Dissimilarity Matrices

Social: main distance table computing (75%)

Separate dissimilarity matrices to be computed

Combined Matrices

Spatial	Temporal	Content	Social	State
1				OK
	1			OK
		1		OK
0.5	0.5			OK
0.5		0.5		OK
	0.5	0.5		OK
0.75	0.25			OK
0.75		0.25		OK
0.25	0.75			OK
	0.75	0.25		OK
0.25		0.75		OK
	0.25	0.75		OK
		0.75	0.25	TODO
0.25			0.75	TODO
	0.25		0.75	TODO
		0.25	0.75	TODO
			1	TODO
0.25	0.25	0.25	0.25	TODO
0.5			0.5	TODO
	0.5		0.5	TODO
		0.5	0.5	TODO
0.75			0.25	TODO
	0.75		0.25	TODO

- 12 combined matrices for all subsets
- Each matrix takes 3-4 min to compute and save to disk

Clustering

- All combined matrices + sample_dist_sp_norm + sample_dist_tp_norm + sample_ct_dist
- Saved to JSON file for website: clusters array (other information to be added)
- Each clustering takes 30s to compute and save to disk
- Must be updated until dbscan parameters give good results for all subsets

Data

- Data files saved for all subsets in JSON format to be used in website

Website

- http://192.168.102.190/ (to be updated)
- Data file: geodata[subset].json

{"208331152":[14831625,"belbute", "2012-05-31 23:56:31", -51.19392168, -30.00931829, "I m at Av Ceará http t co 6kSceJbU"],

"208331279":[15392221,"TSFRadio", "2012-05-31 23:57:02", -9.09904258, 38.74751841, " Economia Queda nas receitas fiscais pode comprometer meta do défice diz ex ministro http t co LcwpytUi Em http t co mld96eGZ"],…}

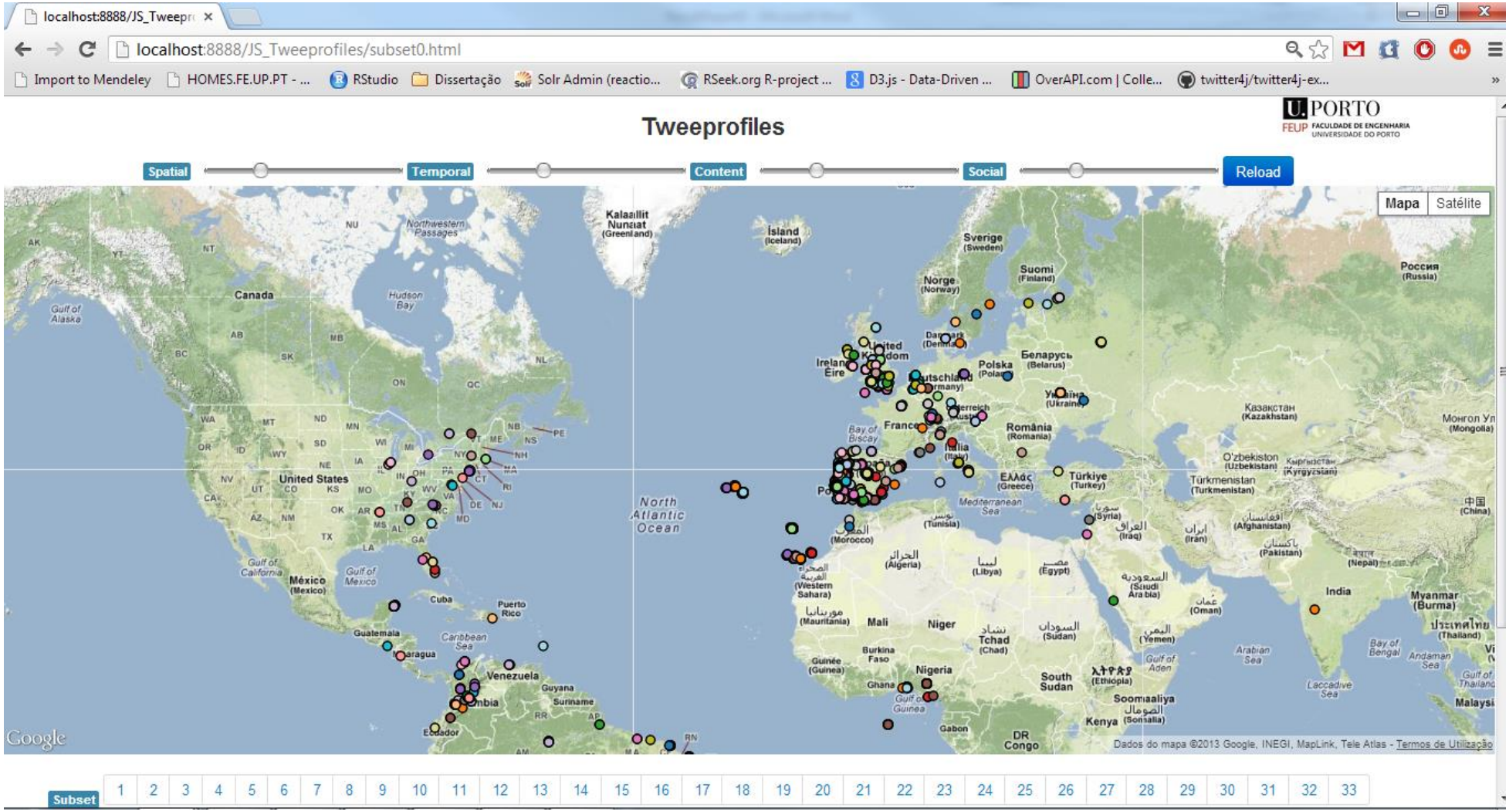
  - Problems: text encoding + unusual characters + different languages
  - Solved by only obtaining alphanumeric characters. Otherwise fails to load
- Clustering file: clustering[subset]_[w1]_[w2]_[w3]_[w4]
  - {"clusters":[1,2,2,1,2,…]}
  - Problems: load unsuccessful so far (probably wrong JSON format)

