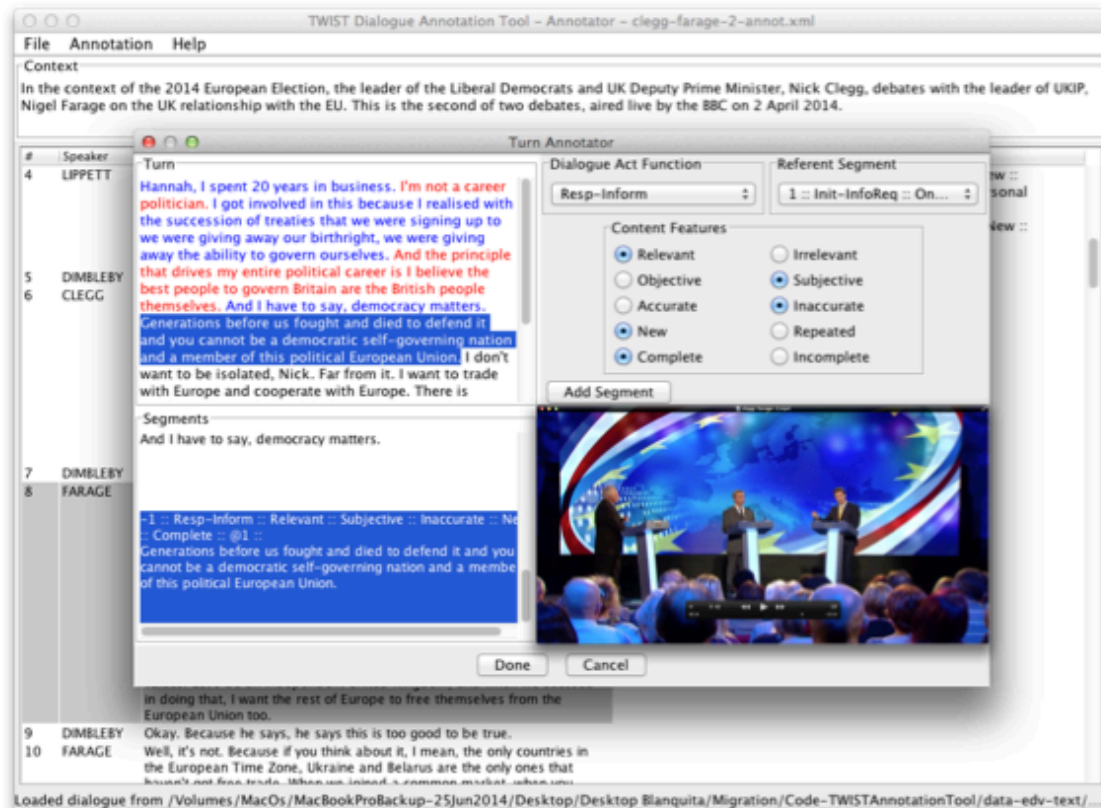
- Rules of the game in terms of discourse obligations
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# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)

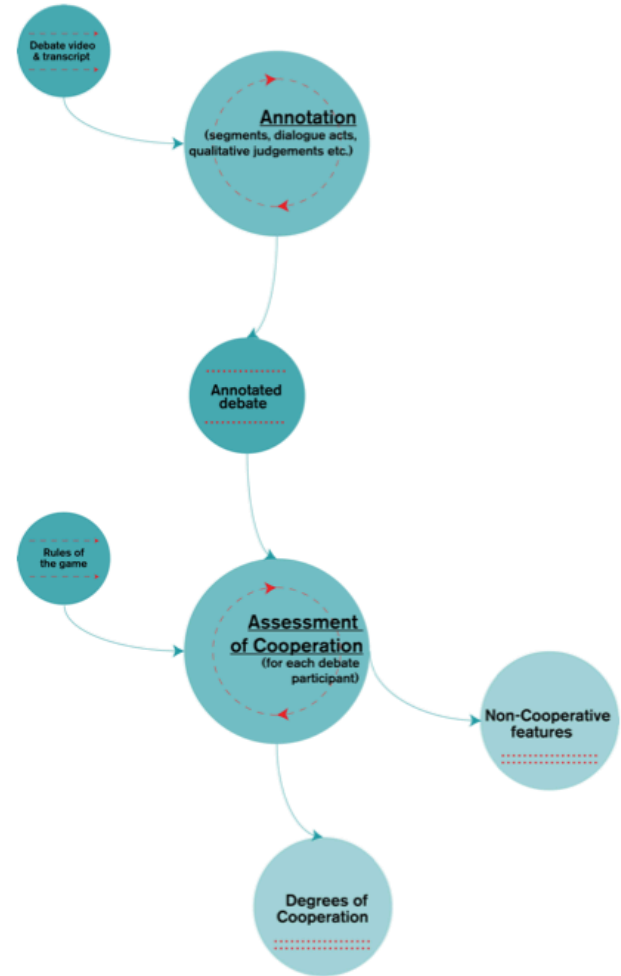
### Annotation Tool



# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)

