Taming Treacherous Data | DHSI 2019 | Day 1 PM | Deck 3
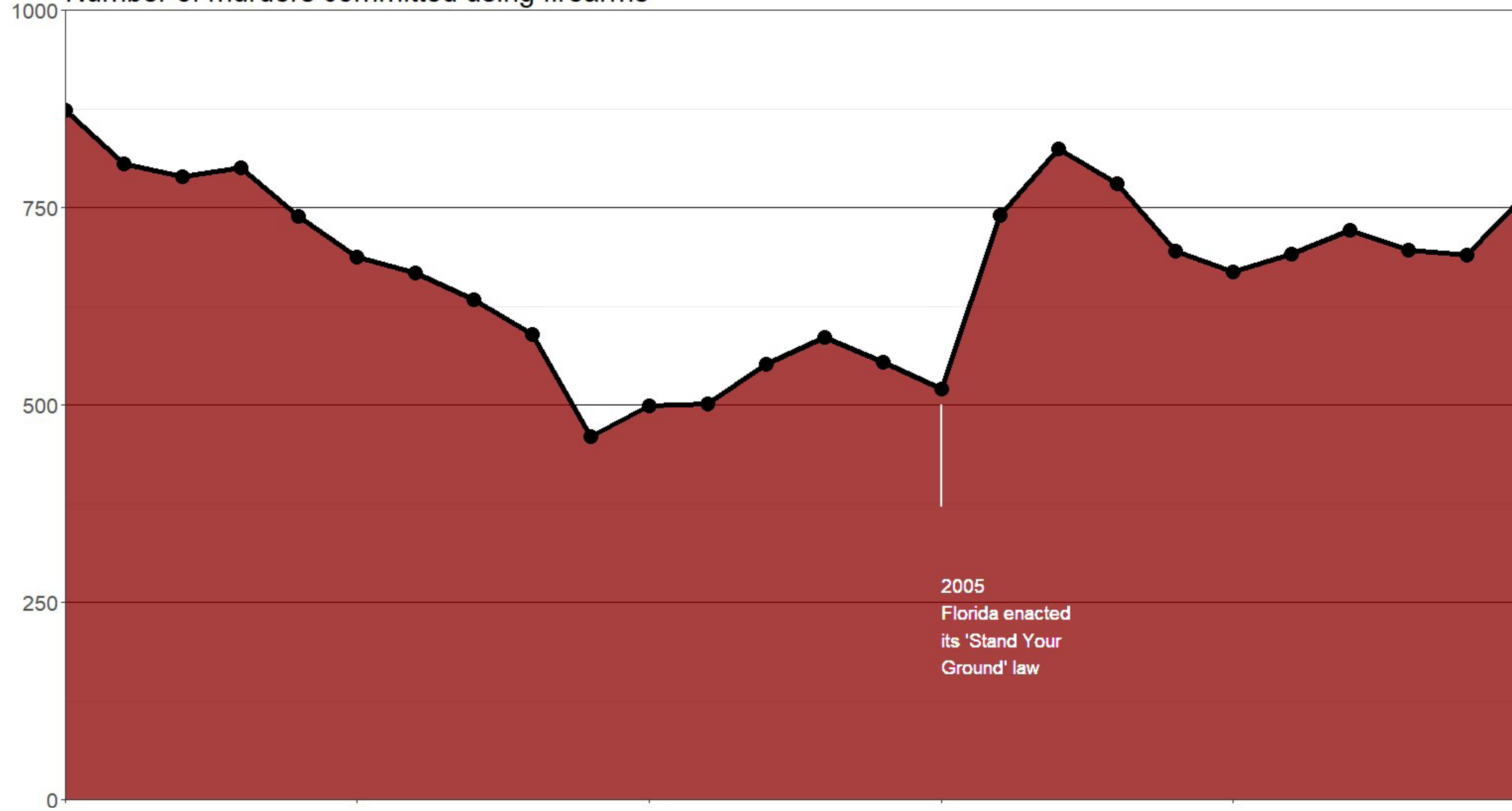
Activity:
Gun Deaths in Florida

