

Some Explorations in Legal Data Science

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TIME [Beyond 9/11]

If the story of the United States has a theme so far in the 21st century, it is surely one of resilience. That was never so true as on September 11, 2001. TIME revisited the people who led us, moved us and inspired us, from the morning of the attacks through the tumultuous years that followed. These astonishing testimonies — from 40 men and women including George W. Bush, Tom Brokaw, General David Petraeus, Valerie Plame Wilson, Black Hawk helicopter pilot Tammy Duckworth, and the heroic first responders of Ground Zero — define what it means to meet adversity, and then overcome it.

PHOTOGRAPHS & VIDEO BY MARCO GROB FOR TIME



DOMESTIC SURVEILLANCE DIRECTORATE

Defending Our Nation. Securing The Citizens.

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- ABOUT US

Related Links

- USA PATRIOT Act of 2001
- There's a Secret PATRIOT Act, Senator Says
- Inside the FBI's Secret Terrorist Screening Center
- NCTC: The Biggest Spying Program You Probably Never Heard Of
- Nationwide SAR Initiative
- SAR Annual Report - 2012
- FBI Brochure about the eGuardian Online SAR Reporting System
- Fusion Center Guidelines
- National Fusion Center Association
- U.S. Senate Investigation of Fusion Centers
- Treasury Dept - Financial Suspicious Activity Reporting
- Bank Data is Sifted by US in Secret to Block Terror
- Inside DCSNet - The FBI's Nationwide Eavesdropping Network
- Newly Declassified Files Detail Massive FBI Data-Mining Project
- CIA Chief: We'll Spy on You Through Your Dishwasher
- Privacy Concerns Linger Over FBI's New Facial Recognition System
- FBI Data Warehouse System
- What the FBI Doesn't Want You To Know About Its "Secret" Surveillance Techniques



Our Partners

Domestic Surveillance is a team sport. Our success depends upon our partnership with other federal, state, and local agencies. The USA PATRIOT Act was passed in 2001 for the purpose of "Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism". This far-reaching law gave us a wide range of new tools to detect and prevent terrorism. Our partners transmit a steady flow of intelligence information 24-hours a day from across the nation. The incoming data is indexed, stored, and shared throughout the Intelligence Community on our [massive cloud computing network](#).

Suspicious Activity Reporting - Fusion Centers



Search the Database

SEARCH

I'm a New User

ADVANCED SEARCH

Browse by:

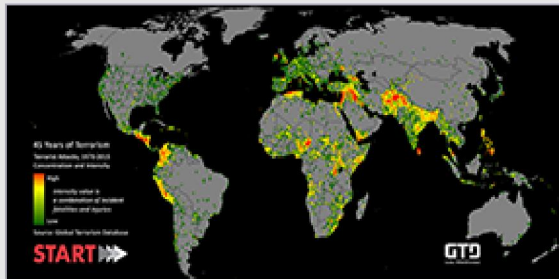


Go

Information on more than 150,000 Terrorist Attacks

The Global Terrorism Database (GTD) is an open-source database including information on terrorist events around the world from 1970 through 2015 (with annual updates planned for the future). Unlike many other event databases, the GTD includes systematic data on domestic as well as international terrorist incidents that have occurred during this time period and now includes more than 150,000 cases. [Learn more](#)

GTD DATA VISUALIZATIONS



Updated in 2016, the **GTD World Map: 45 Years of Terrorism** displays the concentration and intensity (combining fatalities and injuries) of terrorist attacks that occurred worldwide across 45 years of data.

[The GTD 2015 World Map is available here..](#)

[The GTD 2014 World Map is available here..](#)

[The GTD 2013 World Map is available here.](#)

THIS DATE IN TERRORISM

September 22

2014 Sanaa, Yemen

09/22/2014: Assaultants stormed the Suhail TV headquarters in Sanaa city, Amanat Al Asimah governorate, Yemen. Several employees were abducted in the attack. The outcome of the abduction is unknown. No group claimed responsibility for the incident; however, sources attributed the attack to Huthis.

[Learn more](#)

2014 Dur Baba district, Afghanistan

09/22/2014: Assaultants opened fire on an Afghan Local Police (ALP) checkpost in Dur Baba district, Nangarhar province, Afghanistan. Three police officers were killed and three others were wounded in the attack. The Taliban claimed responsibility for the incident.

