



Election Debate Visualisation

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Election Debate Visualisation Project

edv-project.net

Simon Buckingham Shum
Anna De Liddo
Brian Plüss



UNIVERSITY OF LEEDS



The Open
University

EPSRC

Pioneering research
and skills



UNIVERSITY OF LEEDS



Stephen Coleman
Professor
Political Communication



Giles Moss
Lecturer
Media Policy



Paul Wilson
Lecturer
Design



The Open
University



Simon Buckingham Shum
Professor
Learning Informatics



Anna De Liddo
Research Associate
Collective Intelligence



Brian Plüss
Research Associate
Debate Analytics

The 2010 Election Debates

Compendium

The First Election Debate - ITV1

idebar

Clip

Idea


Connection

Login

Cohere home

0 idea

Twitter SENTIMENT TRACKER




http://www.facebook.com/widget...





TweetDeck v0.33.2

From sbskml | socialcam | +


What's happening?





Search: #leadersdebate

 hOW MUCH MAKE UP DOES GO BRO HAVE ON...#LEADERSDEBATE

-  JULIANBRAY, (+) Thu 15 Apr 20:36 via web
-  Big Gord firing on all cylinders. How cheesy is this though? I'm literally cringing! #LeadersDebate
-  JonTaylor, (+) Thu 15 Apr 20:36 via UberTwitter
-  Clegg is about as interesting as facial hair #LeadersDebate
- JasonMadonna, (+) Thu 15 Apr 20:36 via web
- Watching #LeadersDebate. I'll try to tweet while watching.

Search: #ukelection

 http://bit.ly/dqW9em - #leadersdebate liveblog - Dems get Manifesto Bounced #ukelection

-  electionbear, (+) Thu 15 Apr 20:07 via web
-  RT @woodchipwails UK air has been shut down in rea for tonight's #leadersdebate Rule 76 as I understand it. #nearlyright #ukelection
-  syphus, (+) Thu 15 Apr 20:06 via web
-  RT @gedrobinson: RT @BenCooper86: YouGov/S Con 37% (-4) Lab 31% (-1) Dem: 22% (+4) #LeadersDebate #ukelection < Interesting
- JonTaylor, (+) Thu 15 Apr 20:05 via TweetDeck
- RT @gedrobinson: RT @BenCooper86: YouGov/S Con 37% (-4) Lab 31% (-1) Dem: 22% (+4) #LeadersDebate #ukelection < Interesting

Compendium: SBS 2.0 alpha9

File Edit View Tools Bookmarks Workspaces Window Help

Dialog

14

B

I

25

1 px

FromTo

Straight Link

Plain Line

Home Window

UK Election 2010

UK Election TV Debates

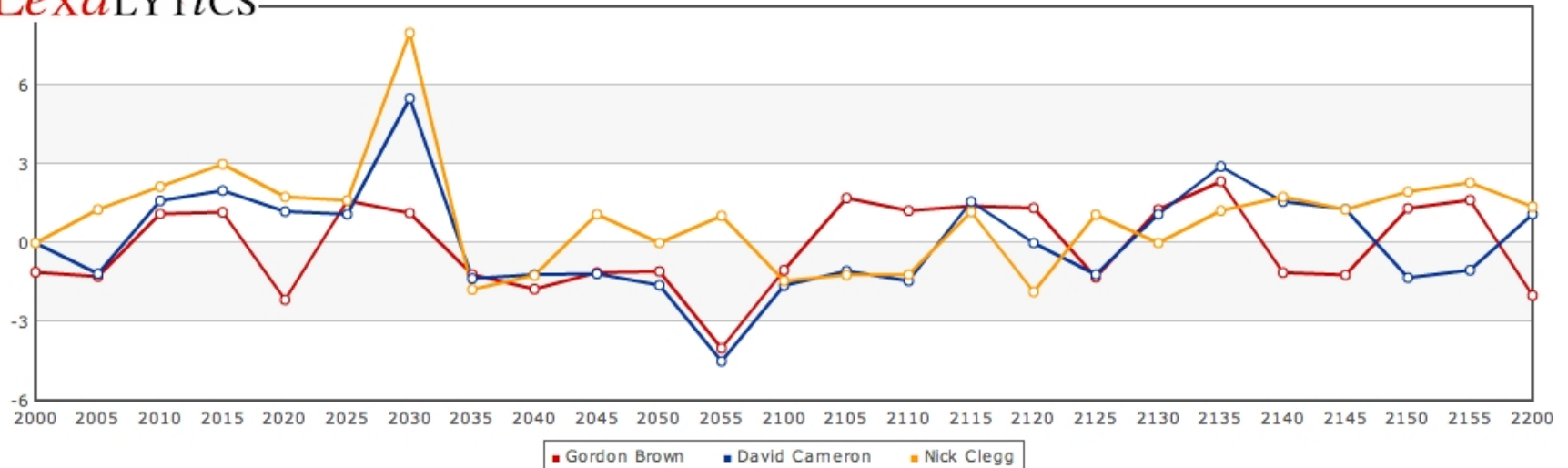
[Map]: UK Election TV Debate 1

real-time dialogue map

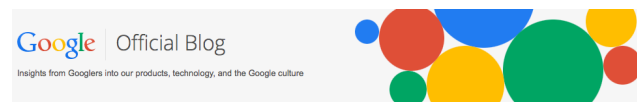
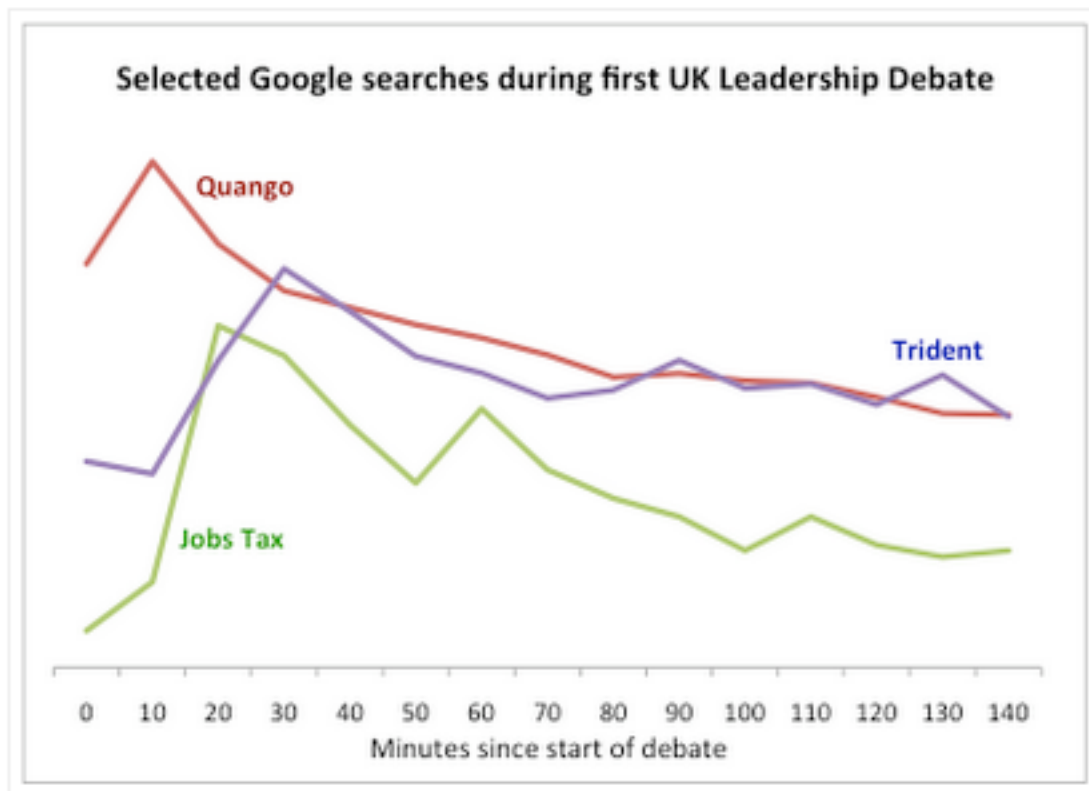
Twitter sentiment analysis

LexaLYTICS

Twitter Sentiment over the last 2 Hours



Google searches sparked by the debates



Quango - Wikipedia, the free encyclopedia

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

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

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

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
- Final debate:
http://news.bbc.co.uk/1/hi/uk_politics/election_2010/8652884.stm

The screenshot shows the BBC News website during the 2010 UK general election. The top navigation bar includes the BBC logo, a sign-in link, and links to News, Sport, Weather, iPlayer, TV, Radio, and More... A search bar is on the right. The main header features 'ELECTION 2010' and a colorful graphic of lines connecting to a central point. A sidebar on the left lists 'News Front Page', 'Election 2010' (with sub-links for Results, Parties and issues, First-time voter, and The Debates), and regional links for England, Northern Ireland, Scotland, and Wales. The main content area is titled 'Final TV debate: Key moments in text and video'. It includes a summary paragraph about the third and final prime ministerial debate between Gordon Brown, David Cameron, and Nick Clegg. Below this is a list of key moments with timestamps. A video player shows a scene from the debate. To the right of the video player is a 'Full Transcript' section with a search bar and a list of comments from participants and an audience member.