- Rules of the game in terms of discourse obligations
- Coding scheme for manual annotation of transcripts
- Method for classifying annotated speaker contributions wrt the rules of the game



# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)

```
(5)
IR (5) valid-question
** Acknowledgment obligation (IR, acceptance@3) implicitly discharged by action (5) valid-question
** Implicit obligation (IR, valid-question) introduced.
** Obligation (IR, valid-question) explicitly discharged by action (5) valid-question

OBL (5) [(IE, acceptance@5),(IR, rejection@4),(IE, valid-reply@2)]
DCF (5) [(IR, acceptance@3),(IR, valid-question)]
DNF (5) [(IR, rejection@4)]
SCF (5) [(5) valid-question ;]
SNF (5) []

(6)
IE (6) valid-reply @5 (C)
IE (7) invalid-reply @5 (C) {Reason: Irrelevant}
IE (8) invalid-reply @5 (C) {Reason: Irrelevant}
** Acknowledgment obligation (IE, acceptance@5) implicitly discharged by action (6) valid-reply @5 (C)
** Implicit obligation (IE, valid-reply@5) introduced.
** Obligation (IE, valid-reply@5) explicitly discharged by action (6) valid-reply @5 (C)

OBL (6) [(IR, acceptance@6),(IR, rejection@7),(IR, rejection@8),(IR, rejection@4),(IE, valid-reply@2)]
DCF (6) [(IE, acceptance@5),(IE, valid-reply@5)]
DNF (6) [(IE, valid-reply@2)]
SCF (6) [(6) valid-reply @5 (C) ;]
SNF (6) [(7) invalid-reply @5 (C) {Reason: Irrelevant}; (8) invalid-reply @5 (C) {Reason: Irrelevant};]
```