Create a Line Chart

1. Open RStudio
2. Install ggplot package
3. Paste chart code
4. Change variables
5. Screenshot your final chart
6. Compare with class

Gun Deaths in Florida
Number of murders committed using firearms

2005
Florida enacted
its 'Stand Your
Ground' law

Gun deaths in Florida

Number of murders committed using firearms

2005
Florida enacted
its 'Stand Your
Ground' law

873

721

1990s   2000s   2010s

Source: Florida Department of Law Enforcement

Designer:
CH Chan
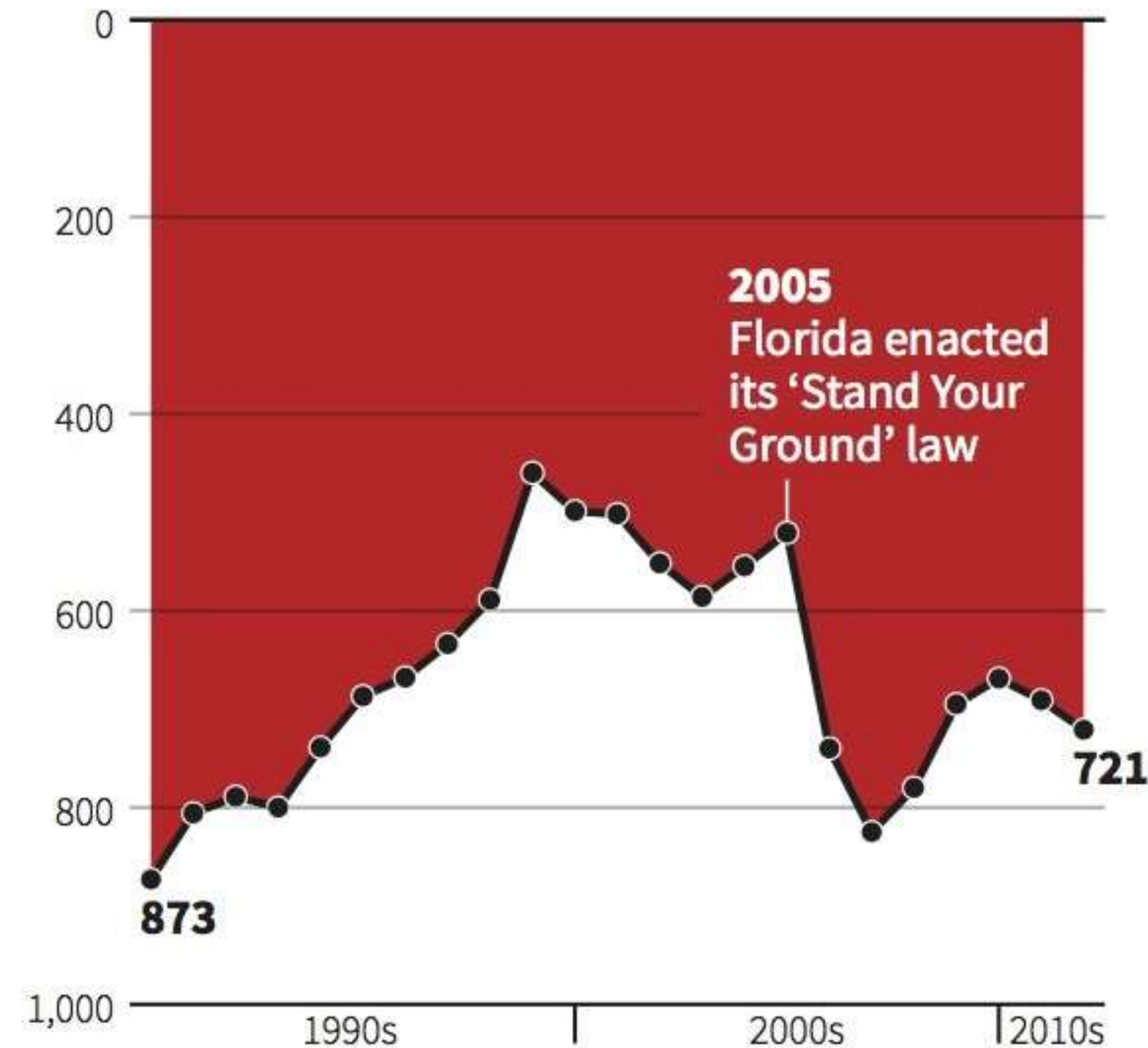
John Self @john_self · Apr 15

