

DATA VISUALISATION – WHEN IT GOES WRONG

Dr Alexandra Anderson



A step-change in
quantitative social
science skills
Funded by the
Nuffield Foundation,
ESRC and HEFCE

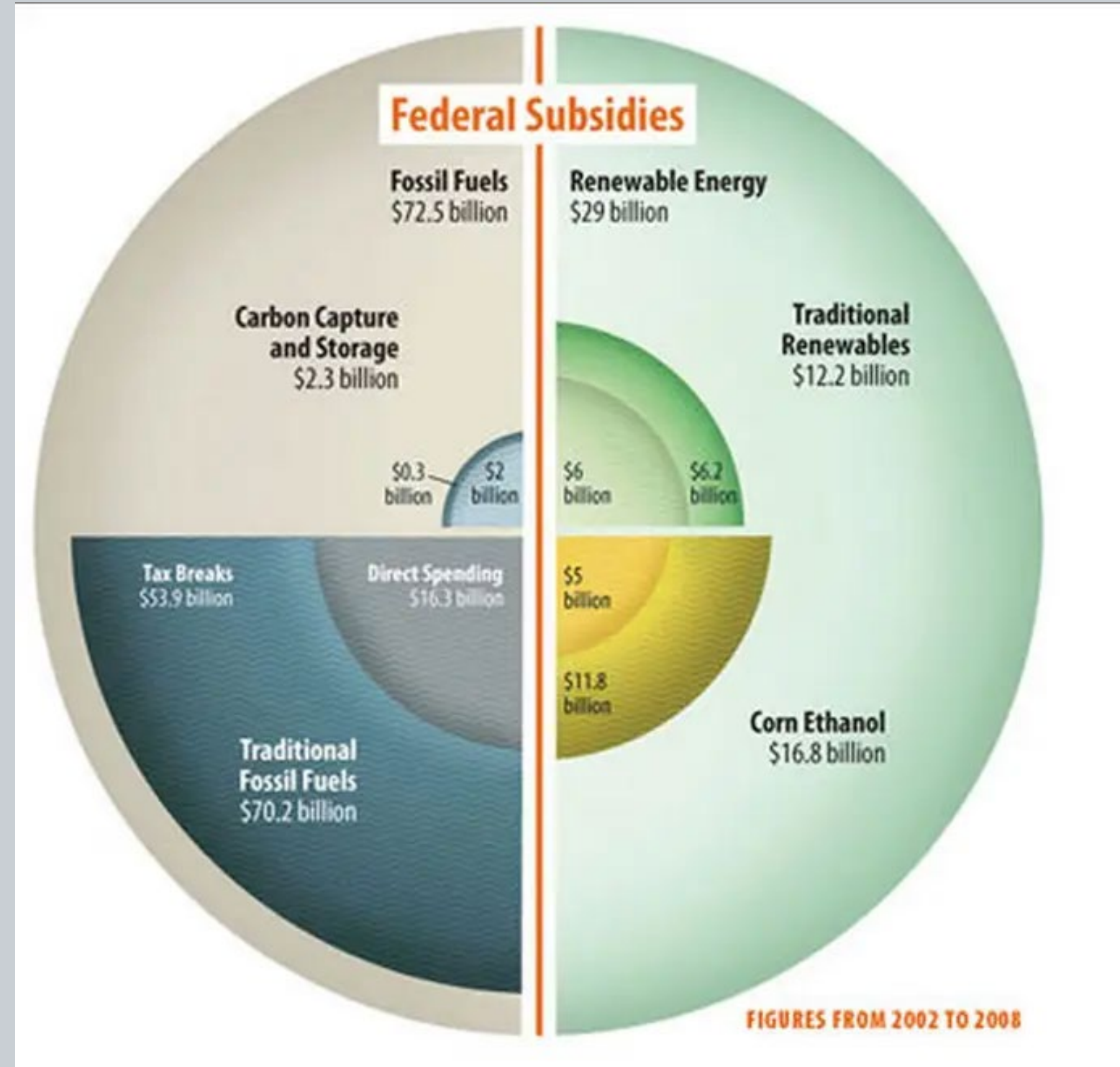


GRAPHS ARE ONLY AS GOOD
AS THE DATA THEY DISPLAY



A step-change in
quantitative social
science skills
Funded by the
Nuffield Foundation,
ESRC and HEFCE





Source: Junk Charts



Q-Step

A step-change in quantitative social science skills

Funded by the Nuffield Foundation, ESRC and HEFCE



WHERE YOUR FOOD COMES FROM

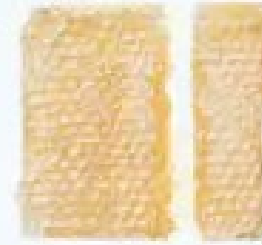
Imports of foods have doubled in a decade and now account for a fifth of what Americans eat.