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.. 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

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

s.coleman@leeds.ac.uk

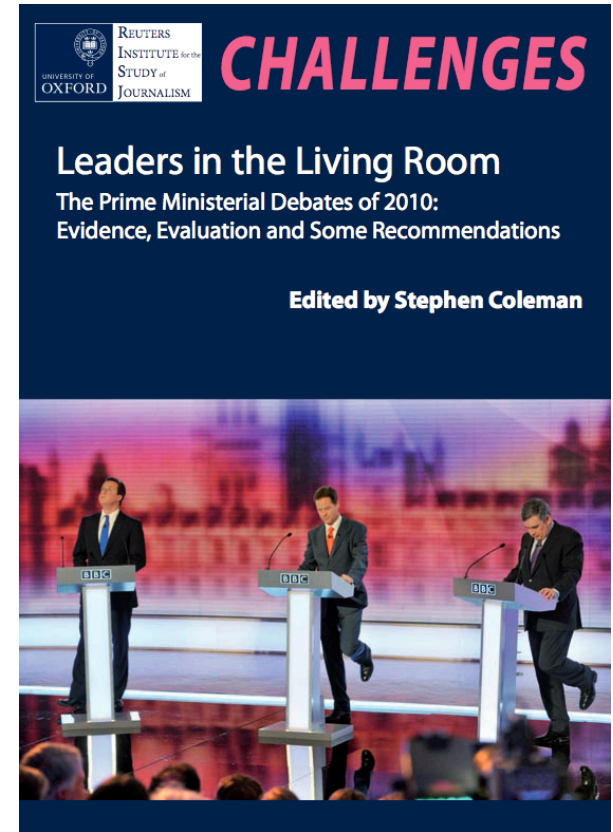
0113 343 5872



Search site

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- ICS Facilities ▶
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- News ▶

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



Impact of the 3 debates on voter intentions

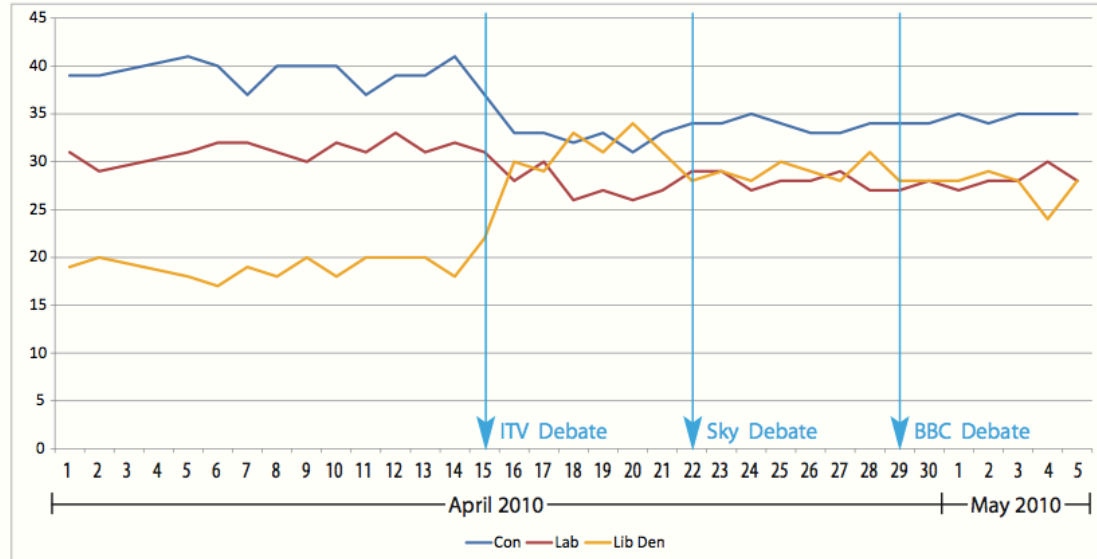
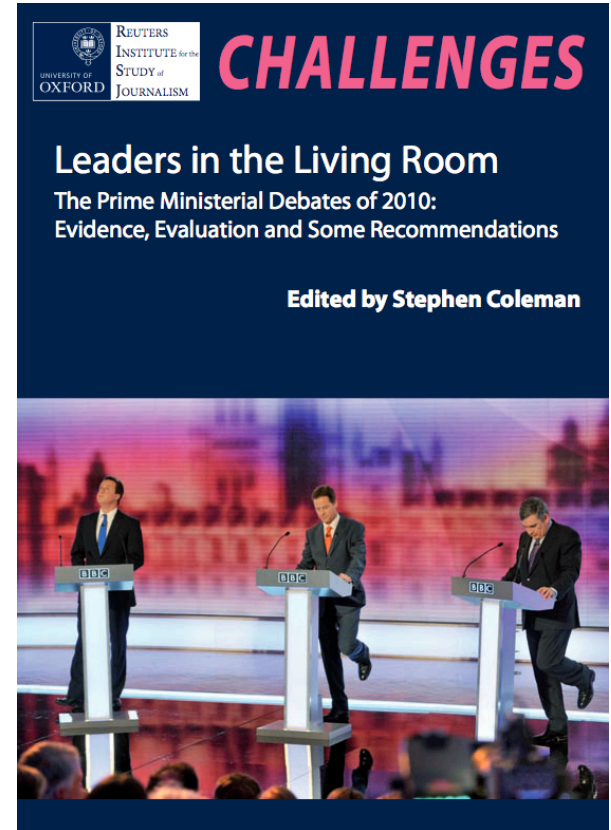
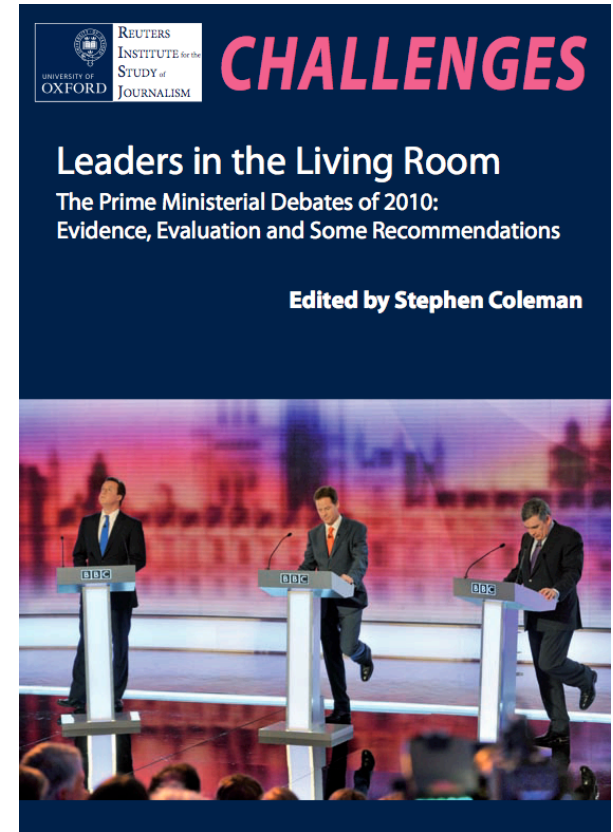


Figure A1 Party voting intentions over the campaign
(Source: YouGov polls)



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

The screenshot displays a computer interface with two main windows. The left window, titled 'The First Election Debate - ITV1', shows a live broadcast of three men on a stage. Below the video is a 'TWITTER SENTIMENT TRACKER' and a 'TweetDeck' feed showing tweets related to the debate, including mentions of David Cameron and the hashtag #LEADERSDEBATE. The right window, titled 'Compendium: SBS 2.0 alpha9', shows a 'real-time dialogue map' application. The map features a central question: 'What key elements for fair immigration are required?'. Three lightbulb icons represent different viewpoints: GB (Already done this: points system for those outside EU; Jobs for skills matching overseas visitors; No care assists either. Right controls), DC (Immigration is too high. 200,000 is too high. Needs to be tens of thousands. Migration limit needed. New EU countries need transitional controls), and NC (Past govts have failed us. Existing controls removed. Need restoring. Currently you need to show you have a sponsor, and).

The First Election Debate - ITV1

Compendium: SBS 2.0 alpha9

real-time dialogue map

What key elements for fair immigration are required?

GB: Already done this: points system for those outside EU; Jobs for skills matching overseas visitors; No care assists either. Right controls

DC: Immigration is too high. 200,000 is too high. Needs to be tens of thousands. Migration limit needed. New EU countries need transitional controls.

NC: Past govts have failed us. Existing controls removed. Need restoring. Currently you need to show you have a sponsor, and

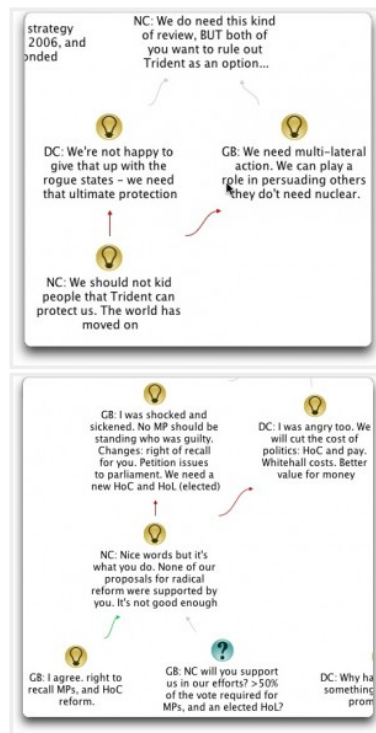
Mapping the UK election TV debates

The screenshot shows a live broadcast of the 'The First Election Debate - ITV1' on the left. On the right, a 'real-time dialogue map' application is open, displaying a central question: 'What key elements for fair immigration are required?'. Three lightbulb icons represent different parties' responses:

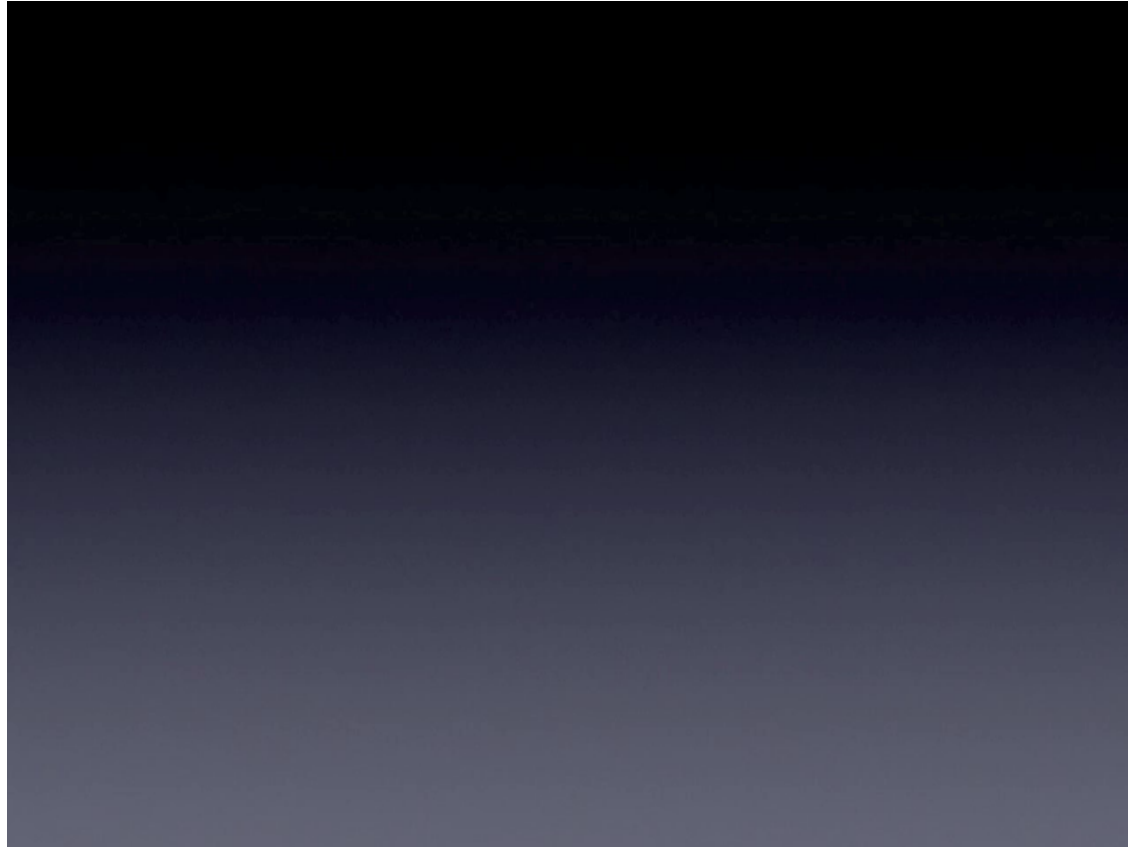
- GB:** Already done this: points system for those outside EU; Jobs for skills matching overseas visitors; No care assists either. Right controls
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The application interface includes a menu bar (File, Edit, View, Tools, Bookmarks, Workspaces, Window, Help), a toolbar, and a status bar. The map is titled '[Map]: UK Election TV Debate'.

Seeing Nick Clegg's moves



Mapping the UK election TV debates



[http://people.kmi.open.ac.uk/sbs/2010/04/
debate-replay-with-map](http://people.kmi.open.ac.uk/sbs/2010/04/debate-replay-with-map)

The EDV Project 2013-2016



Election Debate Visualisation

Overall project objectives

- **Political Research:** Understand the roles that Election Debates could play in developing citizens able to engage more fully in the democratic process

thus motivating...

- **Computation/Informatics Research:** Render and enrich replays of the debates through novel experiences that make visible significant features of the content, and of the context

enabling further research and design through...

- **Open Data:** Publish open datasets for others to analyse and visualise



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; 15 people per group



Election Debate Visualisation



Qualitative research: citizens' perceptions of election debates

Structure of the interviews:

1. The 2010 UK General Elections Debates: views and experiences
2. Improving the debates
3. Final questions



Election Debate Visualisation



Qualitative research: citizens' perceptions of election debates

Structure of the interviews:

1. THE 2010 UK GENERAL ELECTIONS DEBATES: VIEWS AND EXPERIENCES

The aim of the first set of questions is to explore your views and experiences of the last televised election debates in 2010.

- Did you watch the last debates? If not, did you hear about them in other ways?
- Can you remember where you were when you watched the debates? Who was with you? Did you discuss the debates with family, friends, or colleagues?
- What did you get from watching them? Was watching them worthwhile? Were they disappointing in any ways?

One thing that people say that the debates should help us to do is to make a judgement about the political leaders which will then inform our decision about how to vote in the election.

- Did the debates help you to decide what you think of the political leaders?
- Did they help you to understand the policies?
- Did they help you to make a decision about how to vote?



Election Debate Visualisation



Qualitative research: citizens' perceptions of election debates

Structure of the interviews:

2. IMPROVING THE DEBATES

We now want to explore how the next election debates could have been improved. [If necessary, show a short five-minute clip from one of the past election debates at the beginning of this section.]

- What could the leaders themselves do better in order to improve the debates?
- What could the moderators do better in order to improve the debates?
- What could the technology do better in order to improve the debates? (Interactivity; adding additional graphics or features that people can access online via tablets, phones, or computers or via the red button on their televisions)
- How could the media coverage and commentary before or after the debates be improved?



Election Debate Visualisation



Qualitative research: citizens' perceptions of election debates

Structure of the interviews:

FINAL QUESTIONS

- Thinking about all we've discussed, what ONE thing would you want to be changed about the televised debates next time?
- Will you watch the debates next time?



Election Debate Visualisation



Focus groups motivate a set of 'democratic entitlements'

- Ability to scrutinise the communicational strategies adopted by the speakers, e.g. to detect intentional confusion & manipulation
- Understand the meaning, background and historical record of political claims
- Connect disparate arguments and claims with a view to understanding their ramifications, esp. negative
- Have a sense of involvement, presence and voice, including telling their stories

The debate-viewing experience today

The Clegg-Farage 2014 debates on UK-EU relations

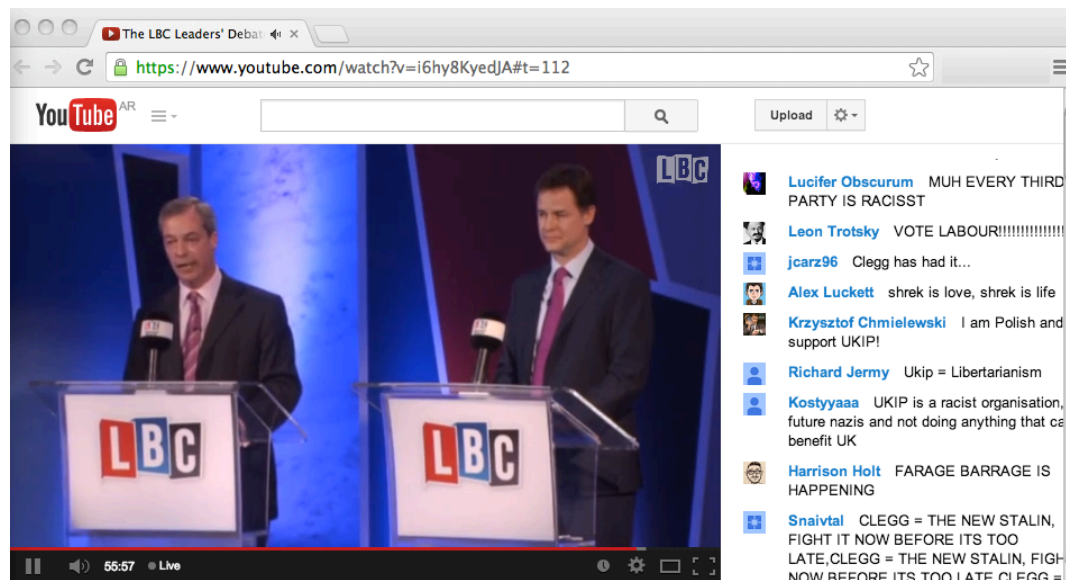


LBC Radio, 26 March



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 is at 55:57 and is marked as "Live". To the right of the video player is a list of comments.

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

https://www.youtube.com/watch?v=i6hy8KyedJA#t=112



Lucifer Obscurum MUH EVERY THIRD PARTY IS RACIST

Leon Trotsky VOTE LABOUR!!!!!!!!!!!!!!

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The Clegg-Farage 2014 debates on UK-EU relations

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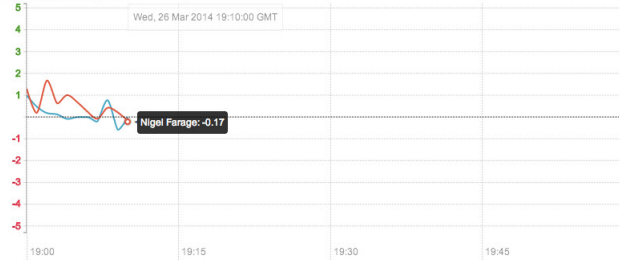


LBC

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 IT NOW BEFORE ITS TOO LATE. CLEGG =

The Clegg-Farage 2014 debates on UK-EU relations

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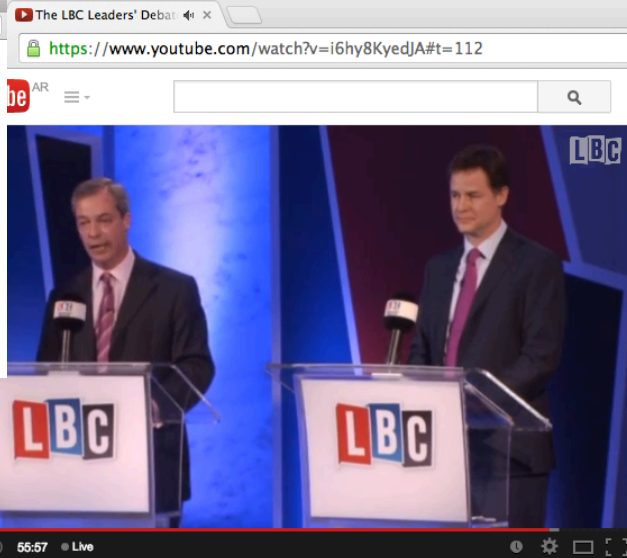
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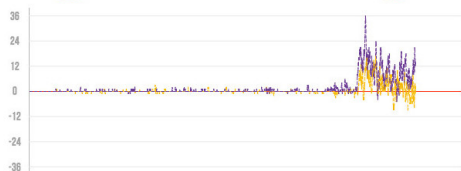


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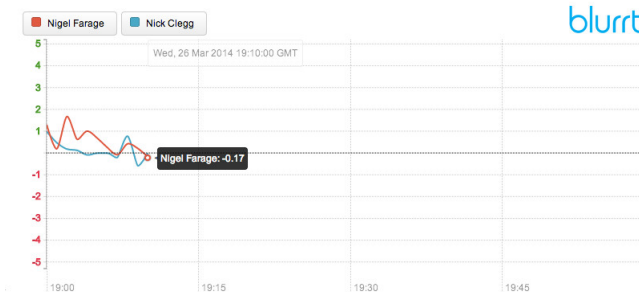


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HAFFENING

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The Clegg-Farage 2014 debates on UK-EU relations