@ChristineHHChan Hi, just quick question about this chart from Feb 14: graphics.thomsonreuters.com/14/02/US-FLORI... Why invert the y-axis? Seems counterintuitive!

↩ Reply ♻ Retweet ★ Favorite ··· More

C^2 **Christine Chan**
@ChristineHHChan

⚙ **Following**

@john_self Thanks for the feedback. I prefer to show deaths in negative terms (inverted). It's a preference really, can be shown either way.

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RETWEETS
12

FAVORITES
6

3:30 AM - 15 Apr 2014

Gun deaths in Florida

Number of murders committed using firearms

873

800

600

2005
Florida enacted
its 'Stand Your
Ground' law

400

200

0

1990s   2000s   2010s

721

Designer:
PA Fedewa

Gun deaths in Florida

Number of murders committed using firearms

2005
Florida enacted
its 'Stand Your
Ground' law

873

721

1990s   2000s   2010s
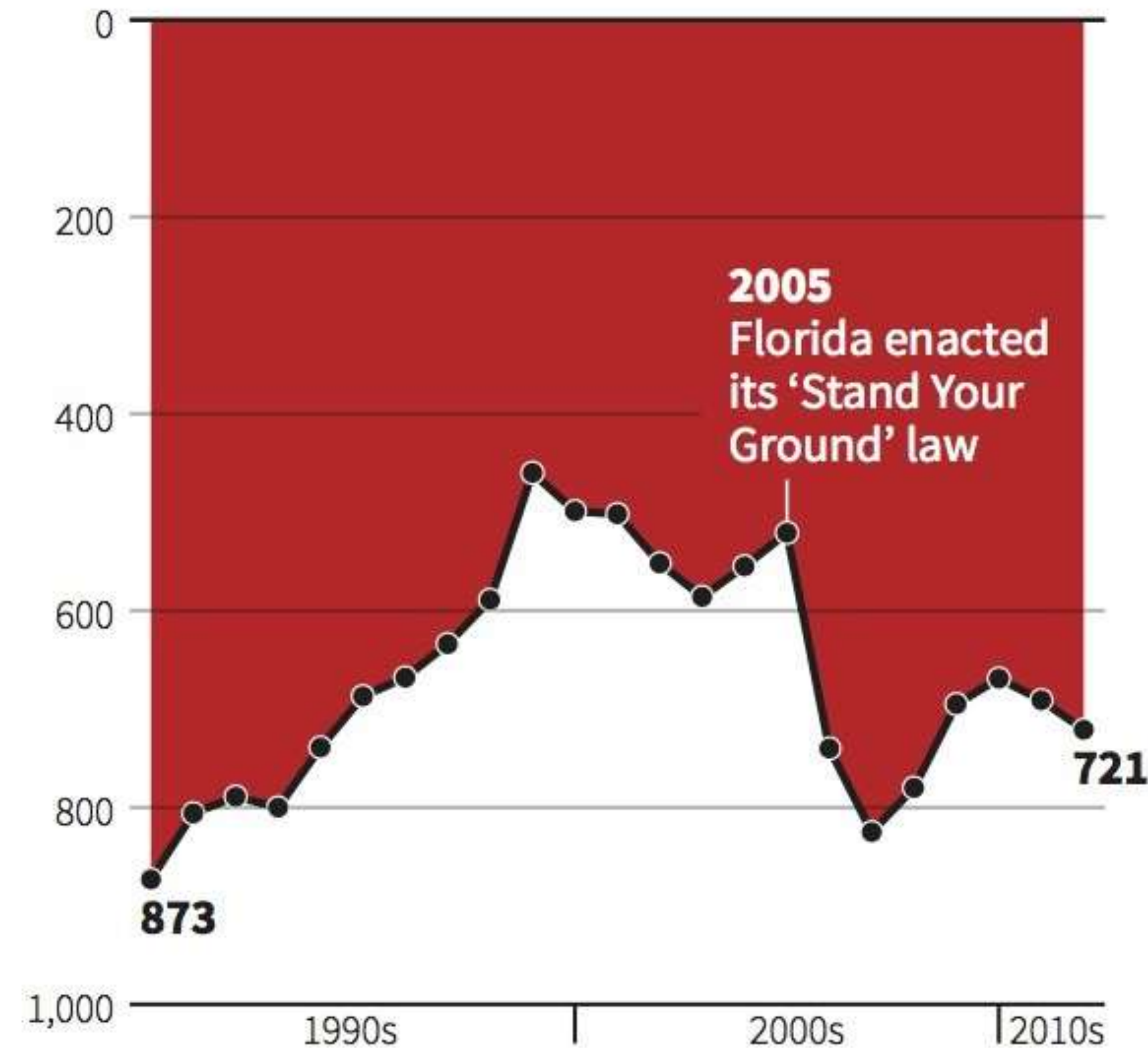
Source: Florida Department of Law Enforcement