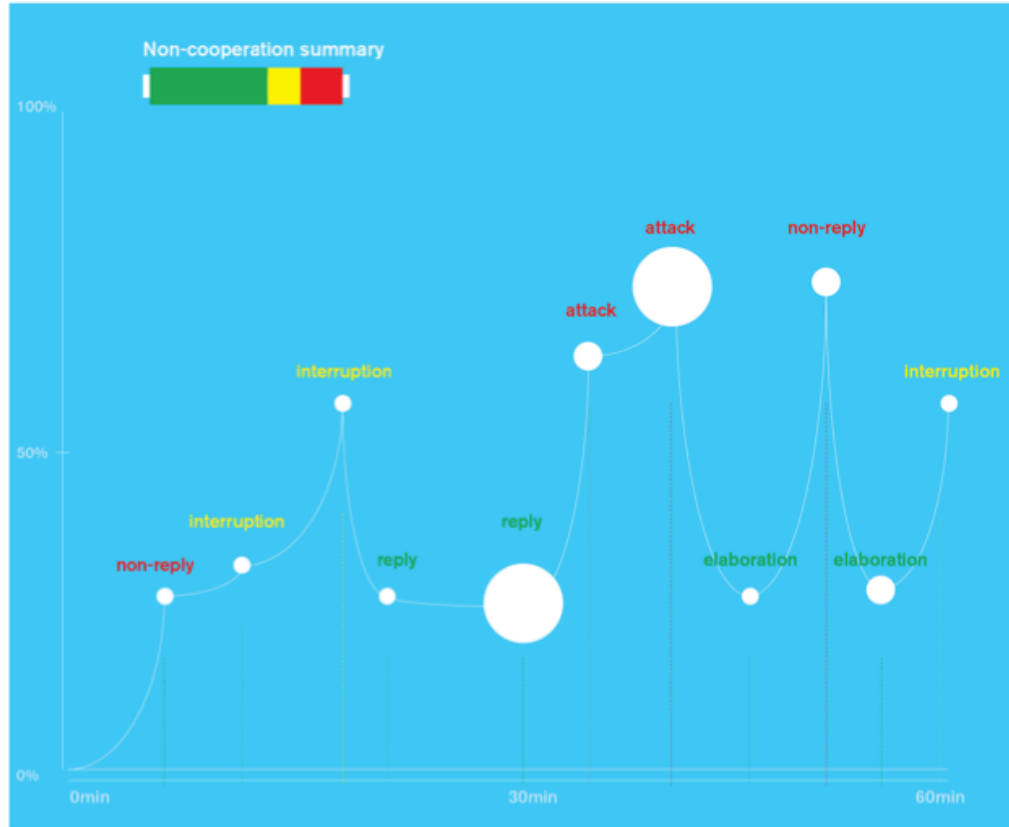
Output of the  
method

DC for IR: 0.5227272727272727 (DCFs: 14.0; DNFs:21.0; SCFs: 9.0; SNFs:0.0)  
DC for IE: 0.5 (DCFs: 12.0; DNFs:13.0; SCFs: 7.0; SNFs:6.0)



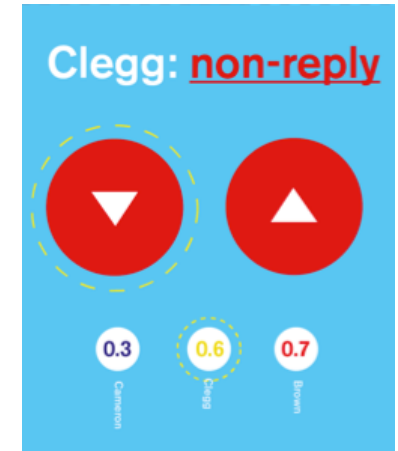
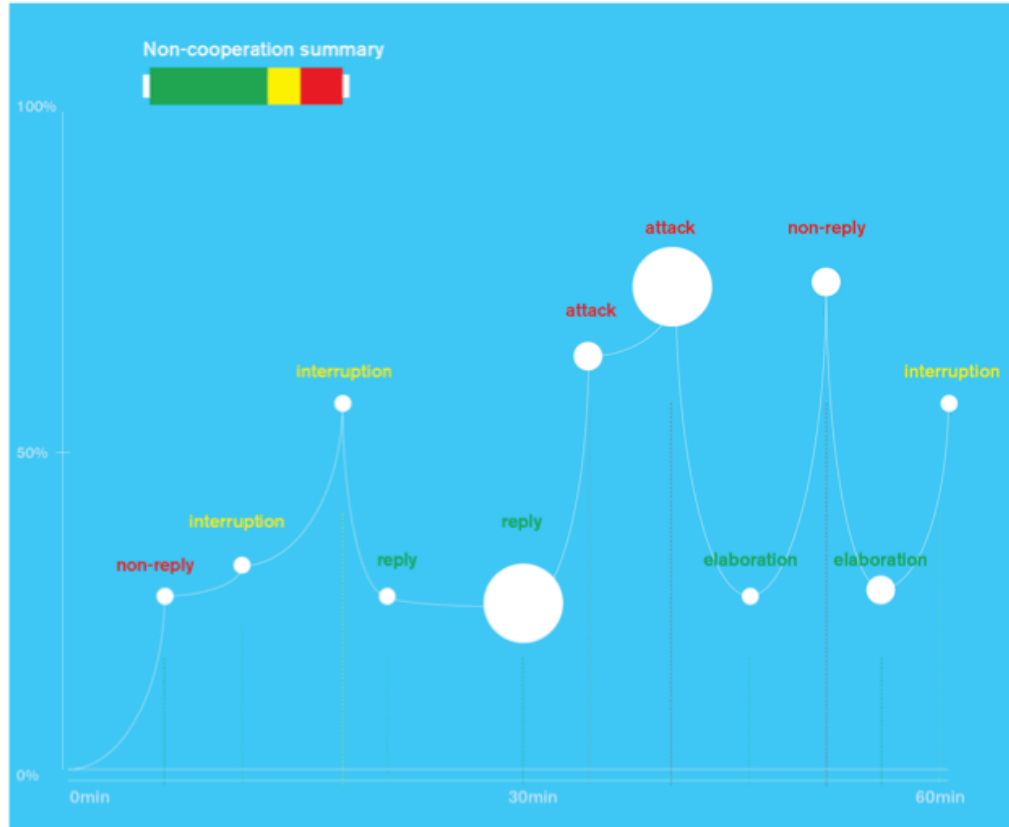
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## (Non-Cooperation in Dialogue)



