Dissimilarity Matrices

Spatial: 32/33 (Error to be corrected: lat/lgt incorrect at id 84023)

Temporal: 32/33

Content: 32/33 (Ended 30/03/2013)

Social: 0/33 (Testing results with current social distance)

d(T1,T2) = dist_graph(U1 -> U2) or dim(matrix) (In normalized matrix Inf/Inf = NaN)

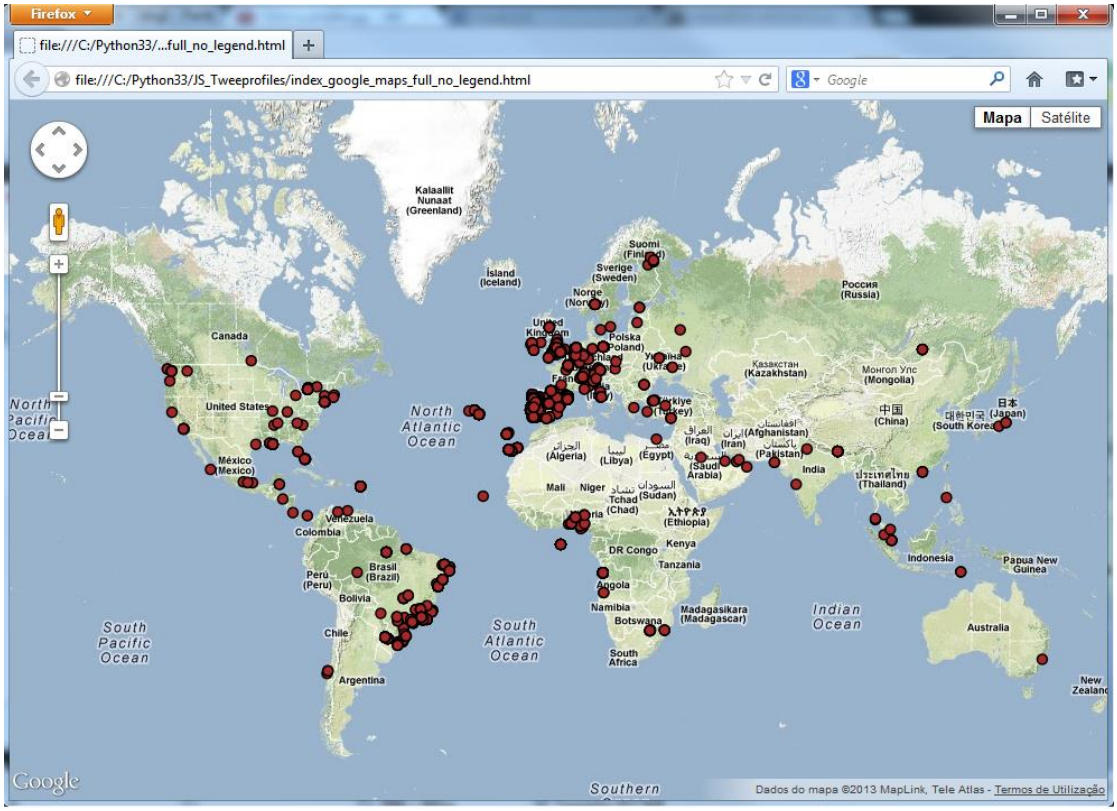
Map

R packages:

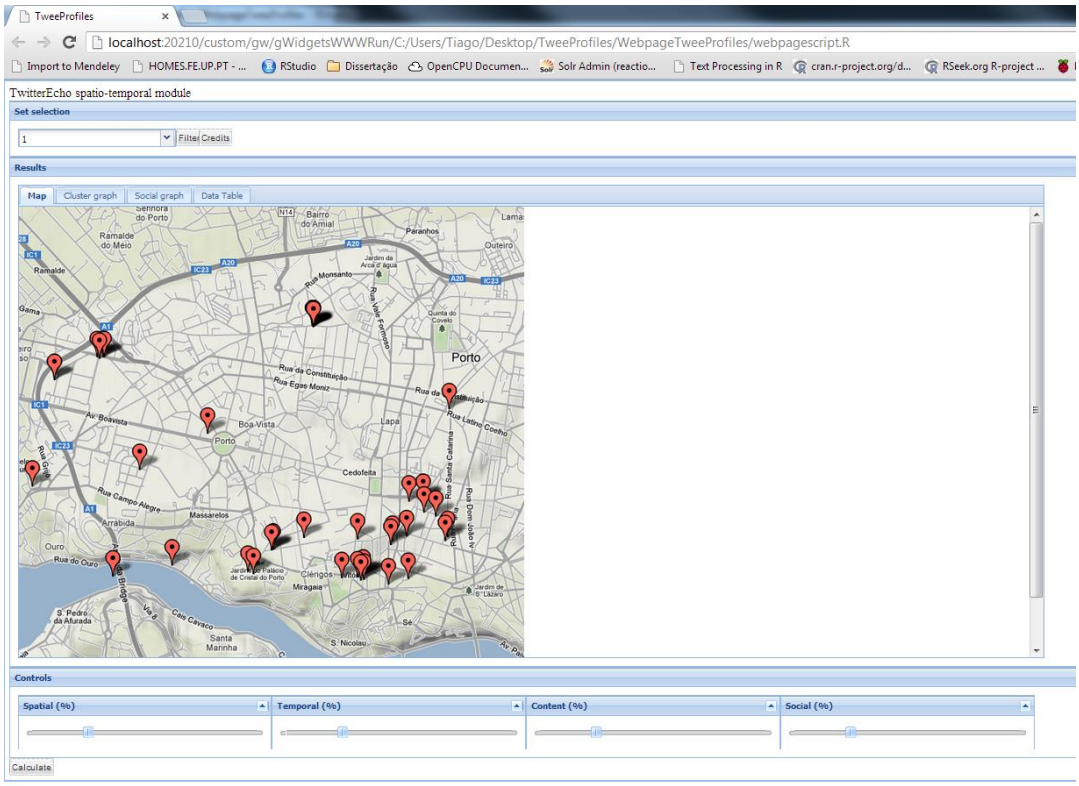
- Maps + iplots
  - Zoom: clicking
  - Plotting: not achieved
- Webmaps
  - Plotting: not achieved
- plotGoogleMaps
  - Doesn't allow more than 100 markers (string size for url request)
- Ggmap
  - Static models (no zoom/drag)
- RgoogleMaps
  - Static models (no zoom/drag)
  - Doesn't allow more than 100 markers (string size for url request)
- googleVis
  - Static models (no zoom/drag)
  - Doesn't allow more than 100 markers (string size for url request)
  - Worse zoom (slow)

Javascript:

- D3.js (most famous/versatile)
  - Zoom/Drag: ok
  - Plotting: all points successfully plotted (120k)
  - Layered approach (google map + layer points/tooltip + clusters using circle representation)
  - Examples:
    - https://github.com/mbostock/d3/wiki/Gallery
    - http://mbostock.github.com/d3/talk/20111116/airports.html
    - http://bl.ocks.org/mbostock/4060606
- Polymaps
- DataMaps
- Mapbox



Visualization Tool - Package gWidgetsWWW



Clusters

Spatial	Temporal	Content	Social
1			
	1		
		1	
			1
0.25	0.25	0.25	0.25
0.5	0.5		
0.5		0.5	
0.5			0.5
	0.5	0.5	
	0.5		0.5
		0.5	0.5
0.75	0.25		
0.75		0.25	
0.75			0.25
0.25	0.75		
	0.75	0.25	
	0.75		0.25
0.25		0.75	
	0.25	0.75	
		0.75	0.25
0.25			0.75
	0.25		0.75
		0.25	0.75

23 matrizes no total por subset

19 matrizes combinadas a calcular + 4 já calculadas

19 matrizes/subset * 33 subsets = 627 matrizes

23 clusters resultantes

Dúvidas:

- Usar sempre os mesmos parâmetros eps e MinPts no dbscan ou fazer iterativamente até encontrar um número mínimo de clusters, aumentando eps?
- Usar sempre os valores eps=0.3 e MinPts = 5?