A large percentage of these foods that Americans eat are imported.

FRUIT AND NUTS
51%



HONEY
61%



LAMB
52%



FRESH VEGETABLES/
MELONS
20%



SEAFOOD
88%



These countries are the largest exporters of each food.

FRUIT

MEXICO



26%
SUPPLIED

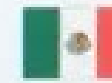
CHILE



13%

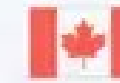
VEGETABLES

MEXICO



50%

CANADA



22%

SEAFOOD

CHINA



16%

VIETNAM



6.5%

Source:
USDA Economic
Research Service

CHART: KARDOLIM, STYLIST; LAURIE RAB

Source: Junk Charts



Q-Step

A step-change in
quantitative social
science skills

Funded by the
Nuffield Foundation,
ESRC and HEFCE





Source: Eager Eyes



Q-Step

A step-change in quantitative social science skills

Funded by the Nuffield Foundation, ESRC and HEFCE



Laws on file

If no colour appears, there is no such law on file

- 2012 election results
- Background check law
- Permit required to purchase
- Licence required to sell
- Records kept on file
- Firearms banned from workplace

Virginia

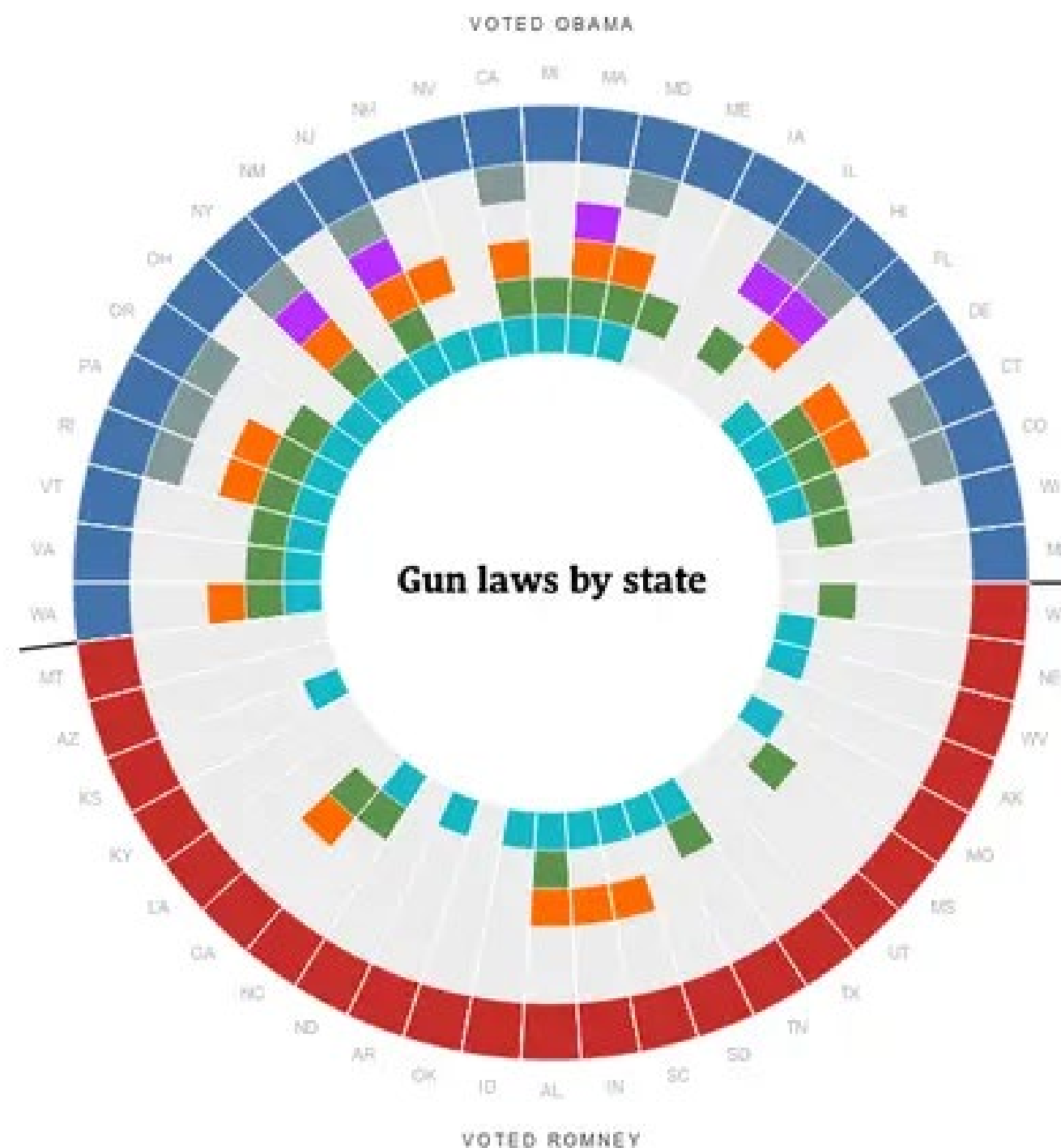
- Voted for Obama in the 2012 election
- **Background check:** not required for handguns
- **Permit:** not required to buy firearms
- **Licence:** not required for dealers
- **Records:** kept on file for handgun owners
- **Workplace:** firearms not allowed in parking lots