FEATURED

Additional START Datasets Now Available

Utilizing the Dataverse Network Project, START has created its own repository of datasets and databases on terrorism, conflict, and preparedness. This collection includes research funded by START as well as research for which START has been given permission to release. Users can read over detailed information about each dataset regarding its time period, geographic coverage, and sampling procedure.

[Read more](#)

[1](#) [2](#) [3](#) [4](#)

*GTDtotal.sav [DataSet1] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

	iyear	imonth	iday	approxdate	extended	resolution	country	country_txt
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3	1970	1	0	.	0		160	
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5	1970	1	0	.	0		101	
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7	1970	1	2	.	0		218	
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9	1970	1	2	.	0		217	
10	1970	1	3	.	0		217	
11	1970	1	1	.	0		217	
12	1970	1	6	.	0		217	
13	1970	1	8	.	0		98	
14	1970	1	9	.	0		217	
15	1970	1	9	.	0		163	
16	1970	1	10	.	0		499	
17	1970	1	11	.	0		65	
18	1970	1	12	.	0		217	
19	1970	1	12	.	0		163	
20	1970	1	13	.	0		217	1 North America
21	1970	1	14	.	0		217	1 North America
22	1970	1	15	.	0		218	3 South America
23	1970	1	19	.	0		217	1 North America
24	1970	1	19	.	0		217	1 North America
25	1970	1	19	.	0		217	1 North America
26	1970	1	20	.	0		83	2 Central America & Caribbean
27	1970	1	21	.	0		160	5 Southeast Asia
28	1970	1	22	.	0		222	3 South America
29	1970	1	22	.	0		217	1 North America

128 Data Fields

Fields Divided into 15 Categories:

- I. Identification Numbers
- II. Incident Date
- III. Incident Location
- IV. Incident Information
- V. Attack Information
- VI. Target Information
- VII. Perpetrator Information
- VIII. Perpetrator Statistics
- IX. Perpetrator Claim of Responsibility
- X. Weapon Information
- XI. Casualty Information
- XII. Consequences
- XIII. Hostage/Kidnapping Information
- XIV. Additional Information
- XV. Source Information

IBM SPSS Statistics Processor is ready | Cases: 101.200 | Unicode:ON

*suicideGTDtop20countries.sav [DataSet2] - IBM SPSS Statistics Data Editor

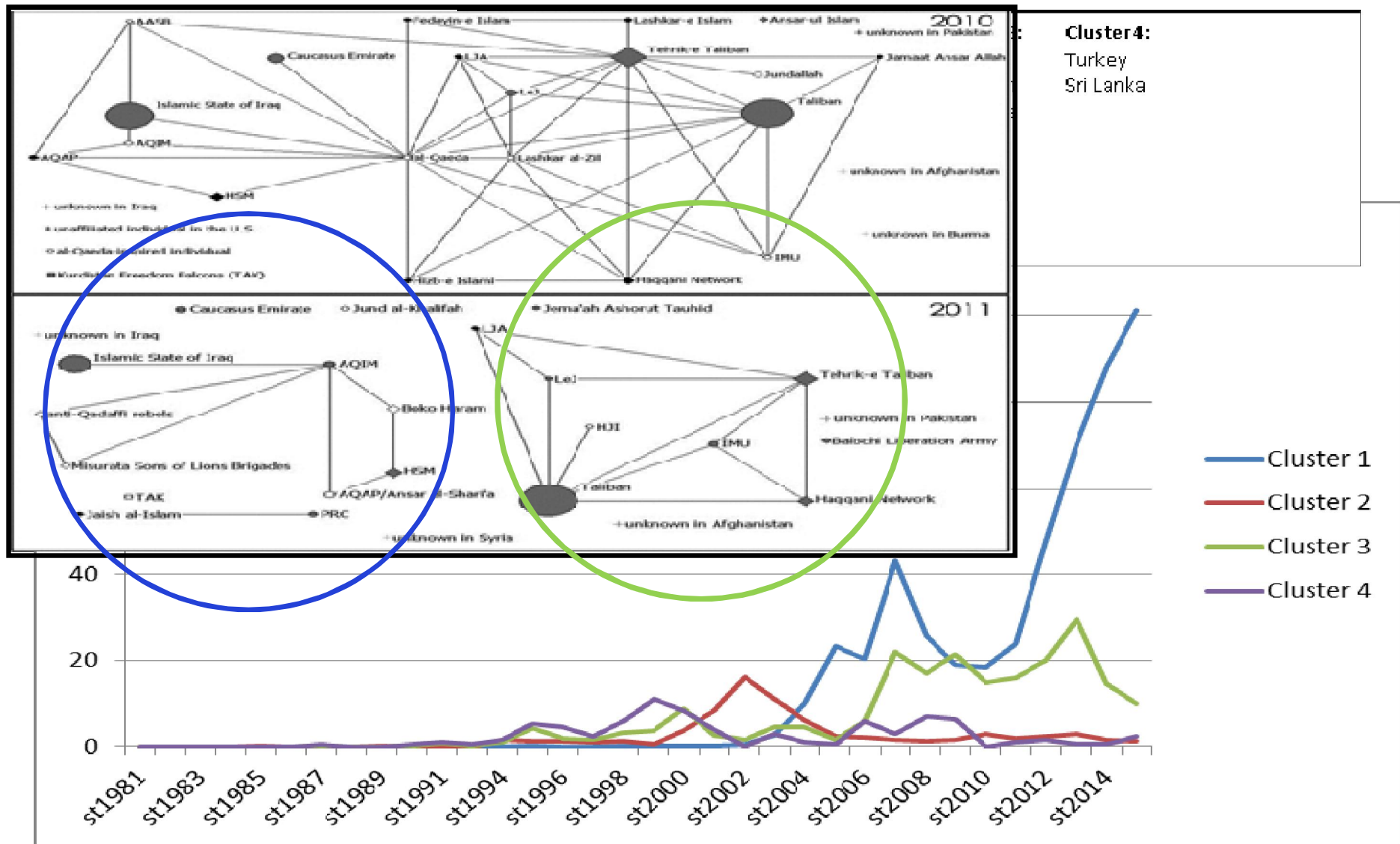
File Edit View Data Transform Analyze Direct Marketing Graphs Utilities Add-ons Window Help