LBC Leaders' Debate: Live Blog

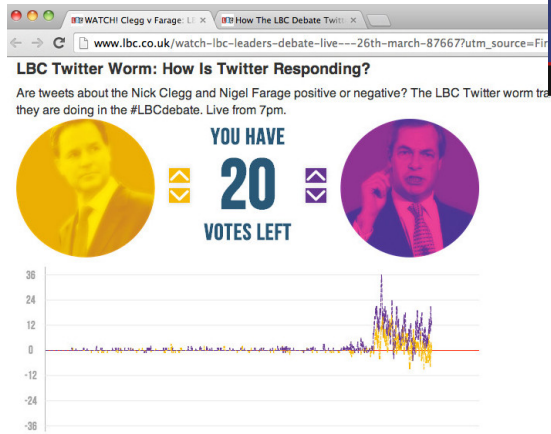
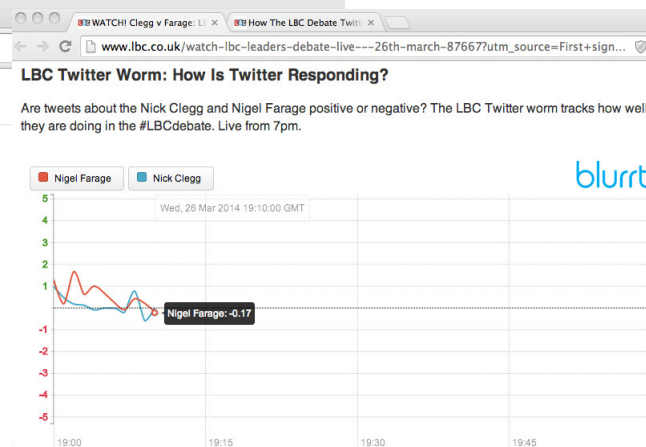
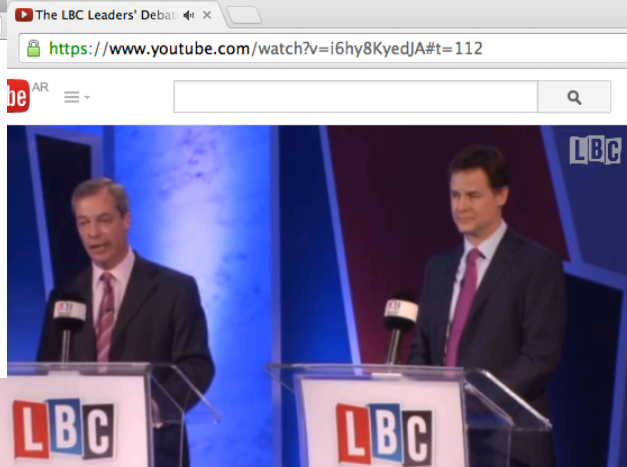
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See Also
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LBC Leaders' Debate -
Live At 7pm

The Clegg-Farage 2014 debates on UK-EU relations

LBC Leaders' Debate: Live Blog

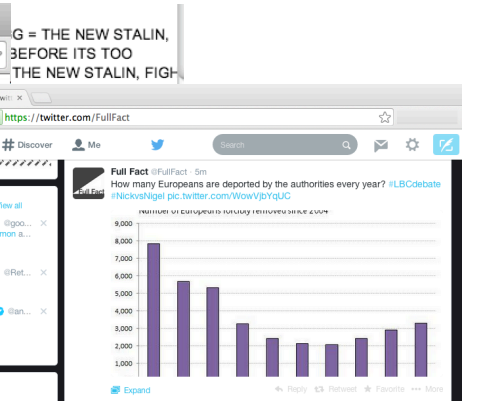
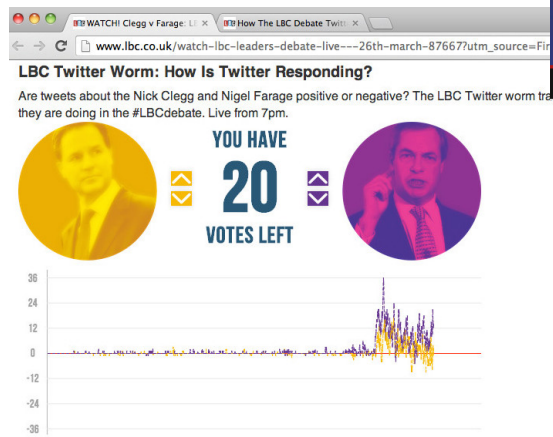
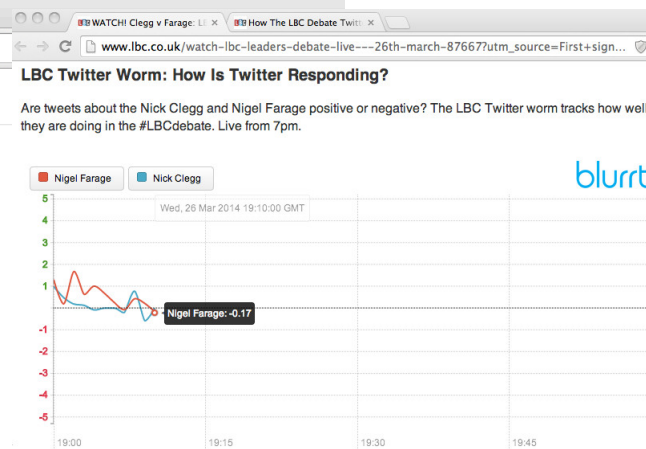
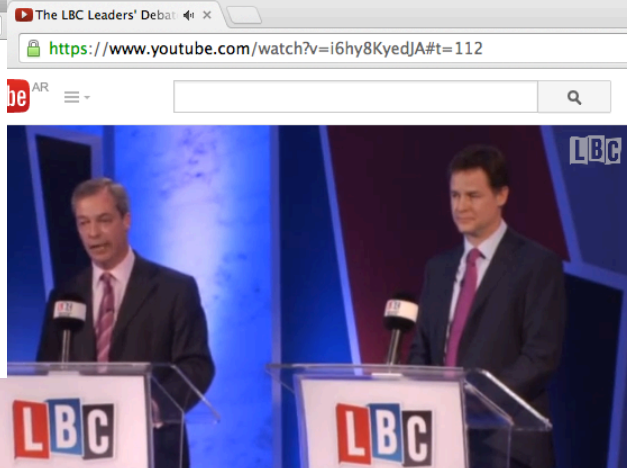
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4:51 PM

LBC Nick Clegg:



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
Kaltrina Bytyrkashi
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

BBC Live site

BBC

News Sport Weather Capital Future Shop TV Radio More...

NEWS UK POLITICS

Home **UK** Africa Asia Europe Latin America Mid-East US & Canada Business Health Sci/Environment Tech Entertainment Video

England Northern Ireland Scotland Wales **UK Politics** Education

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...



LIVE NOW

The European Union: In or Out? BBC coverage

LIVE NOW

Reports and reaction

Join the discussion

BBC Replay site

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NEWS **POLITICS**

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



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:



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

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



WATCH

Clegg v Farage:
Opening statements

WATCH

Clegg and Farage use
leaflet 'weapons'

WATCH

Farage 'indefensible' on
Putin

WATCH

Farage: 'Join the
people's army'

The Future of Election Debate Replays



Computing & Informatics research objectives

- Debate Analytics and Visualizations
- Citizen Voice Channels
- Debate Replay Platform
- (Open Data Archive)



Election Debate Visualisation

Envisioning the future with concept demonstrators

- Automatic, semi-automatic and manual analysis of debate clips and transcripts
- Demonstrate concepts in future user experience, and deeper analytics

Use these to envision broadcasters and other researchers as to what should be possible for the 2020 General Election...



Election Debate Visualisation

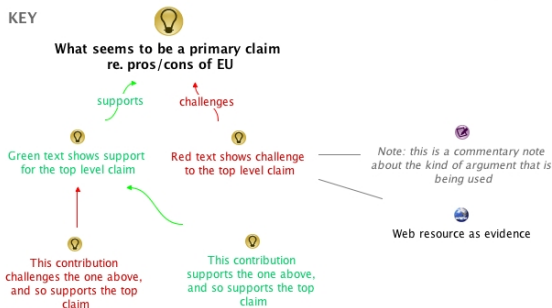
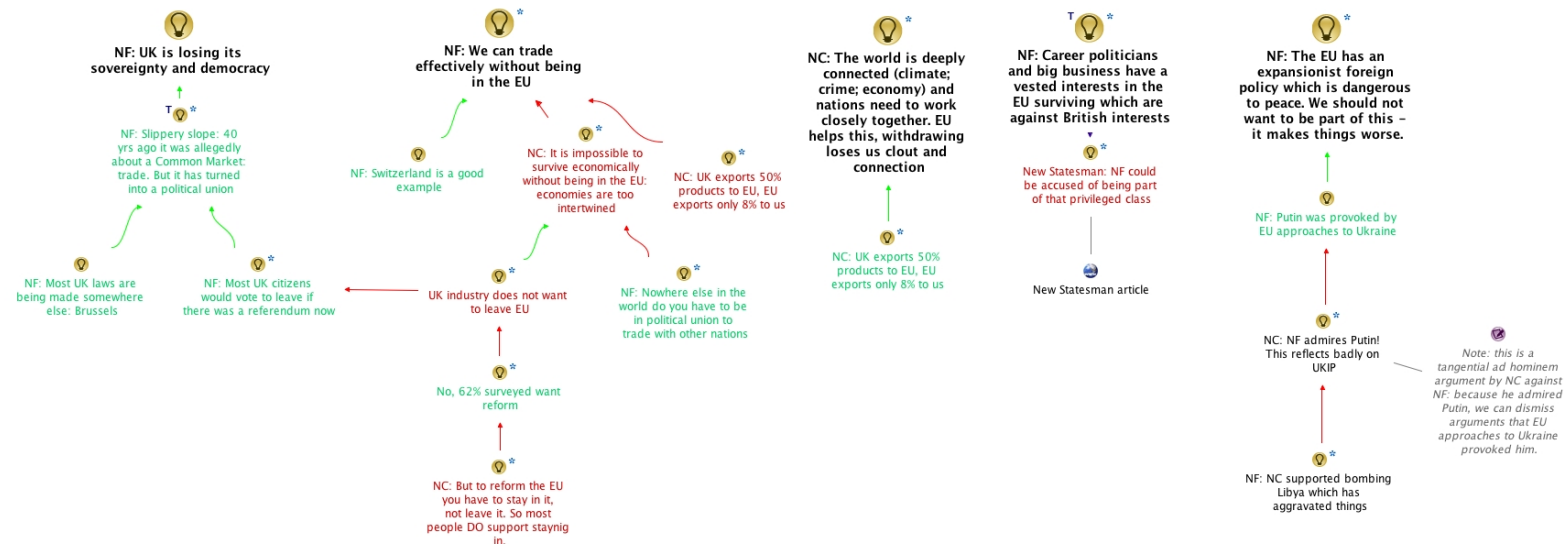
Debate Analytics and Visualisations