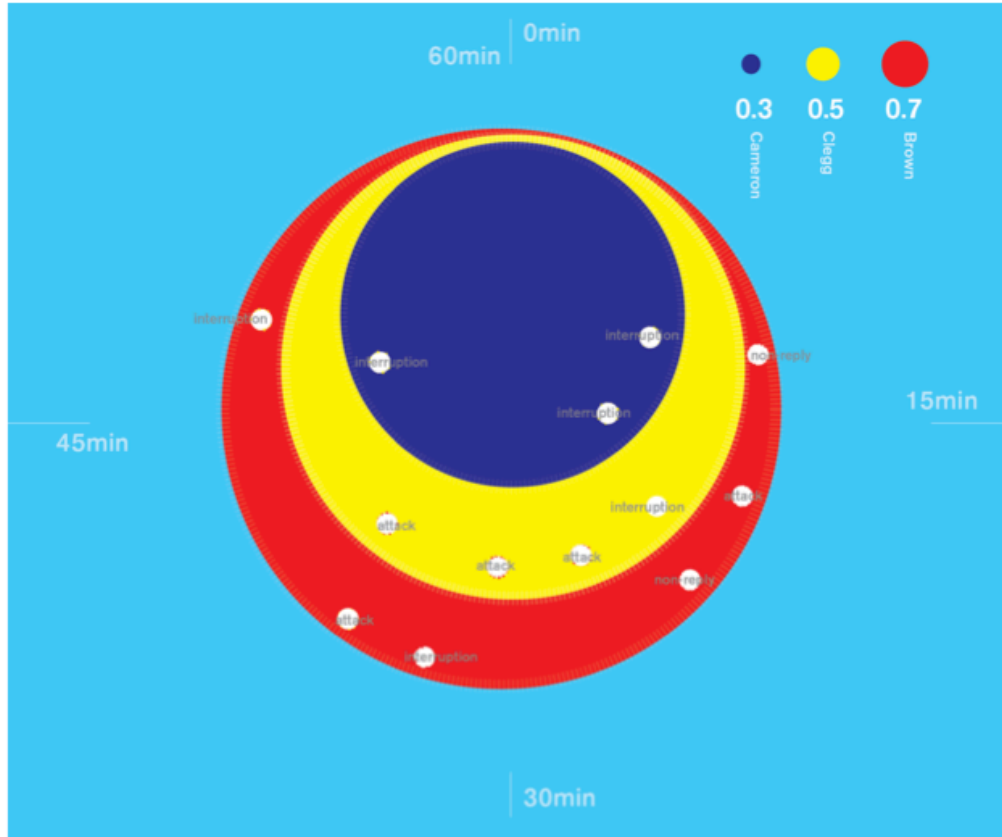
# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)



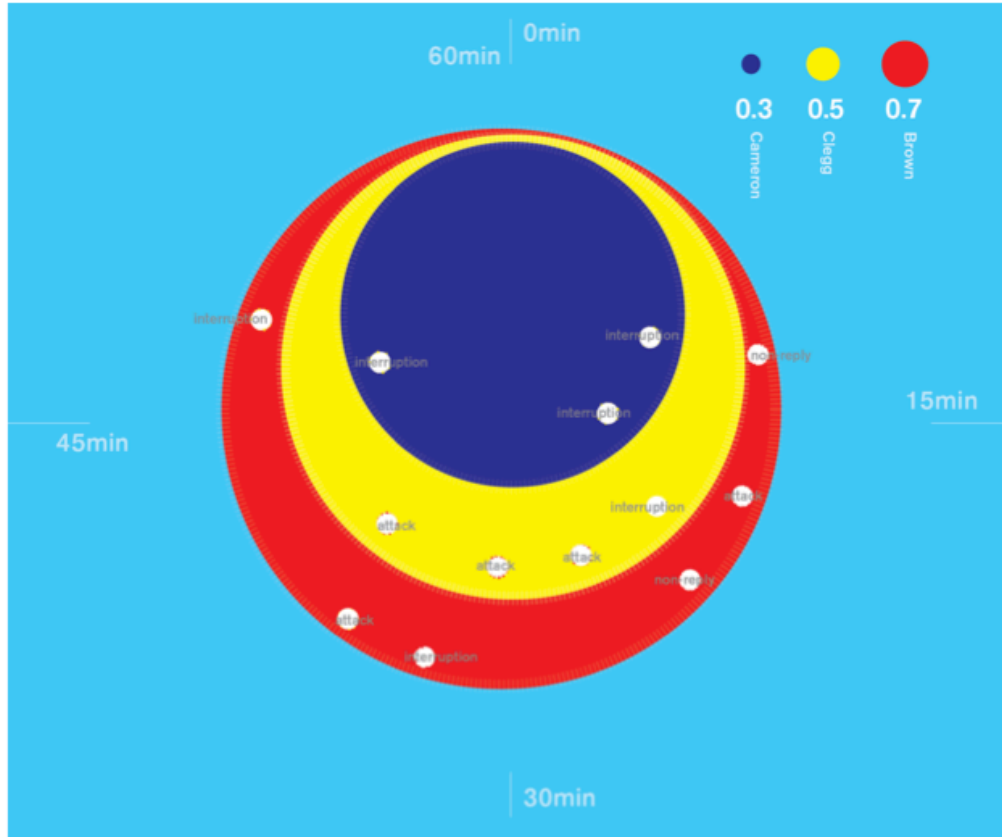
# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)