- Subset is defined by bottom bar (opens different .html connected to a data file)
- Clustering is defined by slide bars on top. Default is 25% for each (TODO)
- Button event reloads clustering file to set different colors. (TODO)

- Mouse events on map:
  - Mouse over circle: shows tweet id
  - Mouse out: hides tweet id label
  - Mouse click circle: shows tooltip with all tweet data
  - Scroll mouse: zoom on map
  - Click and drag: navigate map

- Clustering representations:
  - Each tweet colored accordingly to cluster id
  - Draw polygon/shade connecting all points in a clusters
  - When the content % != 0 show most relevant word in a label annex to the cluster polygon/ on click tooltip
  - To think: interactive social graph / timeline colored by cluster initial and final date

○


localhost:8888/JS_Tweepr
localhost:8888/JS_Tweeprofiles/subset0.html
Import to Mendeley
HOMES.FE.UP.PT - ...
RStudio
Dissertação
Solr Admin (reactio...
RSeek.org R-project ...
D3.js - Data-Driven ...
OverAPI.com | Colle...
twitter4j/twitter4j-ex...
Tweeprofiles
U.PORTO
FEUP FACULDADE DE ENGENHARIA UNIVERSIDADE DO PORTO
Spatial
Temporal
Content
Social
Reload
Mapa
Satélite
Canada
United States
México (Mexico)
Cuba
Venezuela
Guyana
Suriname
Ecuador
Guatemala
Puerto Rico
Kalaallit Nunaat (Greenland)
Ísland (Iceland)
Sverige (Sweden)
Norge (Norway)
Suomi (Finland)
Россия (Russia)
Беларусь (Belarus)
Polska (Poland)
Ireland Éire
United Kingdom
Deutschland (Germany)
France
Österreich (Austria)
Italia (Italy)
România (Romania)
Ελλάς (Greece)
Türkiye (Turkey)
Казакстан (Kazakhstan)
Монгол Ул (Mongolia)
O'zbekiston (Uzbekistan)
Кыргызстан (Kyrgyzstan)
Türkmenistan (Turkmenistan)
中国 (China)
India
Afghanistan
Pakistan
Nepal
Myanmar (Burma)
ประเทศไทย (Thailand)
Malaysia
Iran
Iraq
Syria
Saudi Arabia
Oman
Yemen
Egypt
Libya
Tunisia
Algeria
Morocco
Western Sahara
Mauritania
Mali
Niger
Chad
Sudan
South Sudan
Ethiopia
Kenya
Soomaaliya (Somalia)
Nigeria
Ghana
Burkina Faso
Guinée (Guinea)
Gabon
DR Congo
North Atlantic Ocean
Mediterranean Sea
Bay of Biscay
Gulf of Alaska
Gulf of California
Gulf of Mexico
Caribbean Sea
Hudson Bay
Northwestern Passages
Arabian Sea
Bay of Bengal
Andaman Sea
Laccadive Sea
Gulf of Aden
Gulf of Guinea
Google
Dados do mapa ©2013 Google, INEGI, MapLink, Tele Atlas - Termos de Utilização
Subset
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33