- Argument Maps
- Rhetoric and Rules of the Game

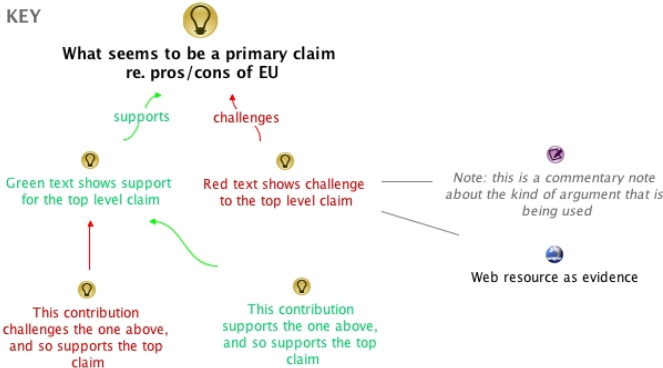
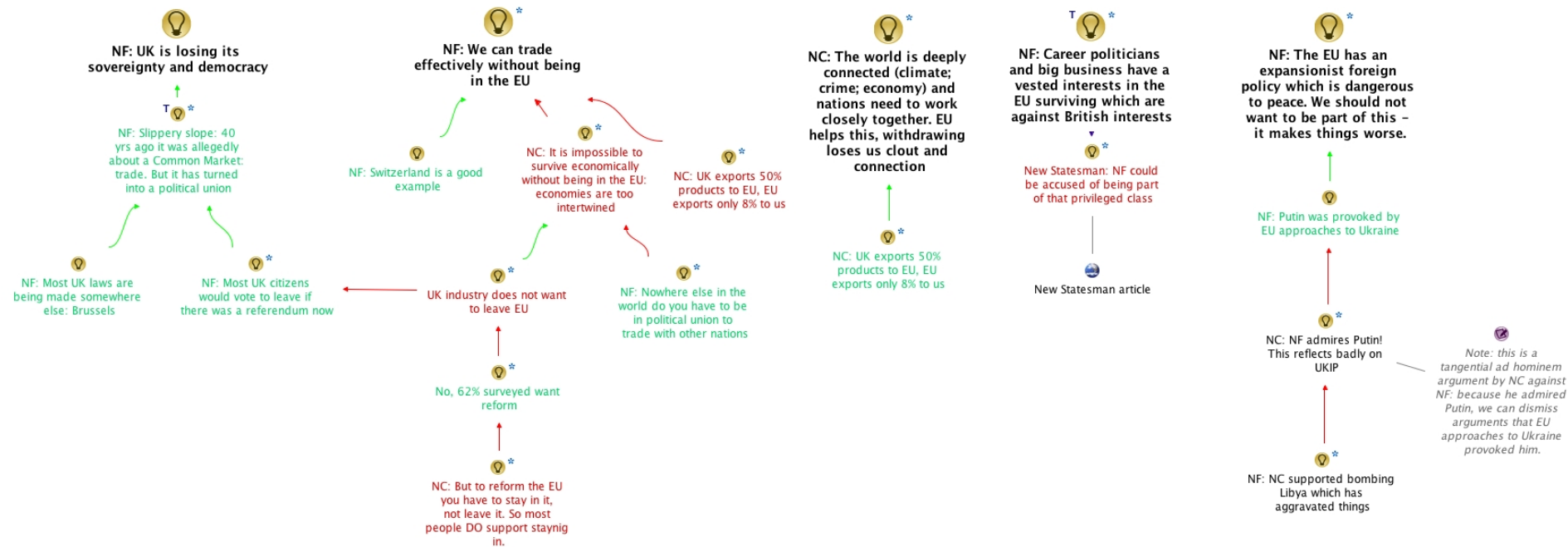
Collaborations might make possible:

- *Social Media Analytics*
- *Fact-Checking*
- *Topic Analysis*

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)

- 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

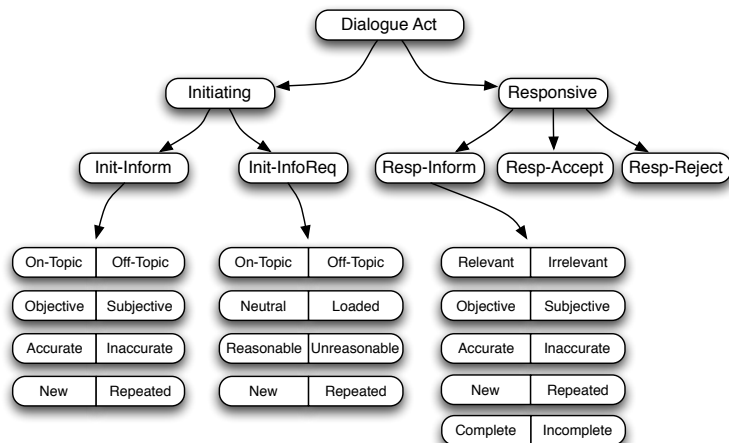
Dialogue Game for Political Interviews (Informal)

1. The interviewer limits himself or herself to:
 - making valid statements,
 - asking valid questions,
 - accepting a contribution from the interviewee, or
 - rejecting a contribution from the interviewee.
2. The interviewee limits himself or herself to:
 - making valid statements,
 - producing valid replies to questions,
 - accepting a statement or question from the interviewer, or
 - rejecting a contribution from the interviewer.
3. If the interviewer makes a valid statement, the interviewee must accept it.
4. If the interviewer asks a valid question, the interviewee must accept it.
5. By accepting a question, the interviewee commits him/herself to providing a valid reply to that question.
6. If the interviewee makes a valid statement, the interviewer must accept it.
7. If the interviewee provides a valid reply to a question, the interviewer is obliged to accept it.
8. By accepting a reply, the interviewer commits him/herself to asking a new valid question.
9. If the interviewer makes an invalid statement, the interviewee must reject it.
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12. If the interviewee makes an invalid statement, the interviewer must reject it.
13. If the interviewee asks an invalid question, the interviewer must reject it.
14. If the interviewee provides an invalid reply, the interviewer must reject it.
15. Repeated (valid and invalid) questions are implicit rejections.
16. Statements (valid and invalid) are implicit acceptances of the contributions in the last turn of the other party.
17. New (valid and invalid) questions are implicit acceptances of the contributions in the last turn of the other party.
18. Replies (valid and invalid) are implicit acceptances of the contributions in the last turn of the other party.

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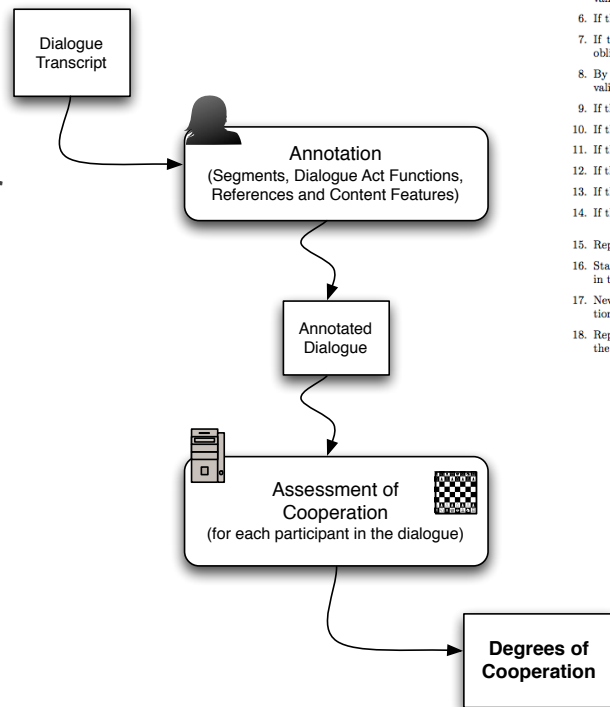
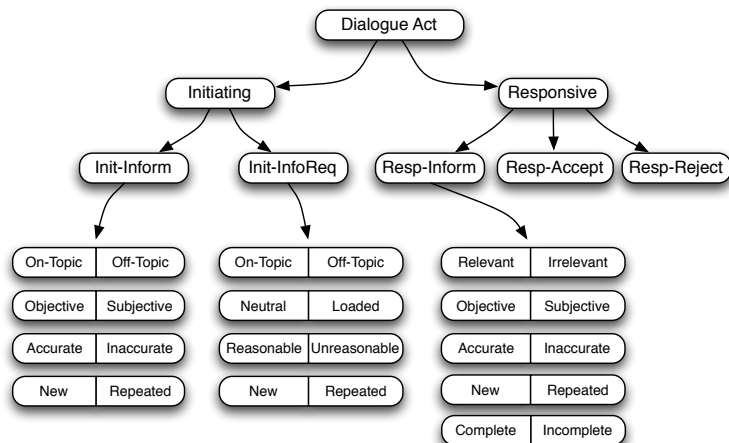


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Rhetoric and Rules of the Game

(Non-Cooperation in Dialogue)

Annotation Tool

TWIST Dialogue Annotation Tool – Brian – paxman-howard-annot.xml

Context
BBC presenter Jeremy Paxman questions former UK Home Secretary Michael Howard with respect to a meeting in 1995 between Howard and the head of the Prison Service, Derek Lewis, about the dismissal of the governor of Parkhurst Prison, John Marriott, due to repeated security failures. The case was given considerable attention in the media, as a result of accusations by Lewis that Howard had instructed him, thus exceeding the powers of his office.

#	Speaker	Turn	Annotated Turn
0	IR	Right, uh ... can you help us with this then? You stated in your statement	
1	IE		
2	IR		
3	IE		

Turn

Right, uh ... can you help us with this then? You stated in your statement that the Leader of the Opposition had said that I (that is, you) personally told Mr Lewis that the governor of Parkhurst should be suspended immediately, and that when Mr Lewis objected as it was an operational matter, "I threatened to instruct him to do it". Derek Lewis says "Howard had certainly told me that the Governor of Parkhurst should be suspended, and had threatened to overrule me". Are you saying Mr Lewis is lying?