1: CASE_LBL st1981

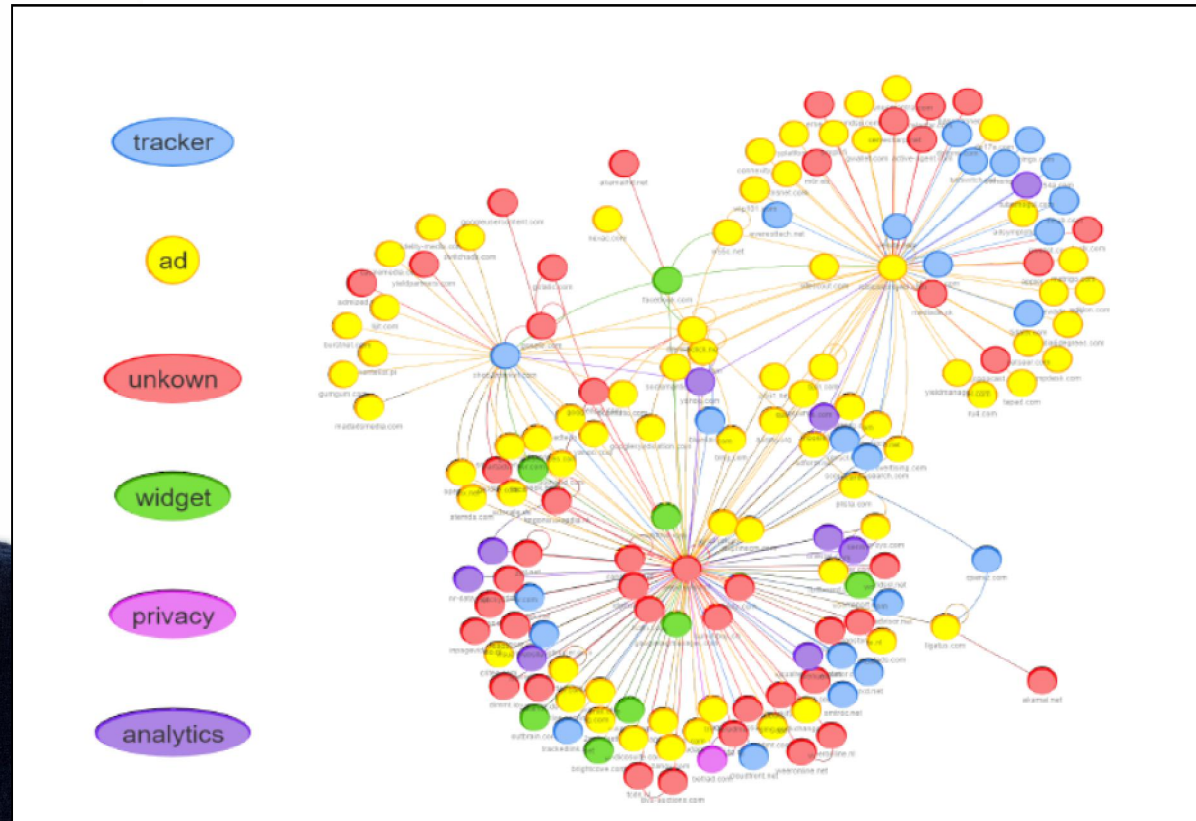
	CASE_LBL	Iraq	Pakistan	Afghanistan	Turkey	Sri_Lanka	Somalia	
1	st1981	,00	,00	,00	,00	,00	,00	
2	st1982	,00	,00	,00	,00	,00	,00	
3	st1983	,00	,00	,00	,00	,00	,00	
4	st1984	,00	,00	,00	,00	,00	,00	
5	st1985	,00	,00	,00	,00	,00	,00	
6	st1986	,00	,00	,00	,00	,00	,00	
7	st1987	,00	,00	,00	,00	1,00	,00	
8	st1988	,00	,00	,00	,00	,00	,00	
9	st1989	,00	,00	,00	,00	,00	,00	
10	st1990	,00	,00	,00	,00	1,00	,00	
11	st1991	,00	,00	,00	,00	2,00	,00	
12	st1992	,00	,00	,00	,00	1,00	,00	
13	st1994	,00	,00	,00	,00	3,00	,00	
14	st1995	,00	2,00	,00	,00	11,00	,00	
15	st1996	,00	,00	,00	3,00	6,00	,00	
16	st1997	,00	,00	,00	,00	5,00	,00	
17	st1998	,00	1,00	,00	3,00	9,00	,00	
18	st1999	1,00	,00	,00	11,00	11,00	,00	
19	st2000	,00	,00	,00	1,00	16,00	,00	
20	st2001	,00	,00	1,00	2,00	6,00	,00	
21	st2002	,00	2,00	2,00	,00	,00	,00	
22	st2003	17,00	3,00	1,00	5,00	1,00	,00	
23	st2004	73,00	5,00	3,00	1,00	1,00	,00	
24	st2005	168,00	5,00	13,00	1,00	,00	,00	
25	st2006	101,00	7,00	52,00	3,00	9,00	2,00	
26	st2007	209,00	58,00	75,00	,00	6,00	3,00	
27	st2008	107,00	37,00	56,00	1,00	13,00	3,00	
28	st2009	55,00	47,00	45,00	1,00	12,00	2,00	
29	st2010	50,00	34,00	52,00	,00	,00	4,00	
30	st2011	47,00	42,00	80,00	2,00	,00	8,00	

