



VISUAL AND DATA JOURNALISM AT THE BBC

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BBC News

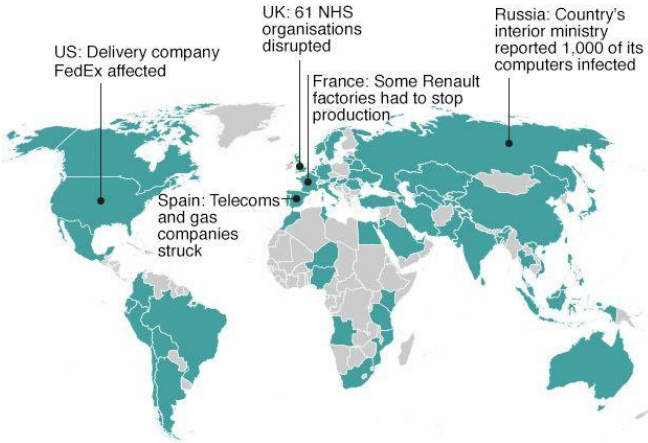
[@farnsa](https://twitter.com/farnsa)



Online we make maps, charts, graphs, longform storytelling and interactive digital content for mobile, tablet, desktop and social media

A wide range of daily graphics

Countries hit in initial hours of cyber-attack



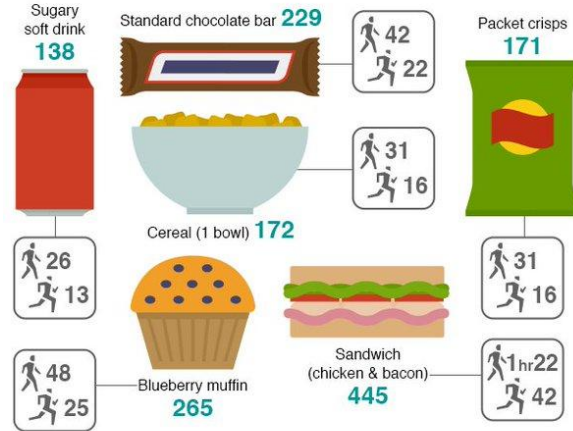
*Map shows countries affected in first few hours of cyber-attack, according to Kaspersky Lab research, as well as Australia, Sweden and Norway, where incidents have been reported since

Source: Kaspersky Lab's Global Research & Analysis Team



How much exercise does it take to burn off calories?

Time it takes to burn off calories in minutes: Walking (3-5mph) Running (5mph)

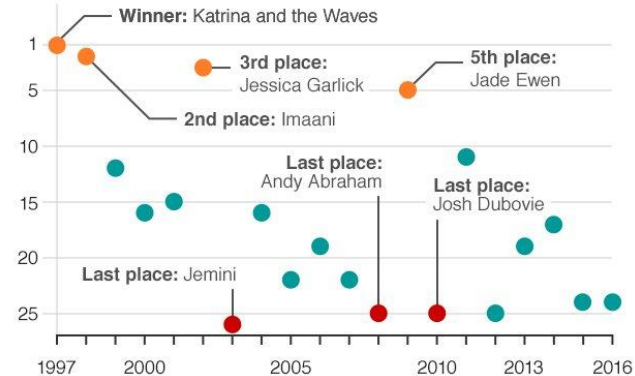


Source: RSPH



The UK's recent history at Eurovision

UK position



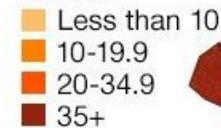
The number of finalists has fluctuated between 23 and 27

Source: Eurovision Song Contest

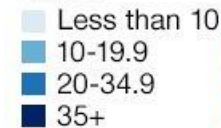


Winning margins (%)