Segments

0 :: Init-Inform :: On-Topic :: Objective :: Accurate :: New
You stated in your statement that the Leader of the Opposition had said that I (that is, you) personally told Mr Lewis that the governor of Parkhurst should be suspended immediately, and that when Mr Lewis objected as it was an operational matter, "I threatened to instruct him to do it".

1 :: Init-Inform ::
Derek Lewis says "Howard had certainly told me that the Governor of Parkhurst should be suspended, and had

Function

Init-Inform

Referent Segment

Content Features

- ☒ On-Topic
- ☐ Off-Topic
- ☒ Objective
- ☐ Subjective
- ☒ Accurate
- ☐ Inaccurate
- ☒ New
- ☐ Repeated

Add/Change Segment

Remove

Comment (optional)

Save Cancel

Incomplete ::
what I told the
an opinion .
suspended
he was moved
12 :: Resp-Inform :: @4 ::
and Derek Lewis told the Select Committee of the House of Commons

Loaded dialogue from /Users/bp2392/Desktop/Work/PhD/Workspaces/OU4/Code-TWISTAnnotationTool/tests/paxman-howard-annot.xml

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)

Social Media Analytics

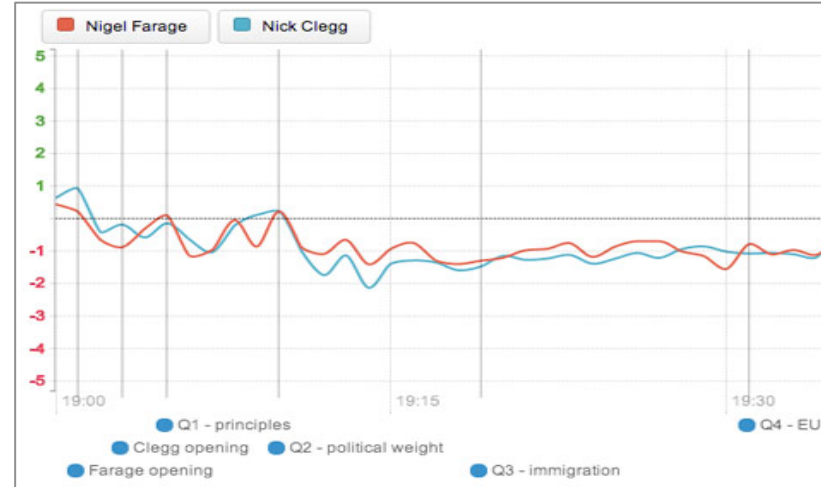


Overall 72% of tweets were about personality,
22% politics shows @Demos/@IpsosMORI
analysis of #europedebate
pic.twitter.com/GJW3nkjDEX

Reply Retweet Favorite More



blurr





Election Debate Visualisation

Citizen Voice Channels

- Viewer Feedback

Collaborations might make possible:

- *Life Stories*
- *Crowdsourced Fact-Checking*
- *Localised Narratives*

What if viewers had a say?



What if viewers had a say?



‘Soft’ Feedback

What if viewers had a say?



‘Soft’ Feedback:

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

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!)



A paper prototype: the flashcard experiment



Emotion cards

A paper prototype: the flashcard experiment



Trust cards

A paper prototype: the flashcard experiment



Information need cards

A paper prototype: the flashcard experiment

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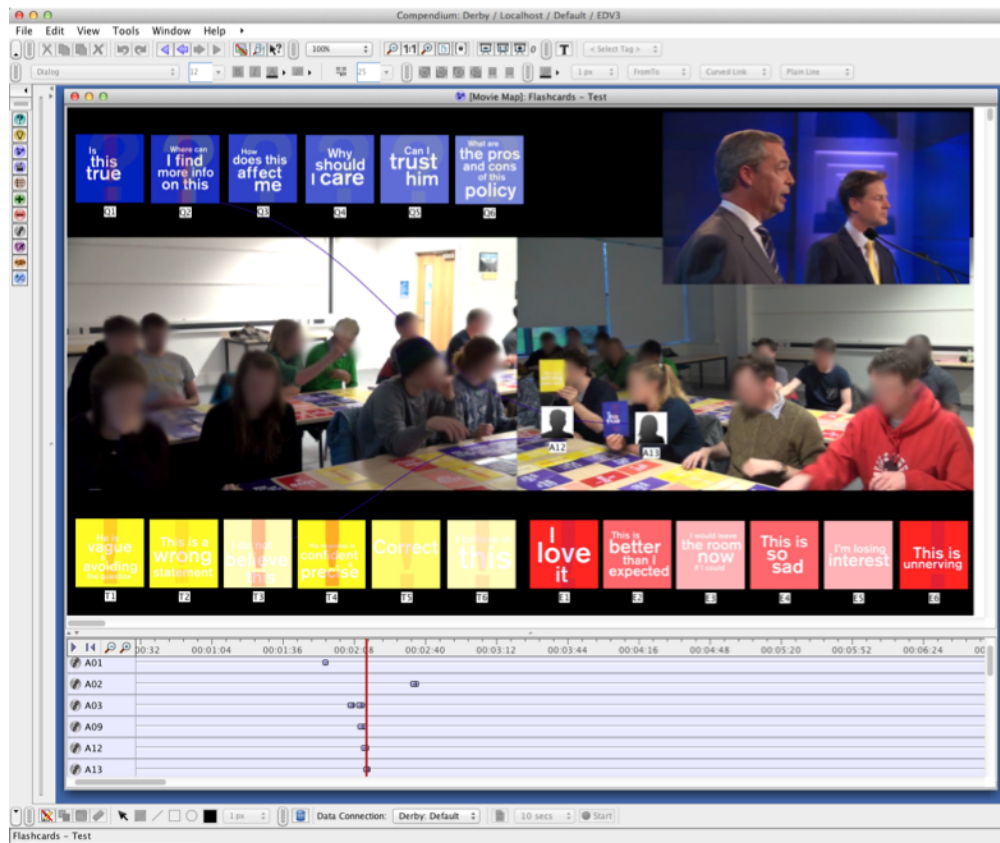


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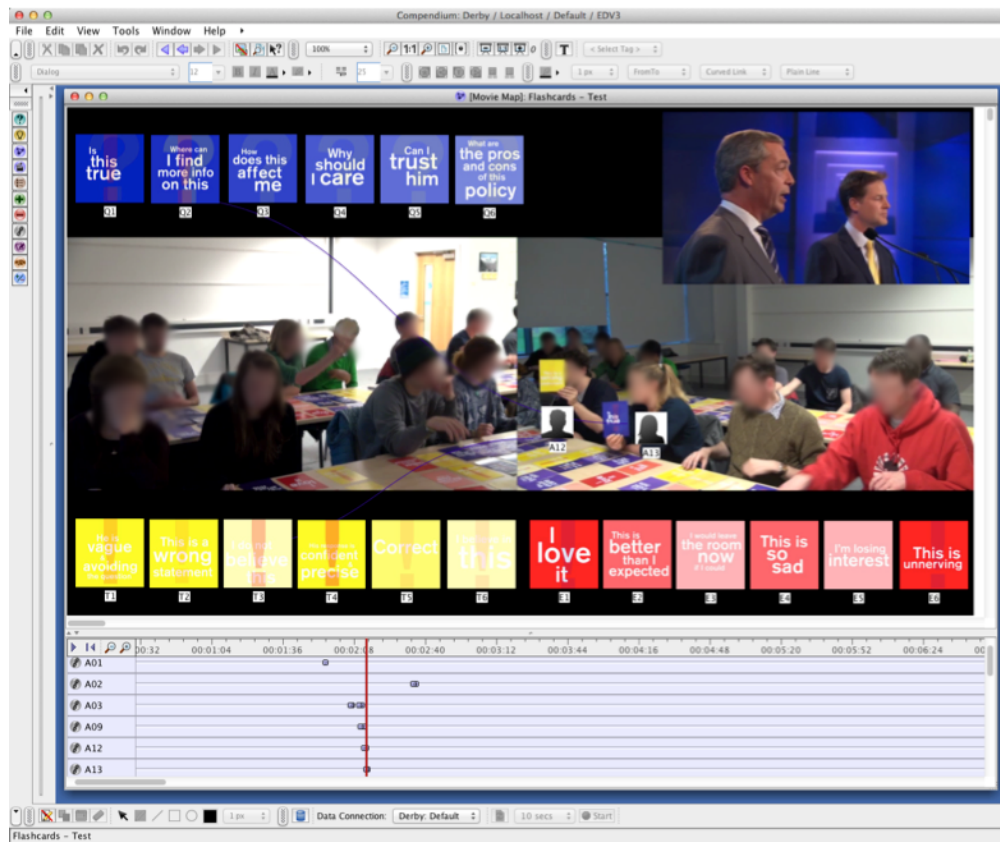
A paper prototype: the flashcard experiment



Compendium Annotations

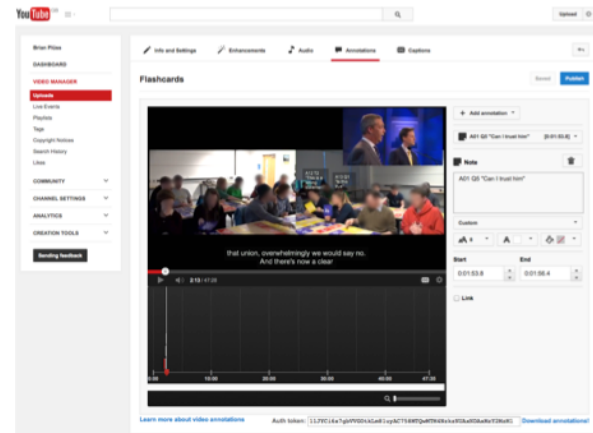
- Video mapping with modifications
- Annotations exported as XML, CSV, etc. for analysis
- Youtube export for dissemination
- Replay of annotated videos

A paper prototype: the flashcard experiment



Compendium Annotations

- Video mapping with modifications
- Annotations exported as XML, CSV, etc. for analysis
- YouTube export for dissemination
- Replay of annotated videos



A paper prototype: the flashcard experiment

Quantitative analysis:

- Most/least frequently used cards
- Most/least frequently used categories
- Comparison with other viewer response analytics

Outcomes:

- Redesign of flashcard deck
- Test of hypothesis on categories
- Insight for the design of feedback interfaces





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 Replay Platform

Video Player

Soft Feedback

EDV Debate Replay System - 2010 General Election: Third Leaders' Debate

<http://edv-project.net/replay/play?d=2010ged3>

Video Argument Map Fact-Checking ...