C. Chan 16/02/2014

REUTERS

Designer:
CH Chan

Iraq's bloody toll

Monthly fatalities

2003 2004 2005 2006 2007 2008 2009 2010 2011

0

Coalition deaths
4,802

Civilian deaths
113,728

500

January, 2009
US forces come under Iraqi mandate. Control of Green Zone handed to Iraq

December
Saddam Hussein captured

May
US President George W. Bush declares an end to combat

Jun 2004
US hands sovereignty to interim Iraqi government

1,000

The United States officially marked the end of almost nine years of bloody military engagement in Iraq on Thursday. Over 4,800 coalition soldiers and tens of thousands of Iraqis lost their lives in a war that defined a decade.
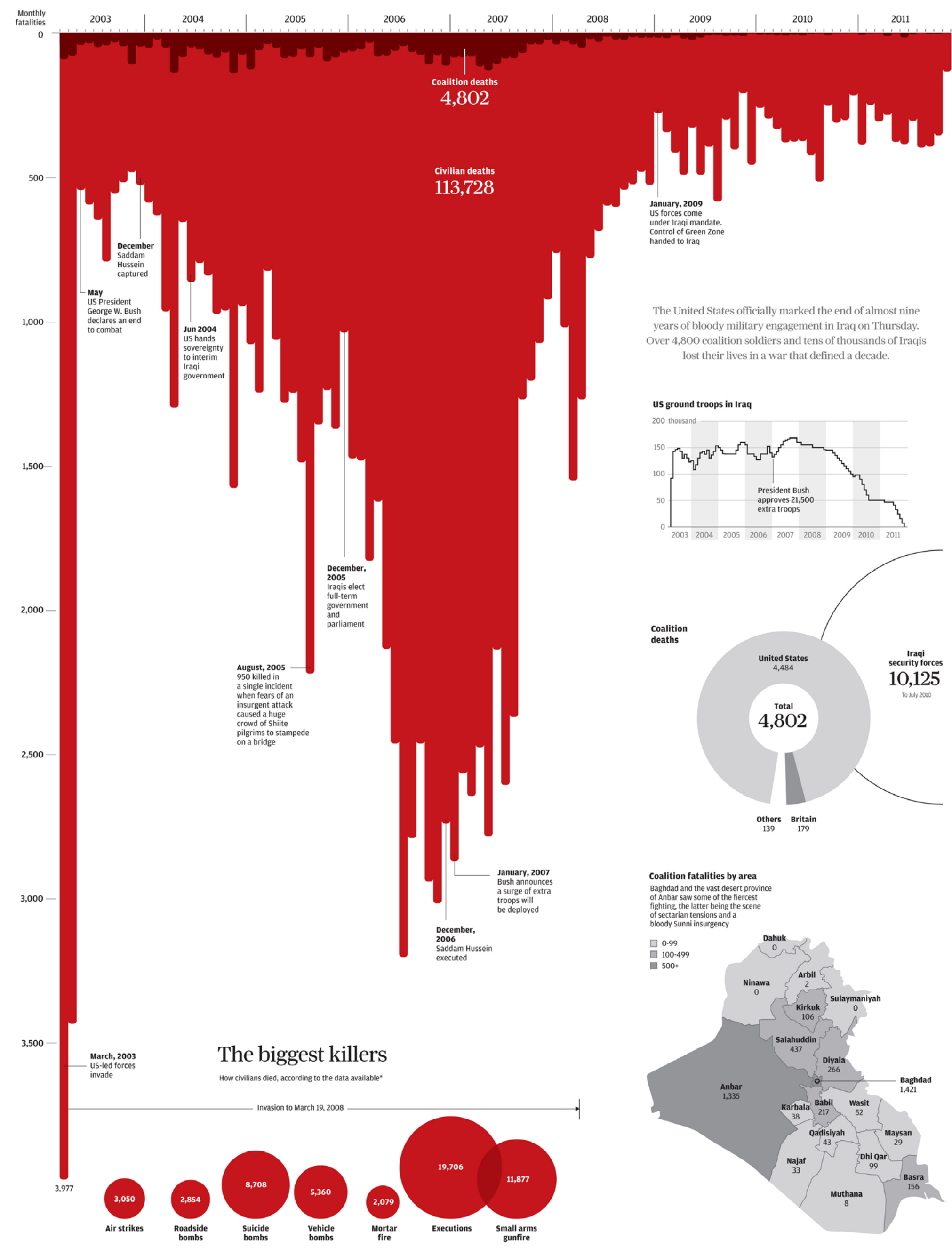
US ground troops in Iraq

200 thousand

150

100

President Bush approves 21,500 extra troops

50

0

2003 2004 2005 2006 2007 2008 2009 2010 2011

December, 2005
Iraqis elect full-term government and parliament

1,500

August, 2005
950 killed in a single incident when fears of an insurgent attack caused a huge crowd of Shiite pilgrims to stampede on a bridge

2,000

Coalition deaths

United States
4,484

Iraqi security forces
10,125
To July 2010

Total
4,802

Others
139

Britain
179

2,500

January, 2007
Bush announces a surge of extra troops will be deployed

December, 2006
Saddam Hussein executed

3,000

Coalition fatalities by area
Baghdad and the vast desert province of Anbar saw some of the fiercest fighting, the latter being the scene of sectarian tensions and a bloody Sunni insurgency

☐ 0-99
☐ 100-499
☐ 500+

3,500

March, 2003
US-led forces invade

The biggest killers

How civilians died, according to the data available*

Invasion to March 19, 2008

3,977

3,050	2,854	8,708	5,360	2,079	19,706	11,877
Air strikes	Roadside bombs	Suicide bombs	Vehicle bombs	Mortar fire	Executions	Small arms gunfire

Map labels:
Dahuk 0
Ninawa 0
Arbil 2
Kirkuk 106
Sulaymaniyah 0
Salahuddin 437
Diyala 266
Baghdad 1,421
Anbar 1,335
Karbala 38
Babil 217
Wasit 52
Qadisiyah 43
Maysan 29
Najaf 33
Dhi Qar 99
Basra 156
Muthana 8