Macron

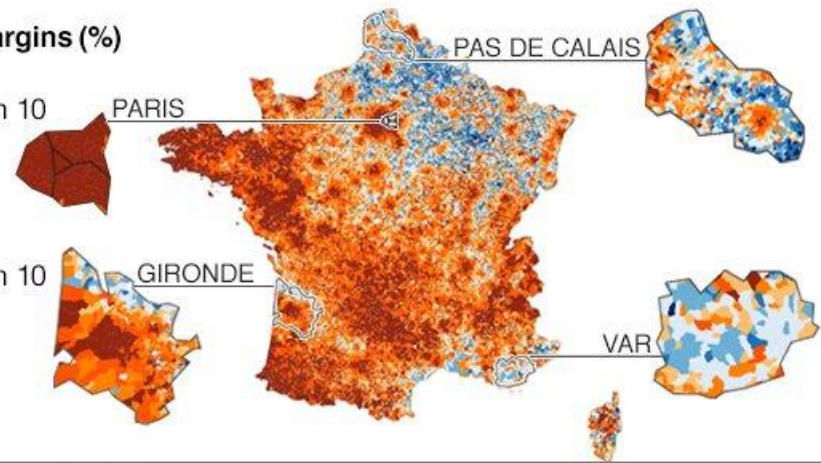


Le Pen

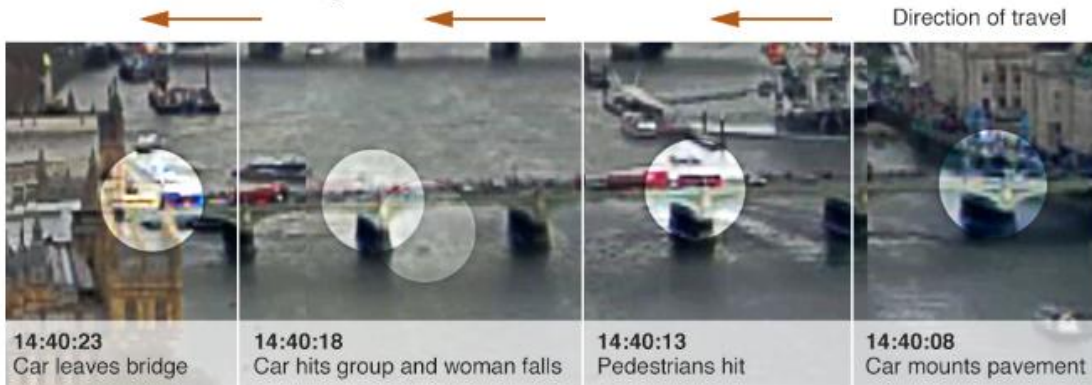


□ Draw

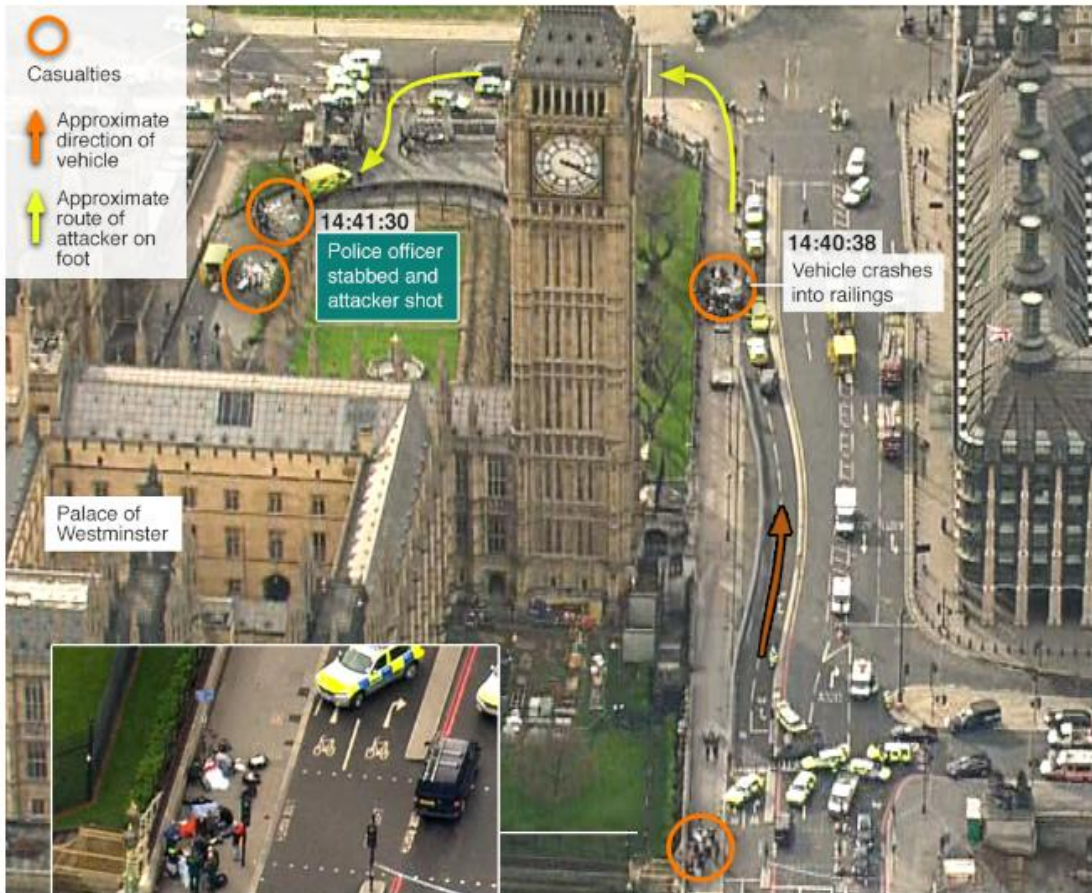
Source: French Interior Ministry



Terror on Westminster Bridge



The aftermath of the attack



Bigger projects

What has President Trump said about your country in his first 100 days?

© 27 April 2017 | US & Canada

f t m Share

What the US president says in public about other countries has been a major part of international diplomacy for the last 100 years.

Find out which foreign leaders President Trump has met or called since taking office, as well as the countries he has mentioned in his tweets.



Enter a country...

e.g. North Korea



...select an option from below...

Most meetings	United Kingdom	North Korea	Japan
Most calls	Russia	Germany	Iraq
Most tweets	China	Iran	Canada

...or [view all](#)

<http://www.bbc.co.uk/news/world-us-canada-39732845>

Simple data-led story

NHS Health Check: Nine in 10 hospitals 'overcrowded' this winter

By Nick Trigg
Health correspondent

🕒 21 February 2017 | Health

🔗 Share



The number of patients on hospital wards in England has been at unsafe levels at nine out of 10 NHS trusts this winter, BBC analysis shows.