Fact-Checks Tweet Sense Cooperation ...

Video Player

Have your say!

Is this true? What 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?

It is vague & avoiding the question. This is a wrong statement. I do not believe this. I am not confident precise. Correct. I believe in this.

I love it. This is better than I expected. I would love the room now if I could. This is so sad. I'm losing interest. This is unnerving.

Visualisations Menu

Fact-Checks Tweet Sense Cooperation ...

Clegg Non-Reply

0.6

0.3 0.6 0.9

Visualisation in Focus

How many Brits want a referendum? 44% told pollsters YouGov that they want a referendum before the next election

Public attitudes to EU referendum

11% 16% 23% 6% 12%

Of 10,000 people asked, 44% said they would like to see a referendum on Britain's membership of the EU in the next Parliament. 11% would like to see it now.

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EDV Replay Platform

Argument Map

EDV Debate Replay System - 2010 General Election: Third Leaders' Debate

<http://edv-project.net/replay/play?d=2010ged3>

Video Argument Map Fact-Checking ...

Argument Map:

- Top Level:**
 - What key elements for fair immigration are required?
 - Debate 40
 - Immigration measures make it fairer?
- Left Column (Green/Yellow):**
 - GC: Immigration is too high. 200,000 is too high. Needs to be tens of thousands. Migration limit needed. New EU countries need transitional controls.
 - GC: Already done this points system for those outside EU. Jobs for skills matching overseas visitors. No cash assistance either. Right controls.
 - GC: It is not true we started 5 years ago.
 - GC: I agree with this, and we surely don't need a cap.
 - GC: Illegal immigrants decrease already because we
- Right Column (Red):**
 - NC: Test governments failed us. Exist controls removed. Need waiting. Currently you need to show you have a sponsor, and a job. I would add you only go to a region where you're needed.
 - DC: We need not border control but also border police force in order to stop illegal immigration.
 - NC: There is good immigration and bad immigration. There are experiences coming from abroad that our social services need. We don't want a cap but a regional approach.
- Bottom Level:**
 - GC: It's falling already. An arbitrary cap is not enough.
 - DC: I think the cap is necessary because we are not taking in enough immigrants until we take some concrete and position steps. We need the cap.

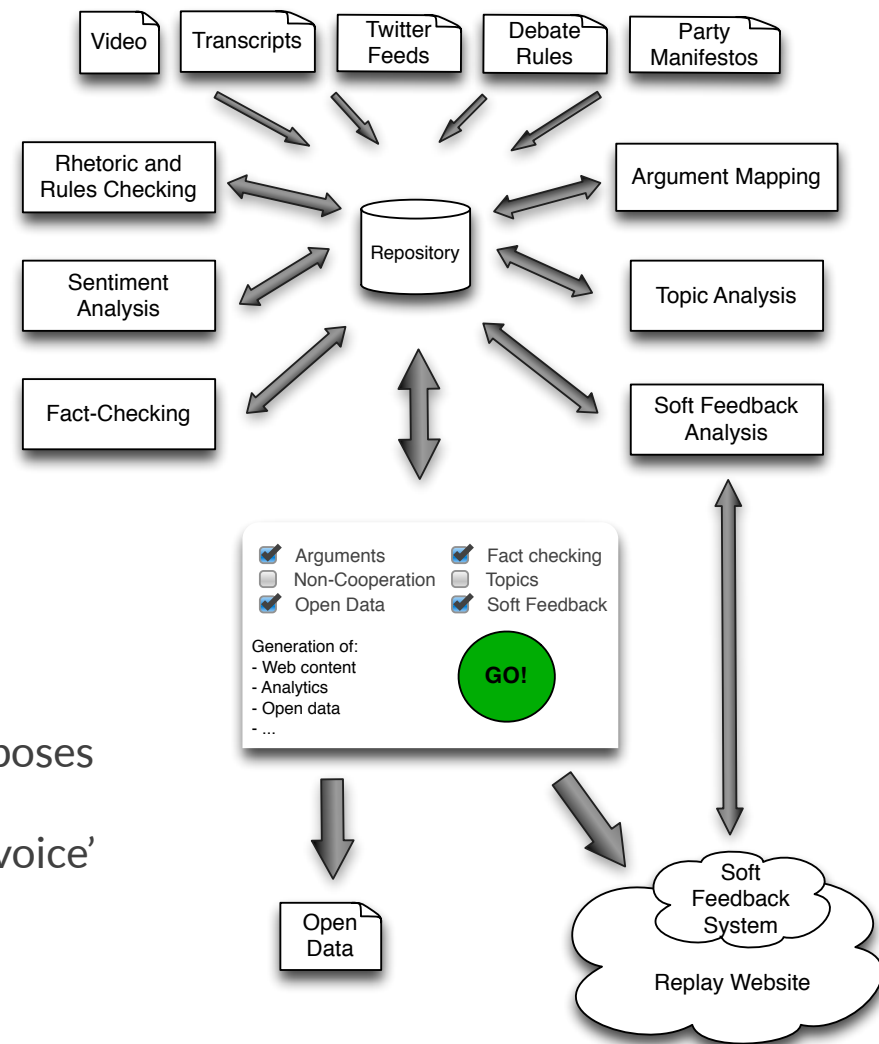
Relevant Clips:

- Clip 1: A large hall with many people seated at round tables.
- Clip 2: Three people standing at podiums on a stage.
- Clip 3: A man speaking at a podium.
- Clip 4: Three people standing at podiums on a stage.

Video Player:

Play button, progress bar, volume icon, and other standard video controls.

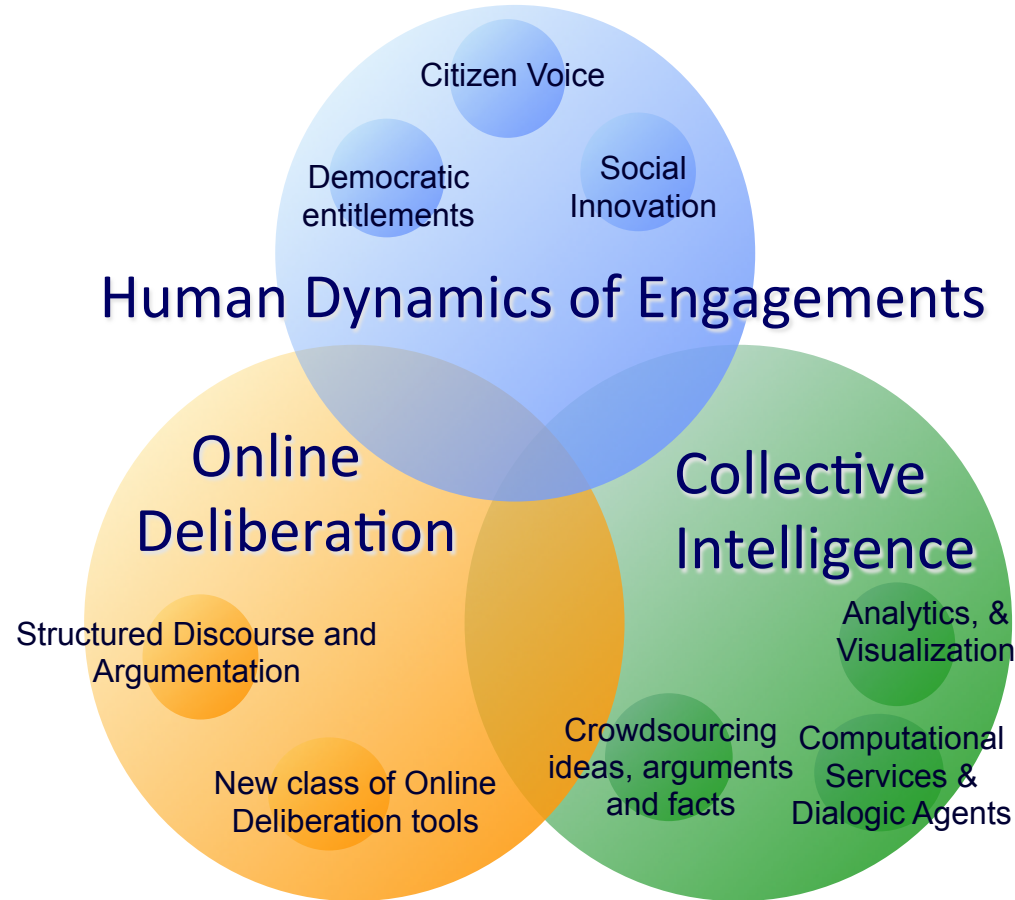
EDV Architecture Sketch



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'

Contested Collective Intelligence for the Common Good (Social, Visual and Argumentation-based CI)





