

US Diplomatic Representation in Foreign Countries

By Jeffrey Yu





Overview

Data set: The Correlates of War Diplomatic Exchange Data Set

Built using HTML/CSS/JS and the D3.js library

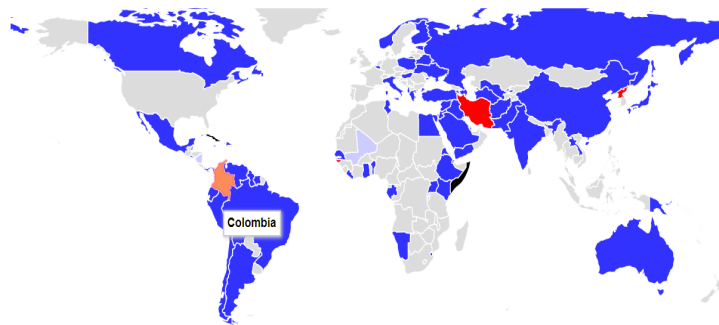
4 levels of diplomatic representation:

- 0 = no evidence of diplomatic exchange
- 1 = chargé d'affaires
- 2 = minister
- 3 = ambassador
- 9 = other

Data Visualization

US Diplomatic Representation in Foreign Countries

2005



0: 1: 2: 3: 9:

Raw Data

	A	B	C	D	E	F	G
1	cocode1	cocode2	year	DR_at_1	DR_at_2	DE	version
2	2	20	1920	0	0	0	2006.1
3	2	20	1925	0	0	0	2006.1
4	2	20	1930	0	2	1	2006.1
5	2	20	1935	2	2	1	2006.1
6	2	20	1940	2	2	1	2006.1
7	2	20	1950	9	9	1	2006.1
8	2	20	1955	9	9	1	2006.1
9	2	20	1960	9	9	1	2006.1
10	2	20	1965	9	9	1	2006.1
11	2	20	1970	3	3	1	2006.1
12	2	20	1975	3	3	1	2006.1
13	2	20	1980	3	3	1	2006.1
14	2	20	1985	3	3	1	2006.1
15	2	20	1990	3	3	1	2006.1
16	2	20	1995	3	3	1	2006.1
17	2	20	2000	3	3	1	2006.1
18	2	20	2005	3	3	1	2006.1
19	2	31	1975	3	3	1	2006.1
20	2	31	1980	3	3	1	2006.1
21	2	31	1985	1	3	1	2006.1
22	2	31	1990	3	3	1	2006.1

Ready

Difficult to understand data for both humans and computers

Need to format data so visualization program can properly interpret

Scrubbed Data

A1																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	ccode1	S1	ccode2	S2	year	DR_at_1	DR_at_2	DE	version			CCode	StateAbb	StateNme					
2		2 USA		20 CAN	1920	0	0	0	2006.1				2 USA	United States of America					
3		2 USA		20 CAN	1925	0	0	0	2006.1				20 CAN	Canada					
4		2 USA		20 CAN	1930	0	2	1	2006.1				31 BHM	Bahamas					
5		2 USA		20 CAN	1935	2	2	1	2006.1				40 CUB	Cuba					
6		2 USA		20 CAN	1940	2	2	1	2006.1				40 CUB	Cuba					
7		2 USA		20 CAN	1950	9	9	1	2006.1				41 HAI	Haiti					
8		2 USA		20 CAN	1955	9	9	1	2006.1				41 HAI	Haiti					
9		2 USA		20 CAN	1960	9	9	1	2006.1				42 DOM	Dominican Republic					
10		2 USA		20 CAN	1965	9	9	1	2006.1				42 DOM	Dominican Republic					
11		2 USA		20 CAN	1970	3	3	1	2006.1				51 JAM	Jamaica					
12		2 USA		20 CAN	1975	3	3	1	2006.1				52 TRI	Trinidad and Tobago					
13		2 USA		20 CAN	1980	3	3	1	2006.1				53 BAR	Barbados					
14		2 USA		20 CAN	1985	3	3	1	2006.1				54 DMA	Dominica					
15		2 USA		20 CAN	1990	3	3	1	2006.1				55 GRN	Grenada					
16		2 USA		20 CAN	1995	3	3	1	2006.1				56 SLU	St. Lucia					
17		2 USA		20 CAN	2000	3	3	1	2006.1				57 SVG	St. Vincent and the Grenadines					
18		2 USA		20 CAN	2005	3	3	1	2006.1				58 AAB	Antigua & Barbuda					
19		2 USA		31 BHM	1975	3	3	1	2006.1				60 SKN	St. Kitts and Nevis					
20		2 USA		31 BHM	1980	3	3	1	2006.1				70 MEX	Mexico					
21		2 USA		31 BHM	1985	1	3	1	2006.1				80 BLZ	Belize					
22		2 USA		31 BHM	1990	3	3	1	2006.1				90 GUA	Guatemala					
Diplomatic Exchange 2006v1 (ver																			