<http://www.bbc.co.uk/news/health-38853707>

Data-led story



© 15 March 2016
Middle East

The war in Syria has raged for five years and claimed the lives of more than a quarter of a million people. Millions have fled the conflict, but nearly 18 million people still live in the war-torn country — so what is life like for them?

Counting the cost

In many areas the threat of death or injury is a fact of life. Everyone in Syria will have known people who have died — but the exact number of those who are gone may never be known.

The Violations Documentation Center, a network of activists inside Syria, has worked to record the victims and the cause of their deaths. Below are some of the names of children the group has confirmed as having been killed in the civil war.

Ahmad Abdo Khder Tellawi, a boy from Homs, **was shot and killed** on 17 April 2011

To see the names of all the children killed would take
over 19 hours

Original data investigation



NEWS

Buried without a name

The untold story of Europe's drowned migrants

By Vladimir Hernandez
and Nassos Stylianou

BBC News

© 11 May 2016 | Europe

More than 1,250 unnamed men, women and children have been buried in unmarked graves in 70 sites in Turkey, Greece and Italy since 2014, a BBC investigation has found. They died trying to cross the Mediterranean to seek a new life in Europe.

Over the past two years an estimated 8,000 people have lost their lives trying to cross into the EU, according to figures from the International Organization for Migration (IOM).

Most are lost at sea, but many bodies have been washed ashore, bringing tragedy to the beaches of Greece, Italy and Turkey.

<http://www.bbc.co.uk/news/resources/idt-91f3683c-5e3c-4a2e-92eb-7d7f6a024c02>

96 incidents

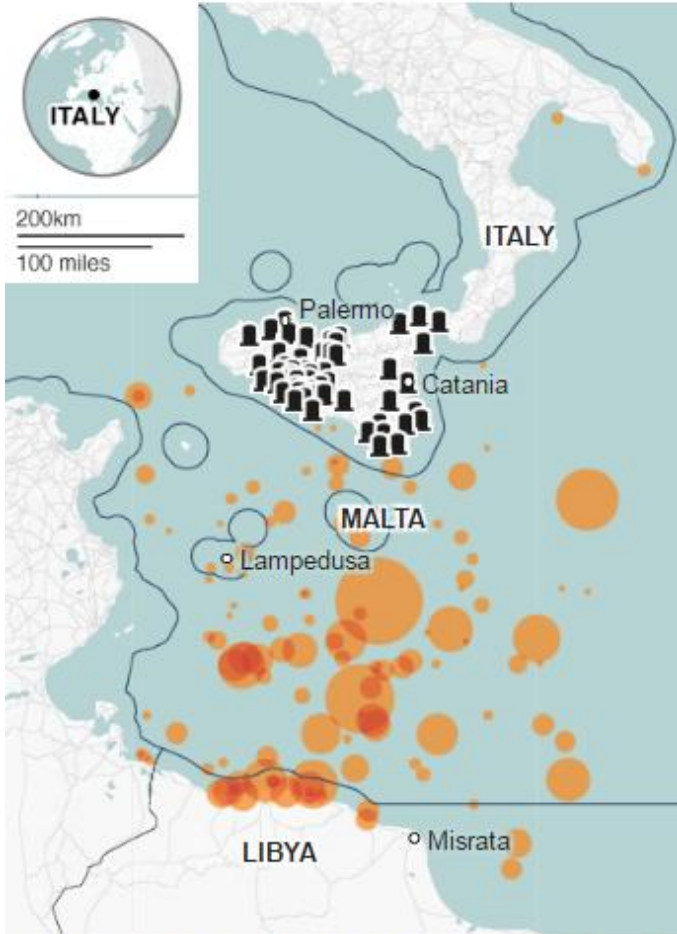
7,055 dead or missing

56 cemeteries

346 unmarked graves



200km
100 miles



Google, Open Street Map, IOM's Missing Migrants Project and BBC research. Some locations are approximate. Data is from 1 January 2014 to 30 April 2016

Number of people reported dead or missing



Of the 30 areas with the...

most elderly people,
27 voted Leave

fewest graduates,
28 voted Leave

most people identifying as English,
all 30 voted Leave



Source: Census 2011



The price of the crossing ranges from \$600 – \$2,500

Average travel time in a rubber boat is 1-2 hours in clear weather, but may take much longer if the sea is choppy