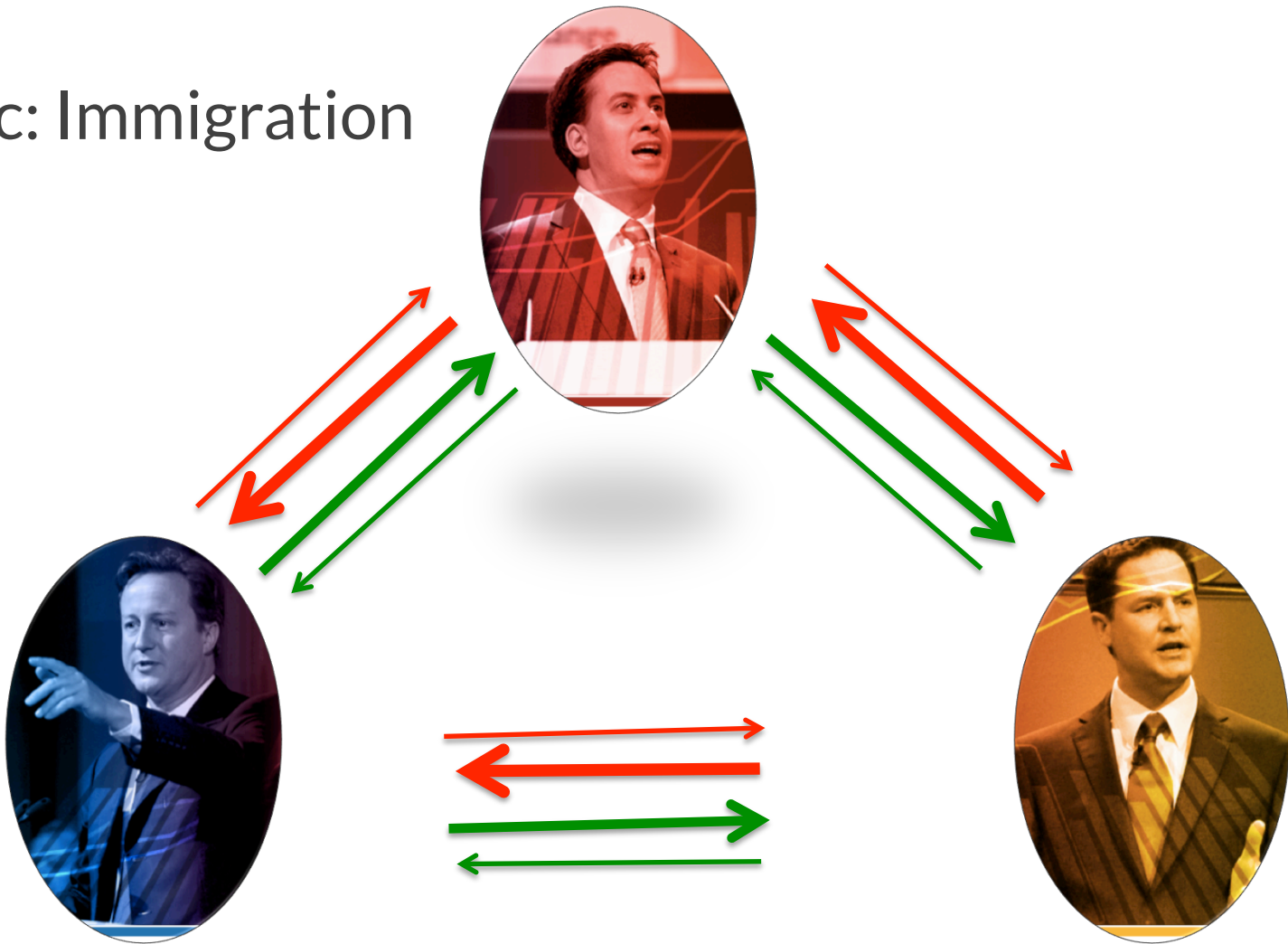
**Election Debate
Visualisation**



Future Research Collaborations

- Combining sentiment, topic and opinion mining of **social media data** to political debate analysis and visualization
- Automated sentiment and topic and analysis of **election debate transcripts** will be used to generate engaging visualizations and summarization of the debate content

Topic: Immigration





Stadium *Live*

Future Research Collaborations

- Enabling soft feedback during the live broadcasting of the political debate
- Soft feedback widget for Stadium Live
- This would provide a platform for experimentation of different research hypothesis (f.i. how do soft feedback statistic affect opinion changes and debate participation?)
- It would also provide a platform to engage a larger audience.

Student Connections conference 2014

Monday 30th June 2014

Starting at 12:00. Duration 8 hours.



Welcome to the Faculty of Social Science Student Connections Conference 2014.

For this event we are making available a new, experimental interactive experience, which we hope you will enjoy. However, as this uses the latest internet technologies some older browsers may not be compatible, and a video only option will be provided in such a case. This option is also provided for non-OU account holders.

For further details, including how to get a free OU account, please see the help page:

 [Help Page](#)

If you don't have an OU account and wish to only watch the event, [enter here](#).

This event is scheduled to start at:

12:00 on 30th June 2014

Time remaining to start:

11 days 17 hours 8 minutes

Welcome Anna De Liddo

An enter button will appear here
when the event is live





**Election Debate
Visualisation**



Future Research Collaborations

- Collective Intelligence and Visual Analytics Dashboard for online discourse and argumentation data (IBIS datamodel)





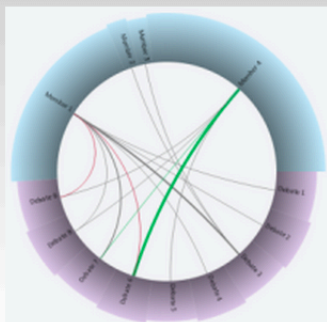
Debate Hub

[Sign In](#) | [Sign Up](#) | [About](#) | [Help](#)[? Site Search](#) 

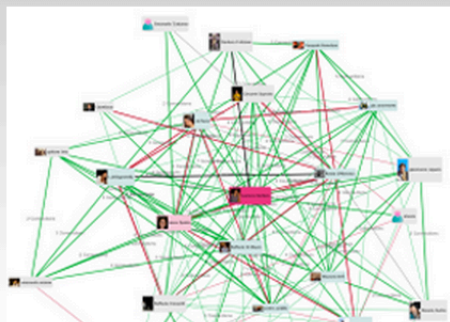
Debate Hub Global Analytics

[Home](#) [People & Issue Ring](#) [Contribution River](#) [Social Network](#) [Overview](#) [Items Created](#) [Voting](#)

People & Issue Ring




Social Network



Overview


Top Item Creators

 **Michelle Bachler - Yahoo**

Idea count: 33

 **Anna De Liddo**

Idea count: 28

 **Stephen Barnett**

Idea count: 1

 **Jack Park**

Idea count: 1

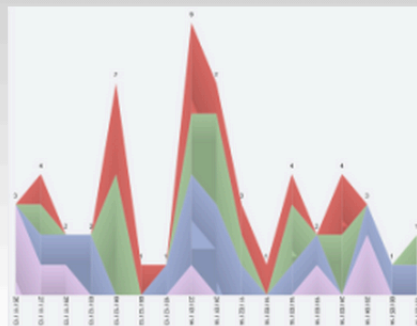
 **Lee-Sean Huang**

Idea count: 1

Voting

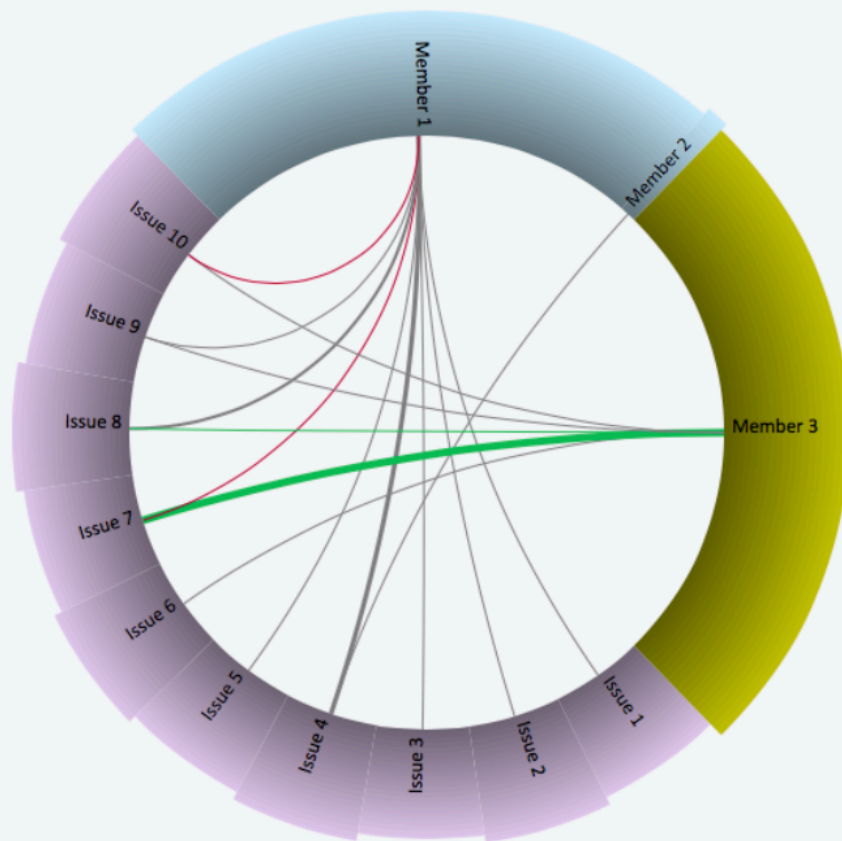
Category	Name	Item For	Item Against
Debate	Training the community leaders of the next century	3	0
Argument (Pro)	Traditional learning methods most commonly employed in reimagined education provide learning experiences that are inadequate as they all to provide accurate, timely feedback on competency development in the areas most germane to business	0	0
Idea	I think about joining an organization, and not a "sector"	0	0
Idea	Idea One	0	0
Idea	To develop professionals for success in an environment of strong market forces, changing people issues and shifting leadership competencies, a new educational model will have to be forged.	0	0
Debate	Discuss what is actually happening in European politics today.	1	1
Idea	Such a hub idea again	0	0
Idea	Twisting Direction 3	0	0
Argument (Pro)	A new supporting thing24	0	0
Argument (Con)	Focusing on changing the educational model will slow down development and response to pressing problems	0	0

Contribution River



Items Created





Details Area

Member 3: **Michelle Bachler - Yahoo**

created:

3 Issues

10 Supporting Arguments

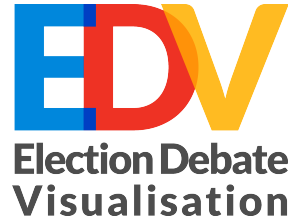
7 Counter Arguments

9 Ideas

and is connected to:

- Issue 6: **Classical world: Is it still relevant?**
with:
1 Issue
- Issue 7: **First Family Debate**
with:
1 Issue
7 Supporting Arguments
6 Counter Arguments
6 Ideas
- Issue 8: **Training the community leaders of the next century**
with:
2 Supporting Arguments
1 Idea
- Issue 9: **How can we build a network of people, skills and opportunities for future community leaders?**
with:
1 Idea
- Issue 10: **Discuss what is actually happening in European politics today.**
with:
1 Issue

Thanks for you time!



Simon Buckingham Shum, Anna De Liddo and Brian Plüss

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