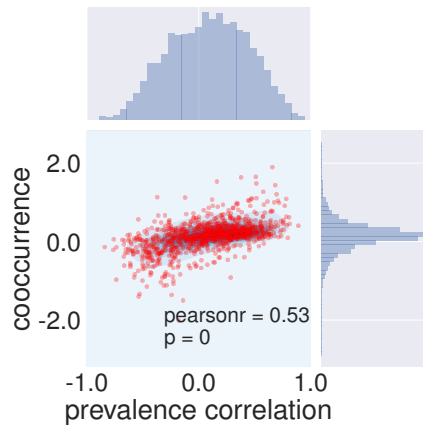


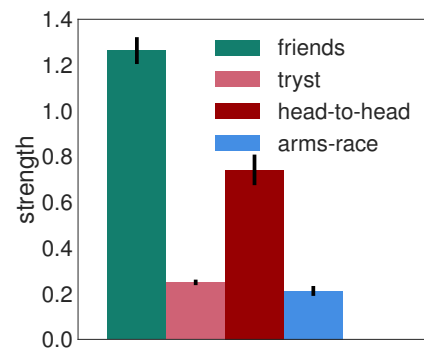
# Idea relations

March 22, 2017

## 1 Overall distributions



(a) Joint distribution between PMI and prevalence correlation.



(b) Strength of the top 25 pairs in each category.

## 2 Top relation plots

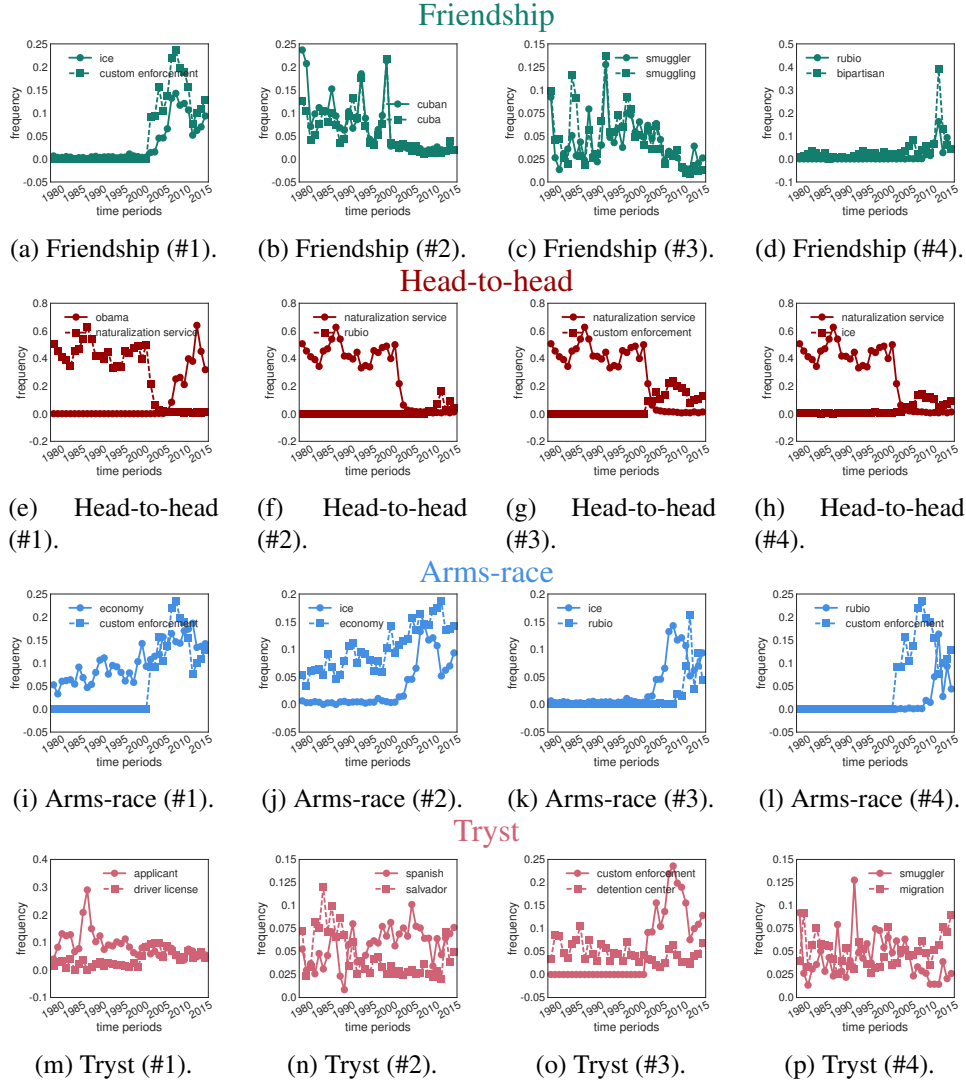


Figure 2: Top four figures in each category, more careful investigation is required to interpret these results. Also explore further down the list (e.g., top 50) to get a better understanding.

### 3 Relation tables

Table 1: Relation between ideas. This table shows top pairs. In the table/ directory, there is another file with top 50 pairs, which is worth further investigation.

combined	pmi	correlation	first		second
friends					
2.265	2.381	0.951	ice		custom enforcement
1.780	2.313	0.770	smuggler		smuggling
1.613	1.900	0.849	rubio		bipartisan
1.604	1.690	0.949	overhaul		bipartisan
1.374	1.504	0.913	employer		hire
1.351	1.961	0.689	cuban		miami
1.328	1.457	0.911	application		applicant
1.292	1.833	0.705	haitian		miami
1.270	1.554	0.817	rubio		overhaul
1.253	1.539	0.814	refugee		haitian
head-to-head					
1.839	-2.749	-0.669	obama		naturalization service
1.414	-2.909	-0.486	naturalization service		rubio
1.368	-1.534	-0.892	naturalization service		custom enforcement
0.957	-1.440	-0.664	naturalization service		comprehensive
0.897	-2.146	-0.418	rubio		smuggling
0.803	-0.934	-0.859	latino		naturalization service
0.752	-1.400	-0.537	cuban		ice
0.715	-0.969	-0.738	latino		asylum
0.706	-1.334	-0.529	driver license		cuba
0.682	-1.853	-0.368	rubio		smuggler
arms-race					
-0.557	-0.717	0.776	economy		custom enforcement
-0.509	-0.659	0.772	ice		economy
-0.325	-0.899	0.362	ice		rubio
-0.261	-0.915	0.285	rubio		custom enforcement
-0.241	-0.496	0.486	citizenship		ice
-0.233	-0.856	0.272	ice		bipartisan
-0.217	-0.394	0.550	republican		custom enforcement
-0.215	-0.359	0.600	republican		ice
-0.214	-0.399	0.537	citizenship		custom enforcement
-0.211	-0.588	0.358	welfare		smuggling
tryst					
-0.421	1.133	-0.372	applicant		driver license
-0.359	1.093	-0.328	spanish		salvador
-0.327	1.296	-0.253	custom enforcement		detention center
-0.323	0.902	-0.358	smuggler		migration
-0.311	1.036	-0.301	cuban		rubio
-0.307	0.567	-0.540	latino		salvador
-0.277	1.003	-0.276	applicant		green card
-0.259	0.967	-0.268	latino		asian
-0.256	0.620	-0.413	deported		asylum
-0.242	0.666	-0.363	enforcement		border patrol