Aegean Sea

Personal relevance

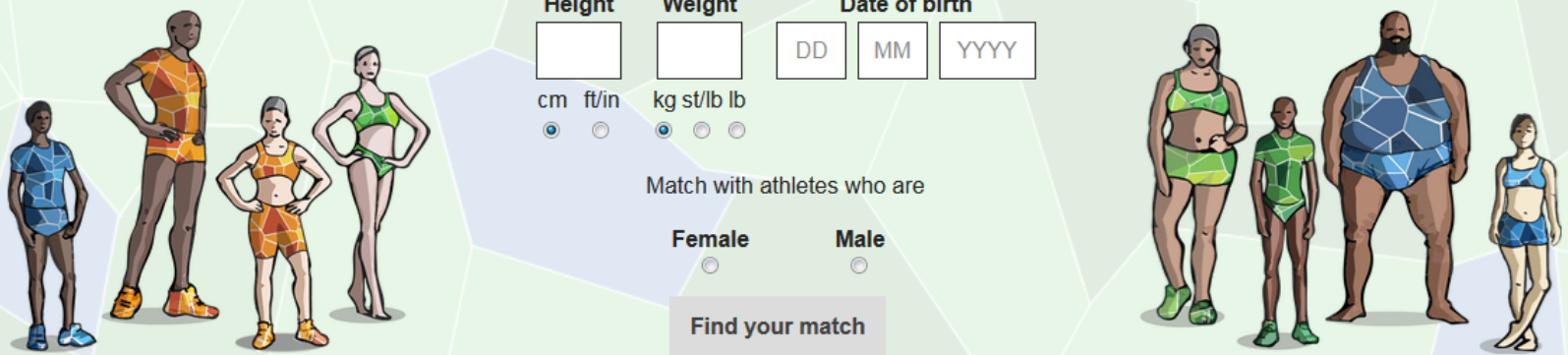
Who is your Olympic body match?

Enter your details below to find your Rio 2016 body match from our database of more than 10,000 athletes taking part in the Games

Height	Weight	Date of birth		
<input type="text"/>	<input type="text"/>	<input type="text" value="DD"/>	<input type="text" value="MM"/>	<input type="text" value="YYYY"/>
cm <input checked="" type="radio"/> ft/in <input type="radio"/>	kg <input checked="" type="radio"/> st/lb <input type="radio"/> lb <input type="radio"/>			

Match with athletes who are


Female **Male**



<http://www.bbc.co.uk/sport/olympics/36984887>

Match!

Home Moments Search Twitter Have an account? Log in

 **Jazmin Sawyers** @JazminSawyers [Follow](#)

I did this quiz. Shockingly, I got myself as the #1 match. Found this unnecessarily pleasing and amusing 😂

is your Olympic Body N **BBC Sport** @BBCSport
How do you measure up to the Olympians?
Find out which #Rio2016 athlete you resemble most

RETWEETS 63 **LIKES** 244

6:23 AM - 10 Aug 2016

7 63 244

Jazmin Sawyers @JazminSawyers
22y/o Long Jumper. 2016 Olympic finalist.

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US election 2016: Trump victory in maps