Overview

US Diplomatic Representation in Foreign Countries

[1817](#)

[1940](#)

[2005](#)

US Diplomatic Representation in Foreign Countries

1817



0: 1: 2: 3: 9:

US Diplomatic Representation in Foreign Countries

1940



0: 1: 2: 3: 9:

US Diplomatic Representation in Foreign Countries

2005



0: 1: 2: 3: 9:

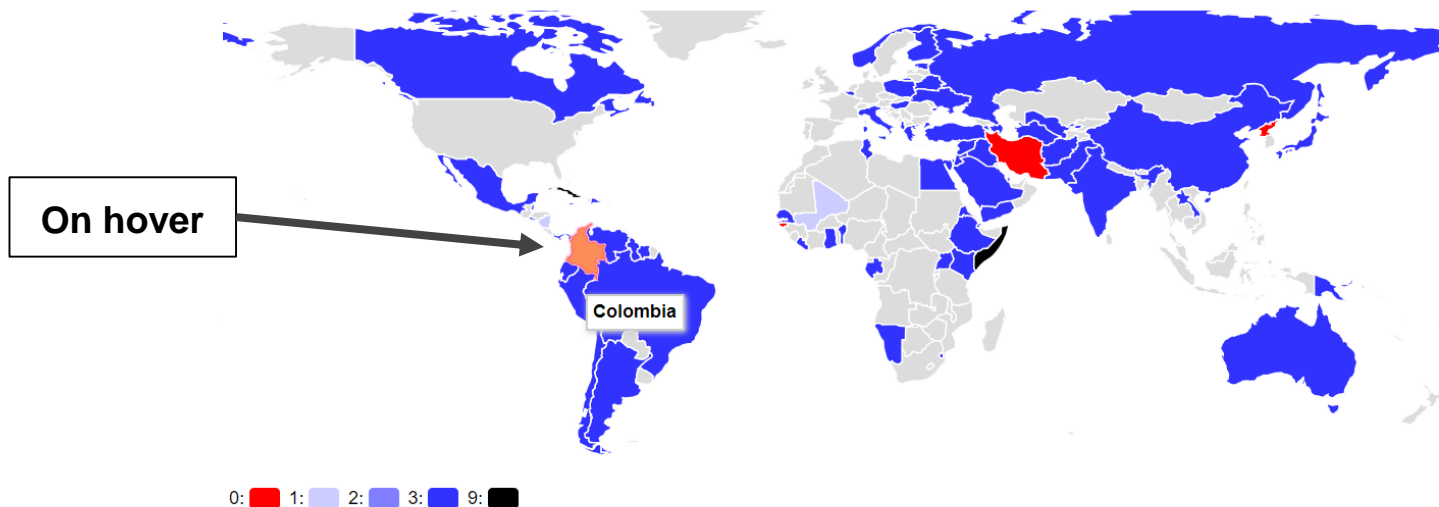


2005 Map

Data Visualization

US Diplomatic Representation in Foreign Countries

2005





Conclusions and Future Plans

Has created a platform for easy interpretation of data and visualization -
easy to add more data

Has shown US diplomatic ties between countries have generally increased

Future:

- Better aesthetics

- Timeline scroll bar

- Select which country's diplomats are represented