

Hello

@franckernewein

CTO @Lightping
(anciennement tweetping)

realtime social display

Harmonisation des données géographiques

Top cities talking about Nutella

| | | | |
|-------|-----|--------------|-----|
| Milan | 952 | Naples | 605 |
| Rome | 595 | Vatican City | 359 |

1,449,079 277,763 545,787

TOTAL: 2,272,629.

Hungary

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Serbia

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

From Twitter
Tweets about nutella

But:

Création de compteur par ville

Twitter

```
"coordinates":  
{  
  "coordinates":  
  [  
    -75.14310264,  
    40.05701649  
  ],  
  "type":"Point"  
}
```

```
"place":  
{  
  "attributes":{},  
  "bounding_box":  
  {  
    "coordinates":  
    [[  
      [-77.119759,38.791645],  
      [-76.909393,38.791645],  
      [-76.909393,38.995548],  
      [-77.119759,38.995548]  
    ]],  
    "type":"Polygon"  
  },  
  "country":"United States",  
  "country_code":"US",  
  "full_name":"Washington, DC",  
  "id":"01fbe706f872cb32",  
  "name":"Washington",  
  "place_type":"city",  
  "url": "http://api.twitter.com/1/geo/id/01fbe706f872cb32.json"  
}
```

Instagram

```
{  
  "id": "545331",  
  "latitude": 48.858334059662262,  
  "longitude": 2.2943401336669909,  
  "name": "Restaurant 58 Tour Eiffel"  
},
```

Facebook

- City ID (interne a Facebook)
- City name
- Country name
- coordonnées GPS

Autre source

???

Bilan

- City ID (interne)
- City name
- Country name
- Country Code (ISO)
- coordonnées GPS

Problèmes:

Toutes les sources ne fournissent des informations
concernant la ville

Les IDs ne sont pas homogènes entre les différents
sources

Homogénéisation des d'IDs

- Twitter
- Instagram
- Facebook
- GoogleMap
- OSM (License ODbL)
- Geonames (License Creative Common)

Mapping des data

- City name => GeonamesID
- City name & Country Code ISO=> GeonamesID
- City name & Country Name => GeonamesID
- Latitude & Longitude => GeonamesID (reverse-geocoding)

jumplead geonames-server

- City name => GeonamesID
- City name & Country Code ISO=> GeonamesID
- City name & Country Name => GeonamesID

quattroshapes.com

Complément à geonames

reverse-geocoding

Geonames data
+
Quattroshape data
+
redis 3.2 (w/ GEO features)
=
easy reverse-geocoding

autres ressources

- pelias
- gisgraphy
- photon