© 1 December 2016 | US Election 2016

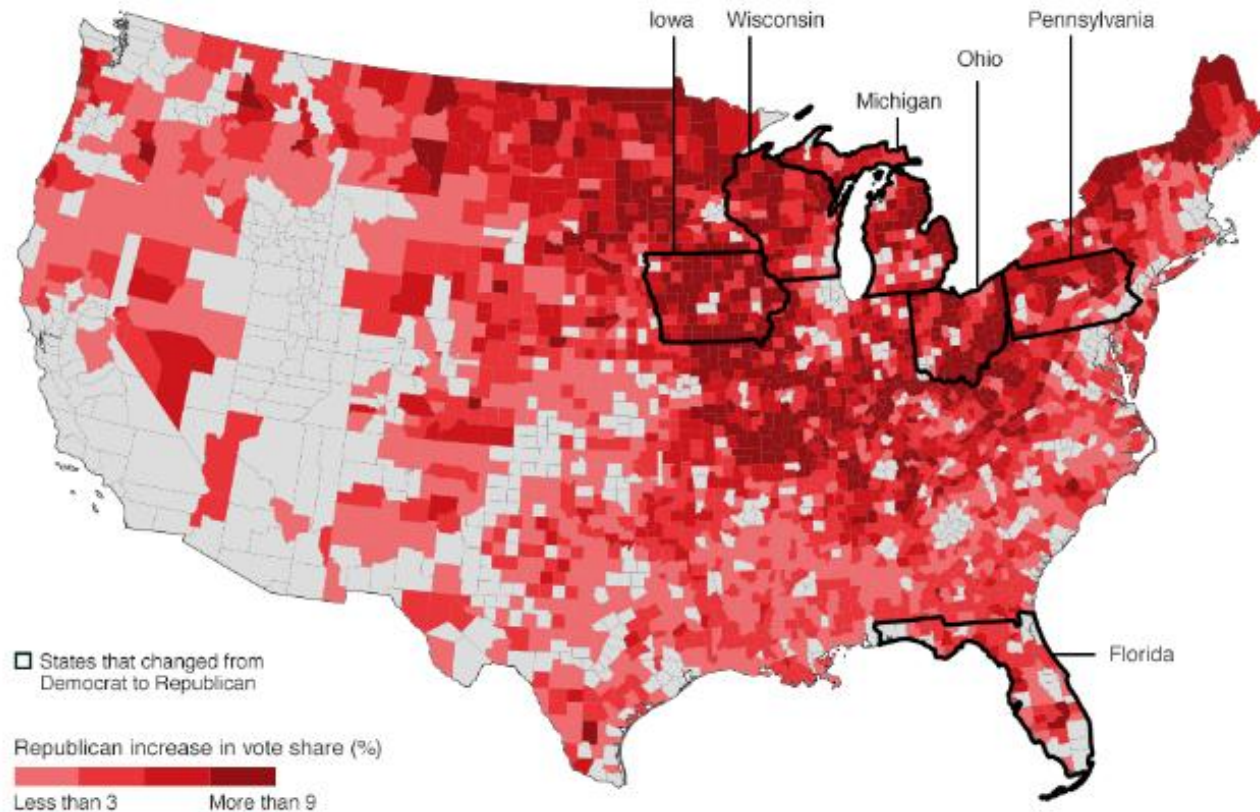
Share

In a stunning election night, the Republican nominee for president, Donald Trump, secured victory after a string of formerly Democratic states swung his way.

Pennsylvania, Florida, Ohio, Wisconsin, Iowa and Michigan all turned red.

Nationally, Donald Trump won 47% of the vote to Hillary Clinton's 48% - yet this translated into 306 electoral college votes for the Republicans and 232 for the Democrats.

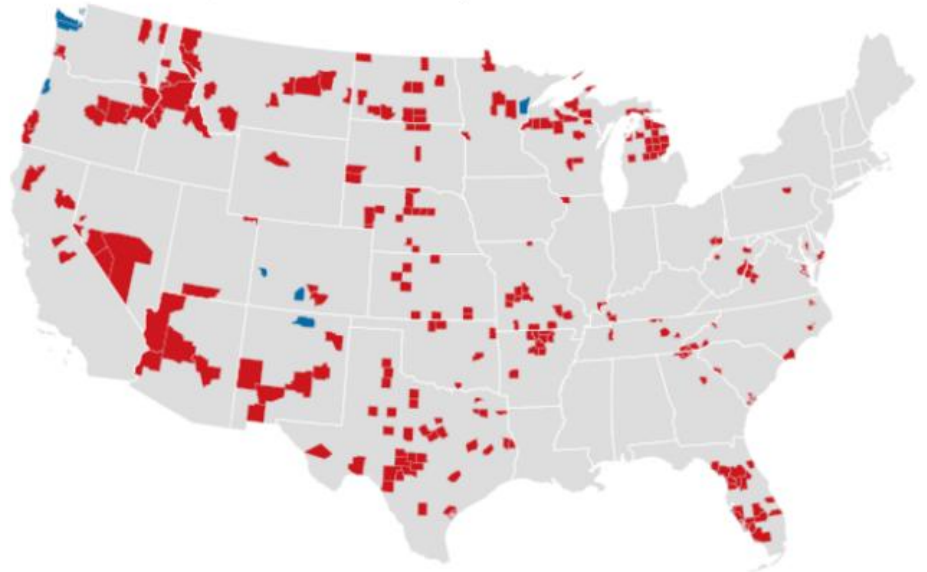
Counties where Trump increased the Republican vote



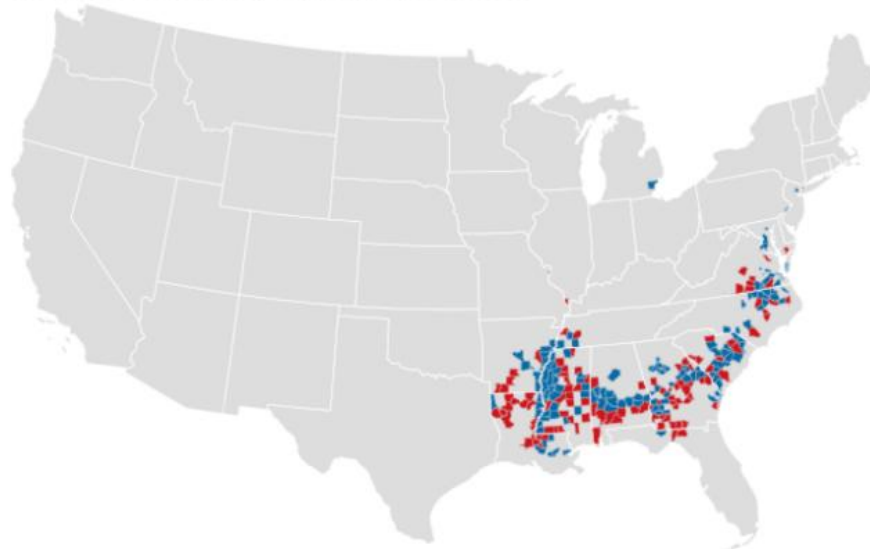
Of the 250 counties with the...
...most white people, 249 voted for Trump