# Rhetoric and Rules of the Game

## (Non-Cooperation in Dialogue)



# Social Media Analytics

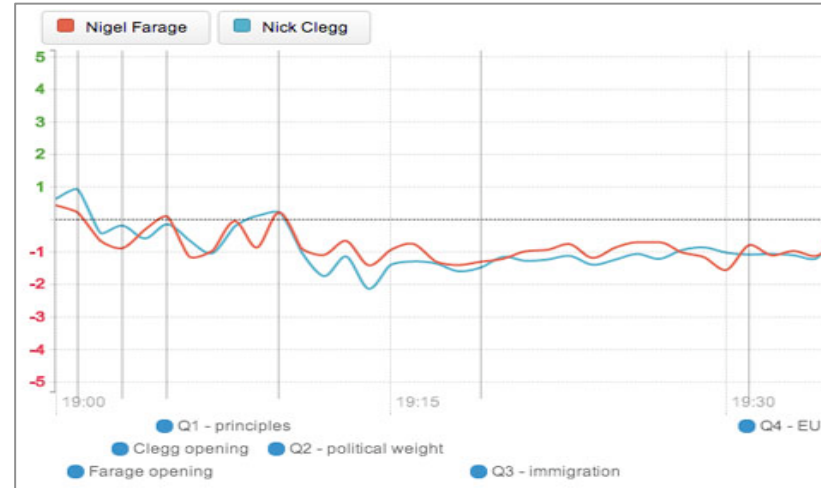


Overall 72% of tweets were about personality,  
22% politics shows @Demos/@IpsosMORI  
analysis of #europedebate  
[pic.twitter.com/GJW3nkjDEX](https://pic.twitter.com/GJW3nkjDEX)

Reply Retweet Favorite More



blurr



# Fact-checking

*Full Fact* (@FullFact)

Independent fact checking organisation

- <https://fullfact.org/>
- Knowledge base
- Live fact-checking
- ...



Home > VIDEO: Clegg / Farage debate factchecked

By Amy Sippitt  
Emily Barnett  
Joseph O'Leary  
Katriona Bylykbashe  
Laura O'Brien  
Matthew Cheadle  
Owen Spottiswoode  
Phoebe Arnold  
Will Moy

with thanks to outside experts  
April 1, 2014 • 3:39 pm

The LBC Leaders' Debate: Nick Clegg v Nigel F...

Skip to Q...

- Opening statements
- 1. Referendum
- 2. Threats to jobs
- 3. Bringing skills
- 4. Global competition
- 5. Deporting criminals
- 6. Cherry-picking EU laws
- Closing statements

Question 4

JAMILA LONG: How are we supposed to compete with the likes of China or America if we are not part of a larger trading group?

**UK the Eurozone's biggest export market?**

Out of individual countries, yes: the UK accounted for 12.3% of all Eurozone exports in 2012, compared to 11.9% to the second-placed US.

**EU selling the UK £150 billion in goods?**

It's not clear where Nigel Farage's figures are from. The UK's goods imports from the EU were worth £220 billion in 2013.

Eurozone imports overall amounted to £182 billion in 2012, some of which will be on goods and the rest on services.