Data View Variable View

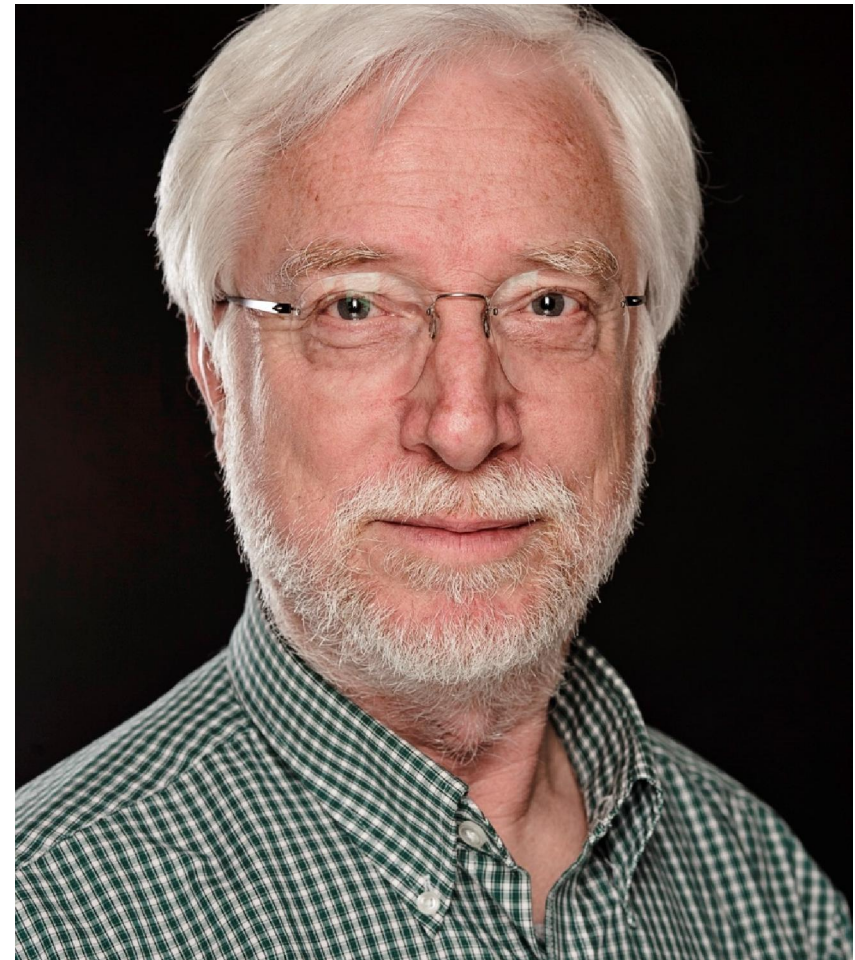
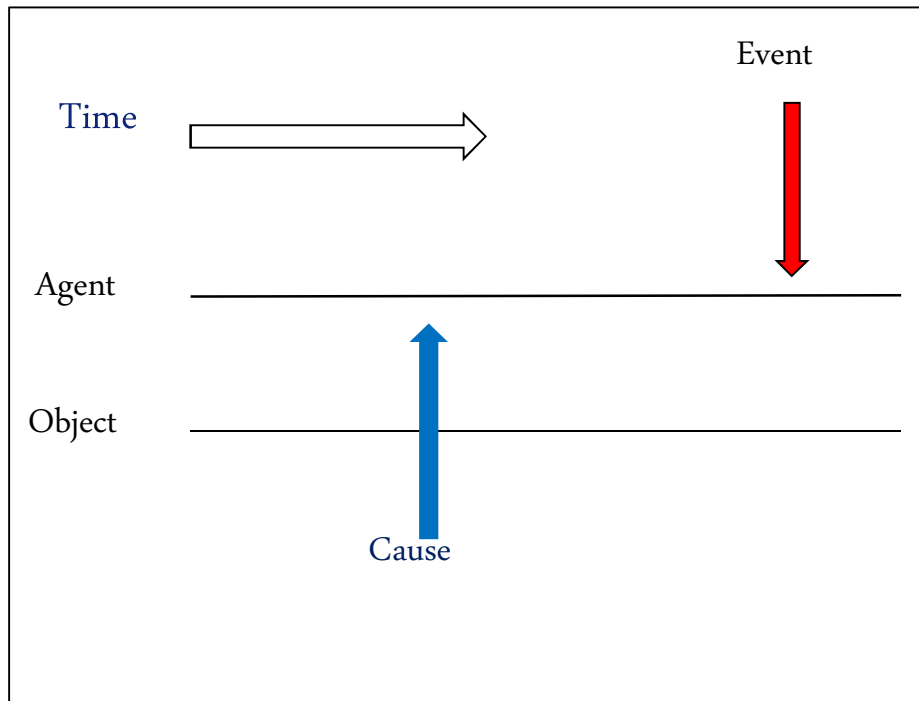
Four Waves of Suicide Terrorism