Overall gun control score: 12

Virginia has a **Brady Campaign score** of 12, which is lower than the national average of 16. The score comes from measuring these and other gun laws according to a weighted points system.

Murder rate: 2.58

There were 2.58 firearm murders per 100,000 people in Virginia during 2011, which is lower than the national average of 2.77. Overall, it is ranked #27 in murder rates out of 48 states with this data.



Source: The Globe and Mail



Q-Step

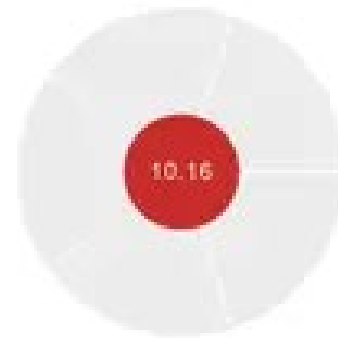
A step-change in quantitative social science skills

Funded by the Nuffield Foundation, ESRC and HEFCE

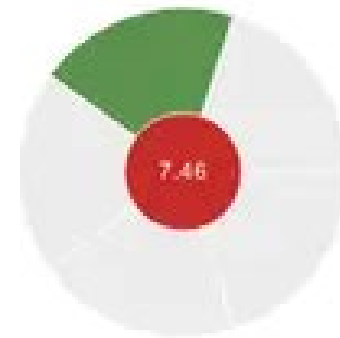


States with the highest firearm murder rate

Louisiana scored only two points on the Brady scale for banning guns from college campuses. It also has the highest firearm murder rate per 100,000 people in the country. Overall, Republican states have an average Brady score of 4.6, compared to 26.73 for states that voted for President Obama in the last election.