...most old men, 241 voted for Trump



...most black people, 144 voted for Clinton



Source: US census

BBC



Election 2017 poll tracker: How the parties compare

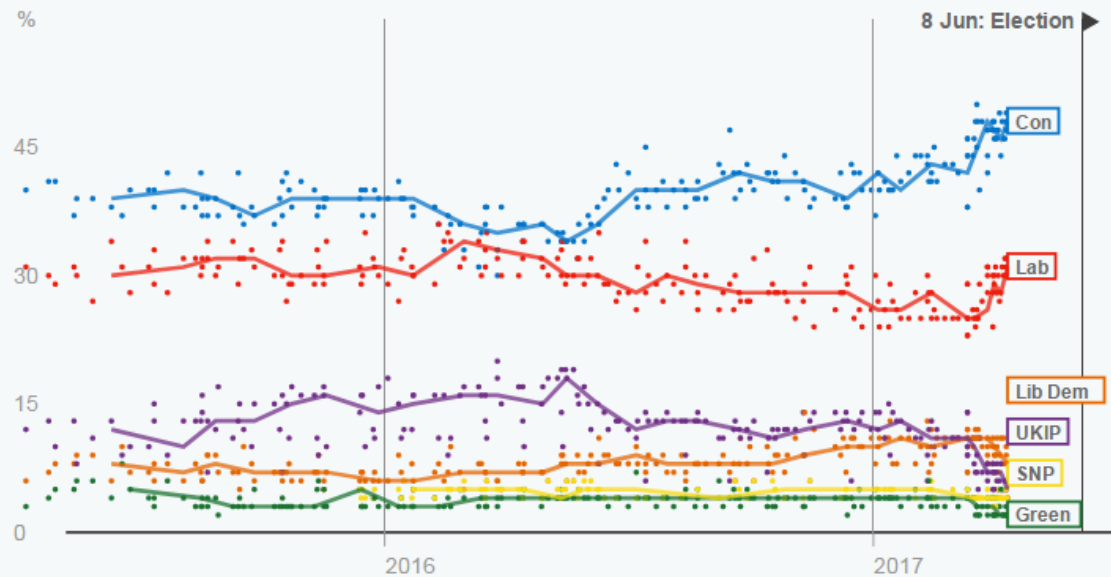
2

15 May 2017 | Election 2017

f t b ✉ Share

Who will win the general election and by how much? Check what the latest opinion polls say and follow updates from the BBC's senior elections and political analyst Peter Barnes. The poll tracker will be updated as the campaign unfolds.

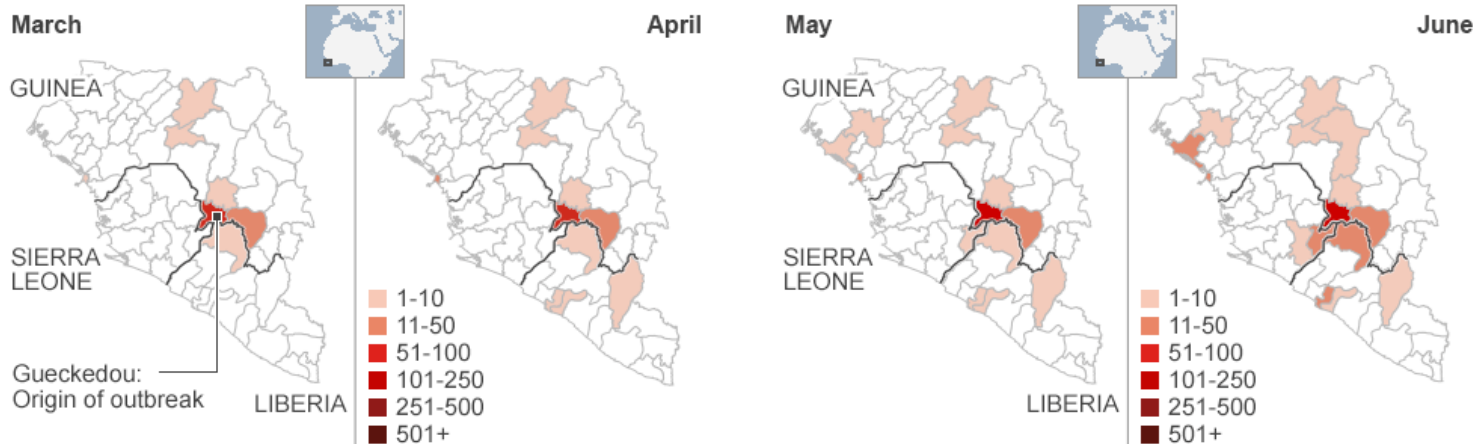
Voting intention



The **trend lines** are calculated as a rolling median of the seven latest polls. The median is the middle value of a set of numbers. When new polls are added, the median recalculates to take account of the latest 7 poll values.