**Manufacturing exports to the EU**

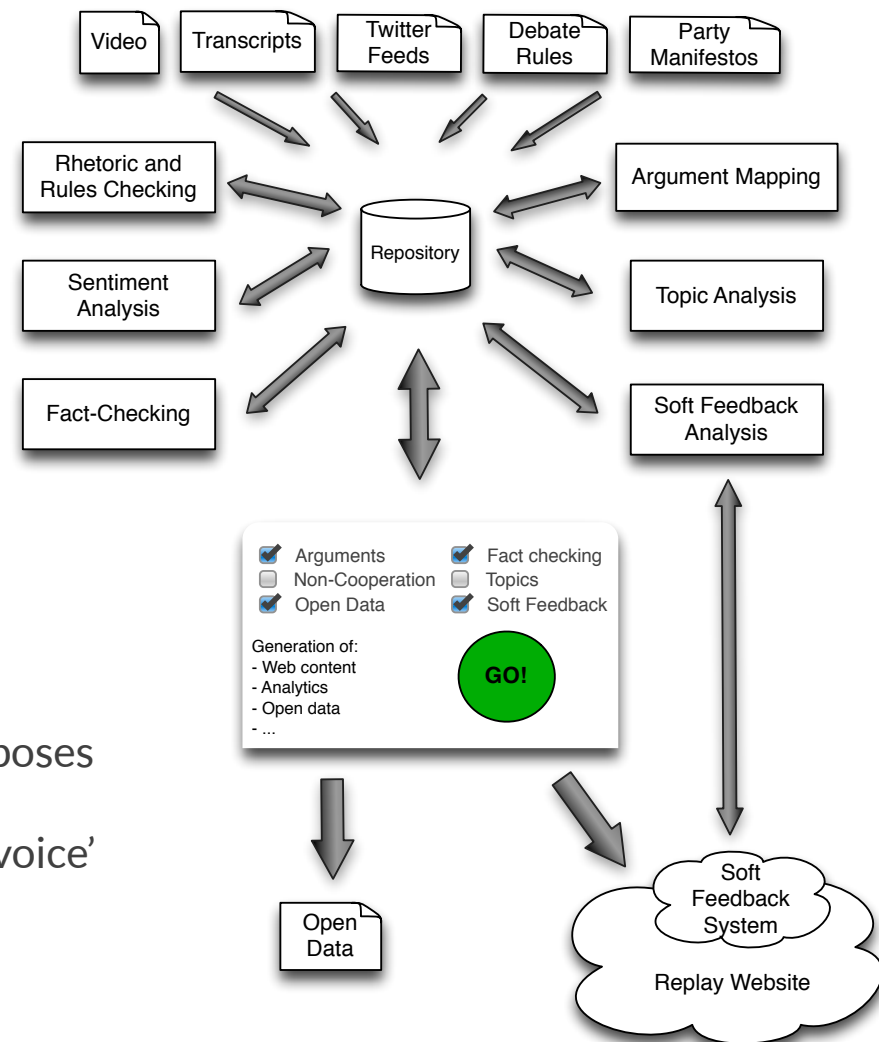


# **Election Debate Visualisation**

## Debate Replay Platform

- Uniformly organise diverse sources of information
- Support user preferences in terms of:
  - Visualisation channels
  - Media navigation and indexing
- Allow for different kinds of audience response

# EDV Architecture Sketch



## Features and functionalities:

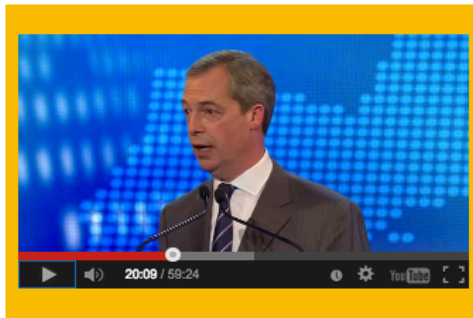
- Gather data from sources
- Analyse data and produce visualisations
- Tailor augmentations to audiences and purposes
- Publish open data and replay interface
- Provide access to citizens and give them a 'voice'





## Election Debate Visualisation

## Election Debate Replay Platform



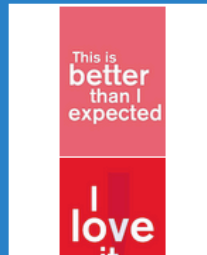
### Twitter #bbceurodebate



### Argumentation



### Audience Feedback



### Fact Checking

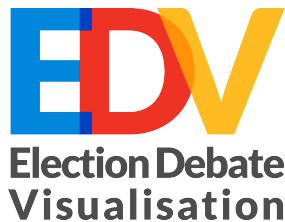


### Detail

NC: The world is deeply connected (climate; crime; economy) and nations need to work closely together. EU helps this, withdrawing loses us clout and connection



# Thanks for your time!



<http://edv-project.net/>

Brian Plüss  
Anna De Liddo  
Simon Buckingham Shum

Knowledge Media Institute  
The Open University, UK