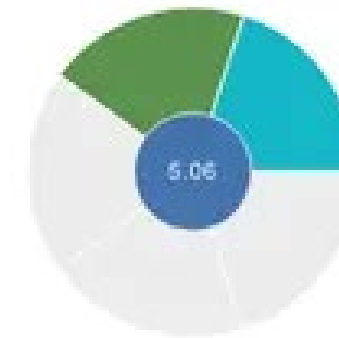
1. Louisiana



2. Mississippi



3. South Carolina



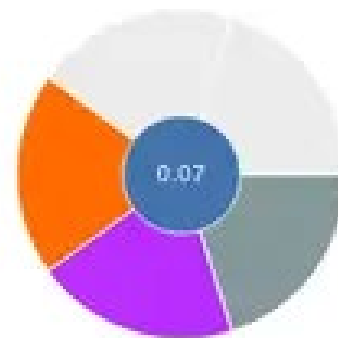
4. Michigan



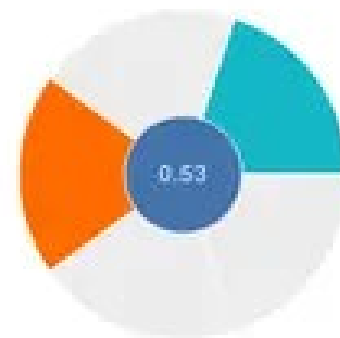
5. Maryland

States with the lowest firearm murder rate

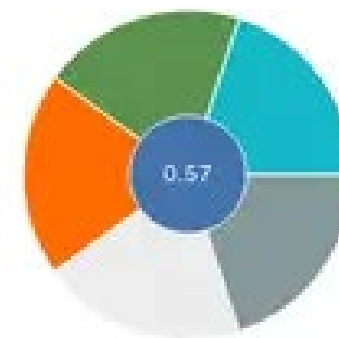
Hawaii has the lowest firearm murder rate in the United States with just 0.07 murders per 100,000 people. South Dakota is the only Republican state to rank on this list. Despite scoring only 7 points on the Brady score and enacting none of the laws highlighted on this chart, Iowa still has one of the lowest firearm murder rates in the country.



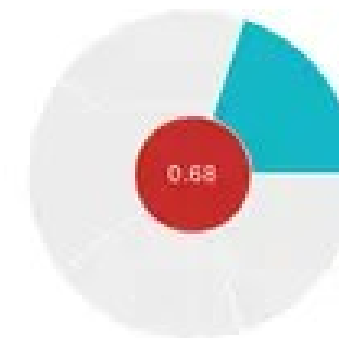
1. Hawaii



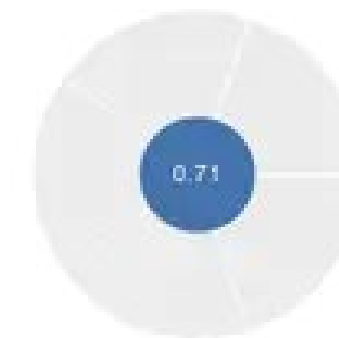
2. New Hampshire



3. Rhode Island



4. South Dakota



5. Iowa

Source: The Globe and Mail



Q-Step

A step-change in quantitative social science skills

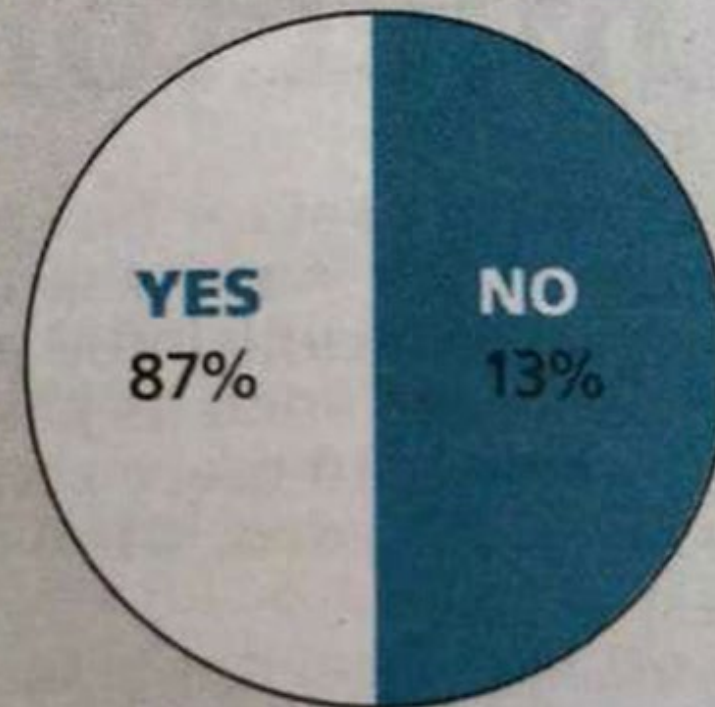
Funded by the Nuffield Foundation, ESRC and HEFCE



WEEKLY POLL

WE ASKED:

Would you pay more for your milk to help dairy farmers?