Cookies and Internet Privacy



Reconstructing Safety Accidents: Tripod Delta

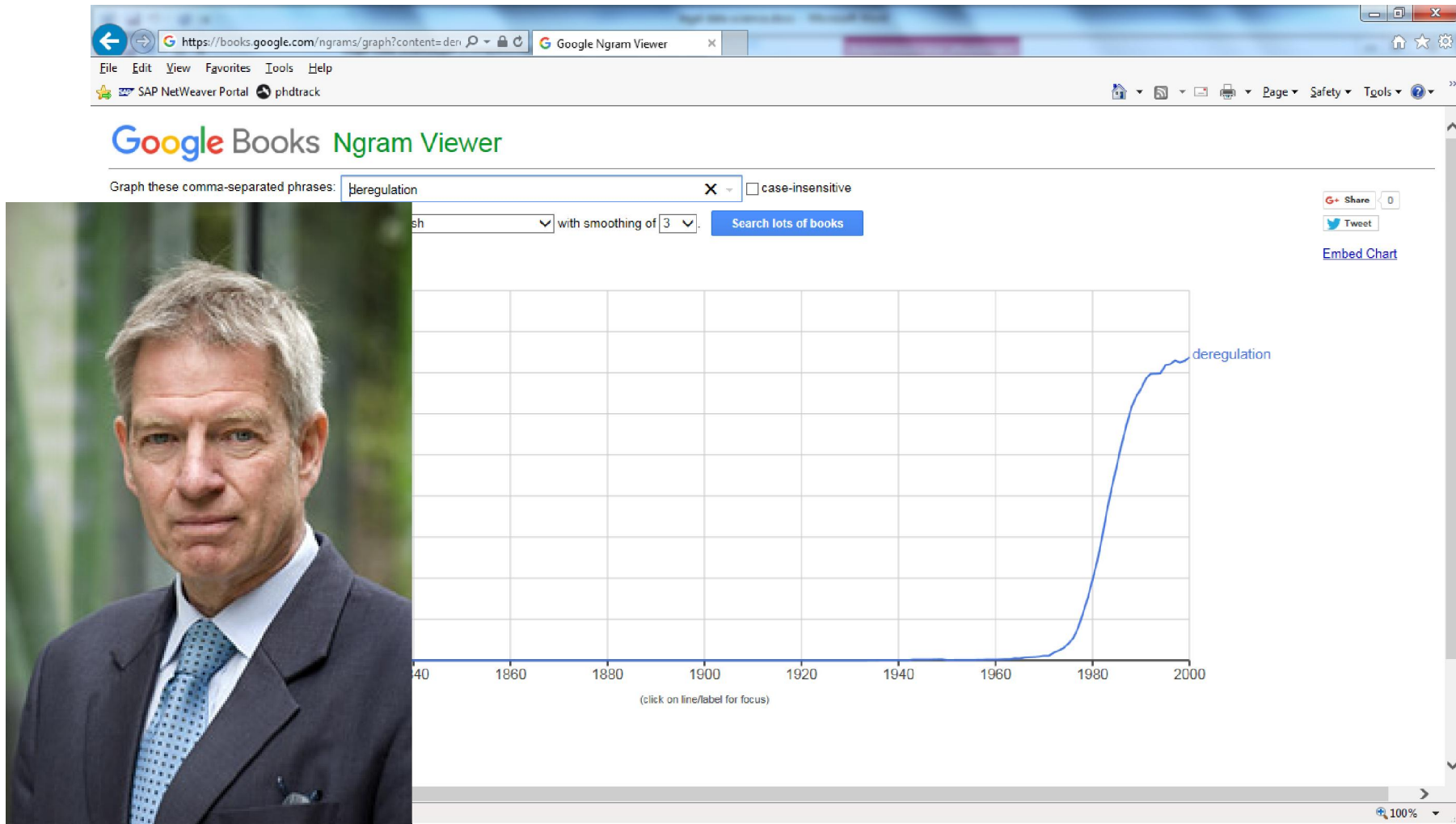


Turnaround, Rescue, & Insolvency



- Timeline reconstructions of business failure
- Multiple sources of information (not just financial information)

History of Deregulation



Cognitive and Experiential Perceptions of the Law

Rotated Component Matrix^a

	Component		
	1	2	3
Stupid Rules	,949		
I Hate Rules	,915		
Too Many Rules	,805	,496	
Stupid Law	,788		
Intrusive Rules	,783		
Procedural Justice	,772		
Intrusive Regulations	,741	,427	
Intrusive Laws	,716		,445
Regulator Reforms	,702	,557	
Overregulation		,919	
Administrative Burdens		,917	
Regulatory Cost		,868	
Regulatory Costs		,859	
Distributive Justice		,844	
Administrative Burden	,531	,742	
Deregulation		,686	,615
Regulatory Burden	,587	,603	
Intrusive Regulation	,576	,578	,546
Rules Are Stupid	,427		,826
Regulatory Relief		,633	,688
Deregulations	,588	,492	,594

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

a. Rotation converged in 6 iterations.

Implications

- Entrance of formal arguments in legal analysis
- Multidisciplinarity
- Complexity

Challenges

- (In)admissibility of data for legal consideration
- Error management
- Who's to judge?