A Generic framework to perform comprehensive analysis of tweets

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Aim of this research work

A collection of tweets

Research data

Process Data

1100
1010
0101

How can we take into account this research data to enhance the researcher’s E-reputation?

Research data as a reflection of a research activity or as a performance indicator?
The 5W dimension

Who

Where

When

What

Why

Five important questions about the content of Research data

To help researchers in the domain of HSS to analyse their research data
A generic framework

Tweets transcript from Twitter for a period

Users Profiles

Assessing Who/Where/When
Assessing «When»
Assessing Why (some Generalities)

Assessing «About What» (Thematic Entities)
Assessing What «Sentiment analysis»
Assessing «About Where» (Spatial Entities)

First Analysis
More Complex Statistical Analysis
To connect a tweet to a category (suited to a local territory policy for example)
To connect a tweet to a positive, negative or neutral sentiment
Geolocation found in the content of the tweets

Number of tweets per day
Location
Number of «Tweetos»
Used platform
Most cited Hashtags
Followers

Textual statistical analysis

Textual analysis (Ontology Gazeteers)

Sentiment analysis (Lexicons)

Extraction of Spatial Entities
Textual analysis (Gazeteers)

DashBoard adapted to user profile – Summarization like maps, temporal analysis, words cloud, KPI
Extension of this research work

Different collections of textual document

Research data as a reflection of a research activity or as a performance indicator (Almetrics)?

How can we take into account this research data to enhance the researcher’s E-reputation?
Research Questions?

- How to encourage the adoption of data management best practices throughout the data life cycle by HSS researcher?
- How to give a reputation to their data sets?
- How to make the research data retraceable for others for verification purposes and for making them reusable beyond the original purpose for which they were collected.
- How to design a generic toolbox for HSS researcher in order to perform and analyse their research data