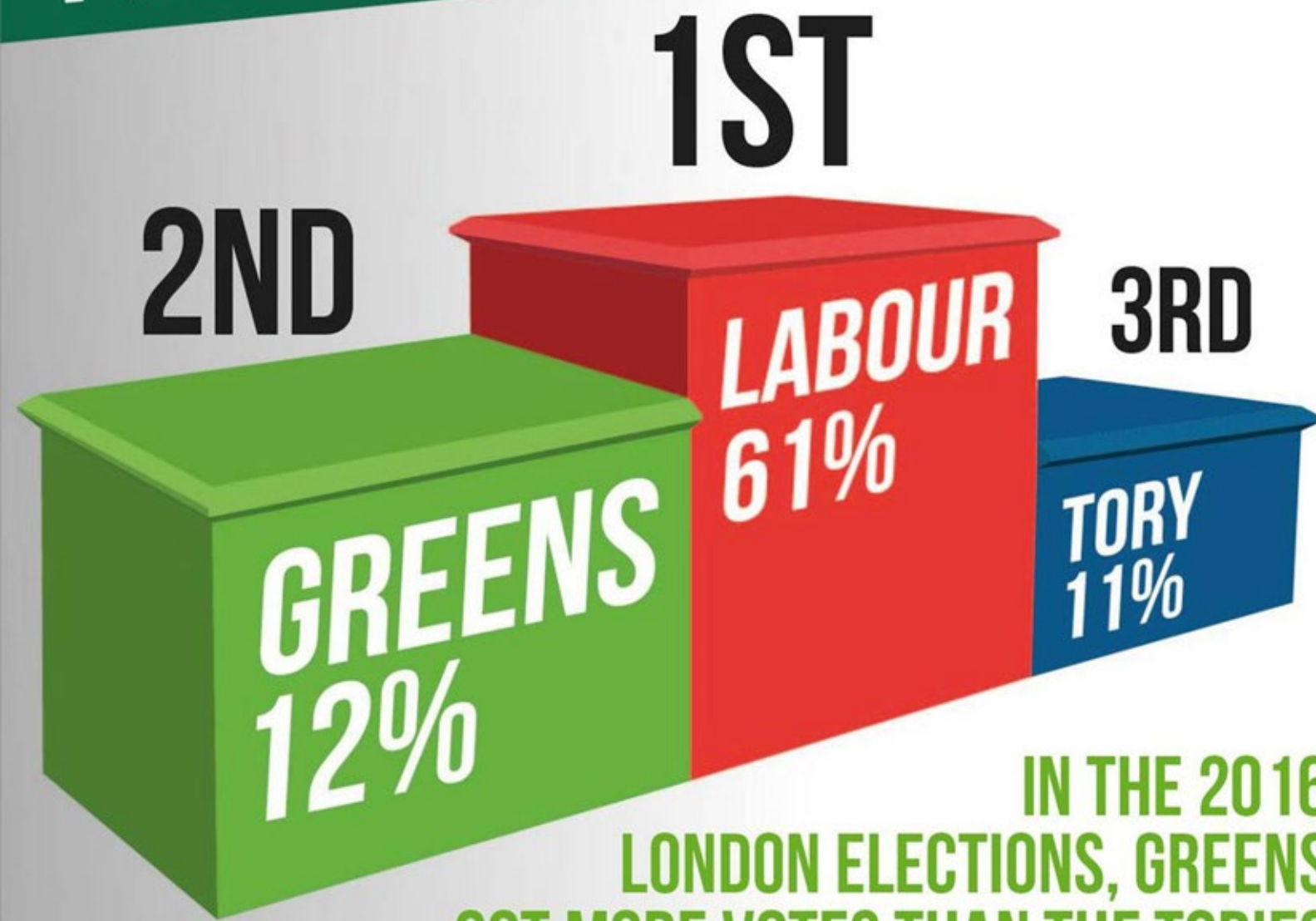
Q-Step

A step-change in
quantitative social
science skills

Funded by the
Nuffield Foundation,
ESRC and HEFCE



IN BETHNAL GREEN AND BOW
TORIES CAN'T WIN HERE



**IN THE 2016
LONDON ELECTIONS, GREENS
GOT MORE VOTES THAN THE TORIES
IN BETHNAL GREEN AND BOW**



Q-Step

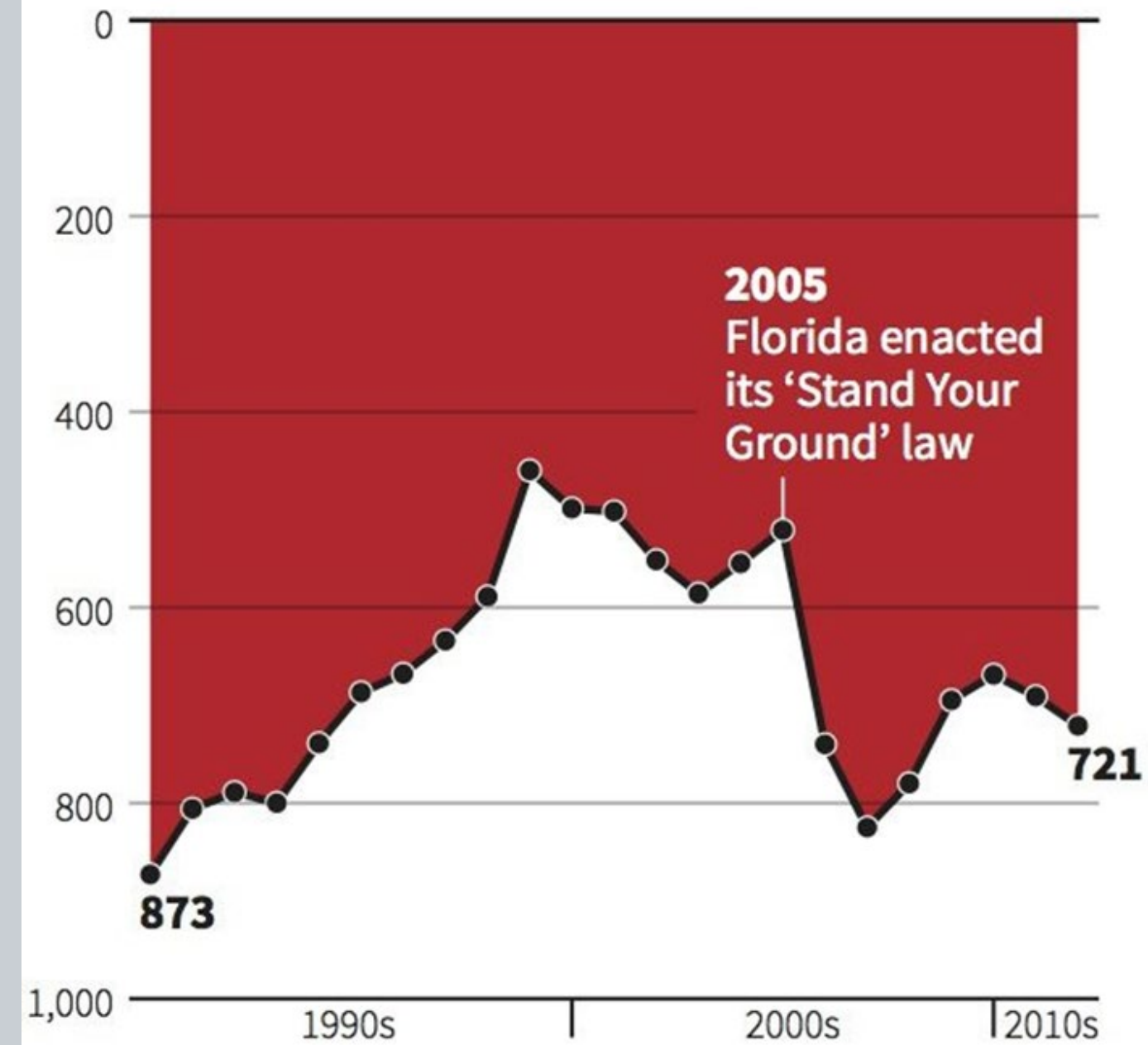
A step-change in
quantitative social
science skills

Funded by the
Nuffield Foundation,
ESRC and HEFCE



Gun deaths in Florida

Number of murders committed using firearms



Source: Florida Department of Law Enforcement

C. Chan 16/02/2014

REUTERS



Q-Step

A step-change in quantitative social science skills

Funded by the Nuffield Foundation, ESRC and HEFCE



DATA VISUALISATION – WHEN IT GOES WRONG

Dr Alexandra Anderson



A step-change in
quantitative social
science skills
Funded by the
Nuffield Foundation,
ESRC and HEFCE