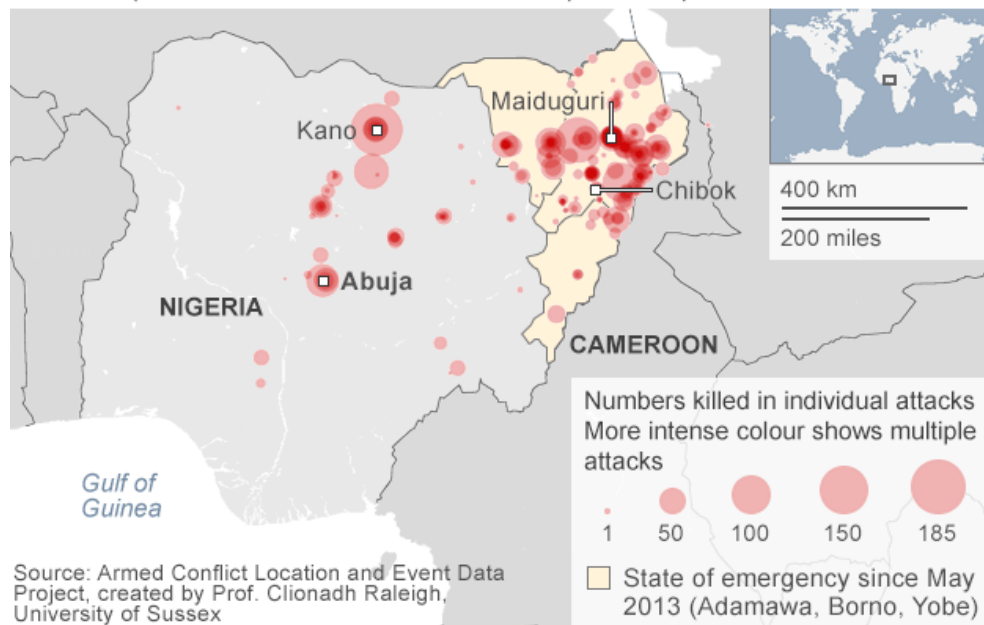
See individual polls

How the virus spread: Ebola death toll



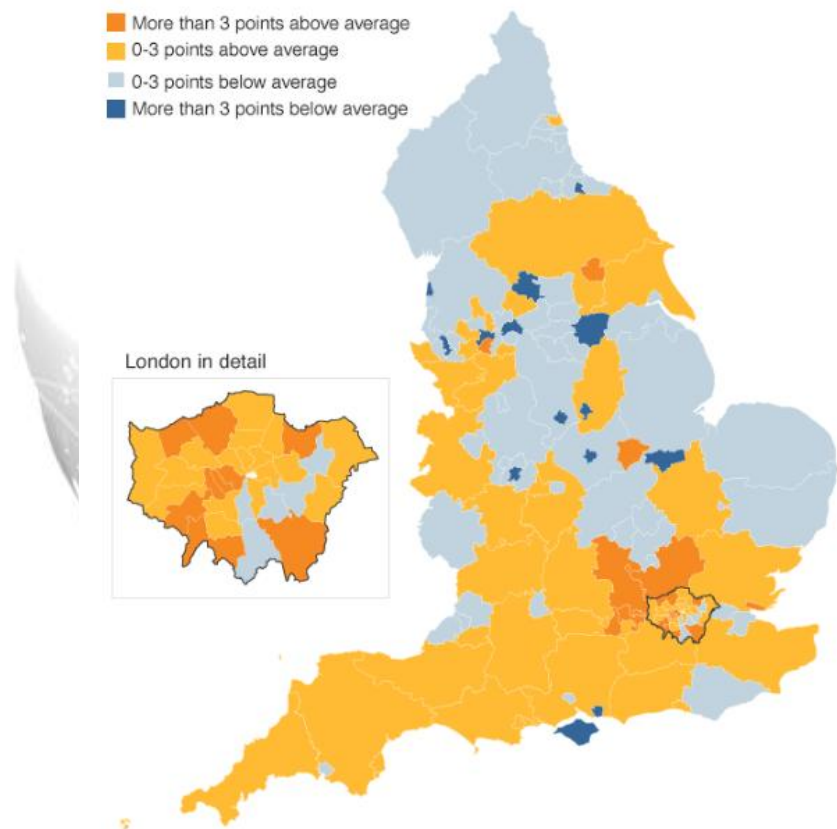
Boko Haram fatal attacks

Civilians reported killed in Boko Haram attacks Sep 2010 - Apr 2014



National average score (state schools): 49.9

- More than 3 points above average
- 0-3 points above average
- 0-3 points below average
- More than 3 points below average



Tools we use



Mapping

- QGIS (free and open source)
- D3 javascript library
- Google Maps API
- Landsat (NASA) satellite imagery

Other data tools

- Excel
- Scripting (R, Python)
- Qgis/Tableau
- AWS cloud

BBC VISUAL JOURNALISM

SOCIAL MEDIA



BBC News accounts

- Facebook - main BBC News
- Also: Health & Lifestyle, Family & Education, Politics, Entertainment news
- Instagram
- Focussed Twitter accounts – Breaking, UK, World, US & Canada, Business, Politics, Graphics etc

BAGHDAD

“One thought” visuals

Two million tonnes

of plastic bottles weigh the same as

10,000 blue whales

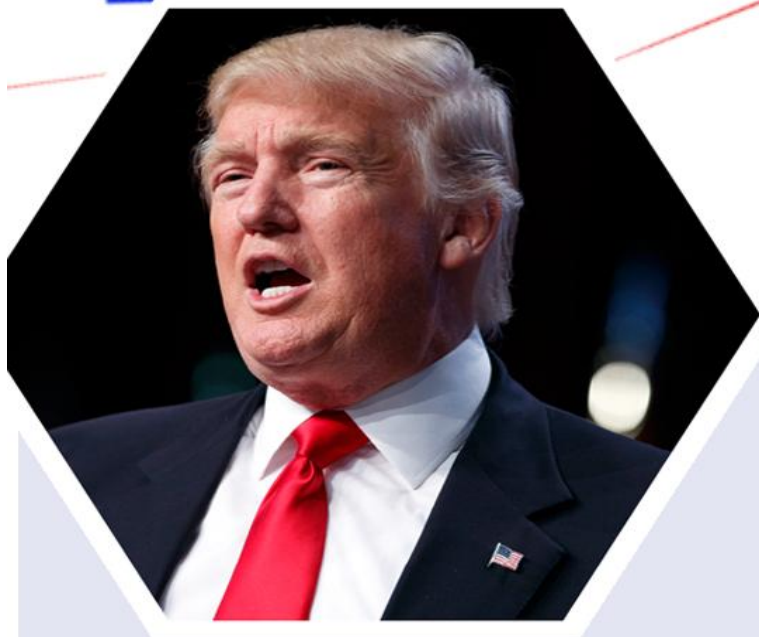
“One thought” visuals





BBC

US ELECTION 2016



DONALD TRUMP

**IS ELECTED
President of the
United States**

Less formal tone

f Search Facebook

BBC NEWS

7 ways

to share photos
of your child
more safely

BBC NEWS BBC Family & Education News

Personalisation

The screenshot shows the BBC News website interface. At the top, there is a navigation bar with the BBC logo, a 'Sign in' button, and a search bar. Below this is a red header with the word 'NEWS' and a 'Find local news' button. A secondary navigation bar lists various news categories: Home, UK, World, Business, Politics, Tech, Science, Health, Education, Entertainment & Arts, Video & Audio, and More. The main content area is titled 'Technology' and features an article titled 'Will a robot take your job?' dated 11 September 2015. The article includes a share button and a search box for job titles to determine automation risk. Below the search box, there is a row of icons representing different professions and robots. The interface is styled with a clean, modern look, using a color palette of red, white, and grey.

BBC Sign in

News Sport Weather iPlayer TV Radio More

Search

NEWS

Find local news

Home UK World Business Politics Tech Science Health Education Entertainment & Arts Video & Audio More

Technology

Will a robot take your job?

11 September 2015 | Technology

Share

Type your job title into the search box below to find out the likelihood that it could be automated within the next two decades.

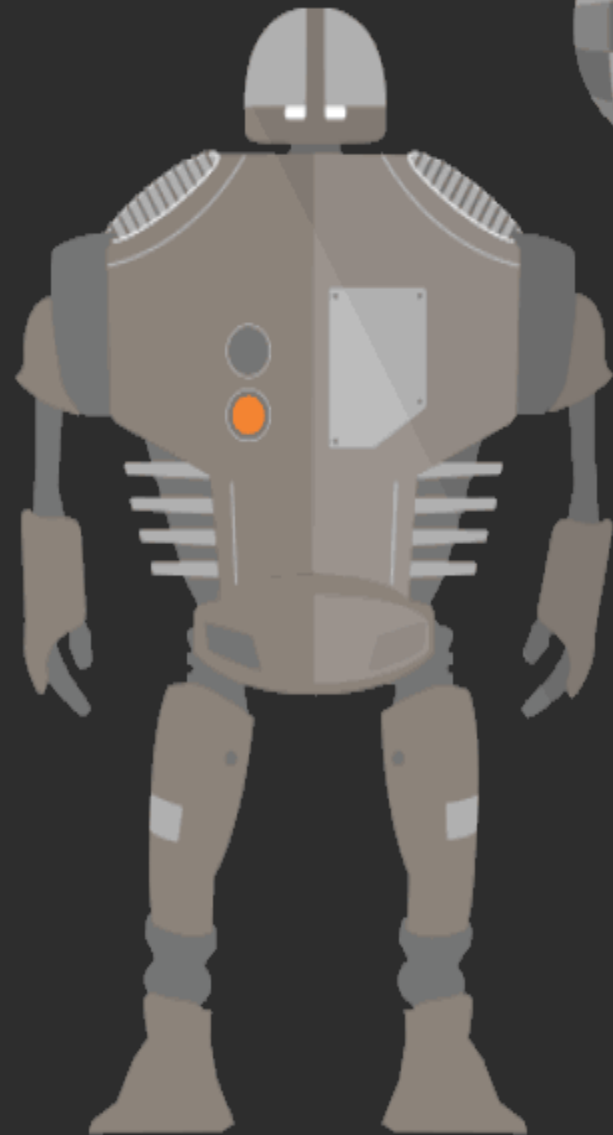
About 35% of current jobs in the UK are at high risk of computerisation over the following 20 years, according to a study by researchers at Oxford University and Deloitte.

I am a...

Can't find your job? [Browse the full list](#)

Find out my automation risk >

It is estimated that **dancers** have a **13% chance** of their job being automated in the next 20 years.



It is estimated that **cleaners** have a **57% chance** of their job being automated in the next 20 years.



Instagram stories



Instagram stories

**Swipe up
for more of
President Trump's
comments, phone
calls and Tweets
about foreign
countries
in his first 100 days**



BAGHDAD