

# Assignment 3 - Social Web

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## 1. DISCUSS AN EXISTING ANALYSIS

### 1.1 Step 1

Find out what data is used for the report (e.g., what is the period it covers, what is the geographic spread, what is the demographic profile, what is the size of the sample, etc.).

Report: <http://www.emarketer.com/Article/Where-World-Hottest-Social-Networking-Countries/1008870> Where in the World Are the Hottest Social Networking Countries?

The report by emarketer quantifies the use of social networking websites throughout the world, measuring their spread and predicting future numbers.

There is data about Facebook users and Social Networking websites in general, on all devices, including mobile.

According to the report, the numbers are based on survey and traffic data from research firms and regulatory agencies. The predictions are based on trends observed by emarketer and other country-specific socio-economic factors.

The demographics for this report are broad - people who access the internet from any kind of device. The data was clustered by country and region for one of the reports. Its geographic spread includes all the world, restricted to places that have Internet connectivity.

The report was released in February 2012 and covers the 2011-2014 period, meaning half of the data is predicted.

### 1.2 Step 2

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Identify and describe the types of analyses that are present in the report (e.g., cluster analysis, association rules analysis, co-occurrence analysis, trends and anomalies detection, etc)

The report contains three key points: the number of social users worldwide the number of social users by region and country the number of Facebook users worldwide All of the data covers the 2011-2014 timeframe.

Considering that the report came out at the beginning of 2012, it means that the numbers for 2012, 2013 and 2014 are based on predictions formed by trend analysis.

In addition, the second point (number of social users by region and country) uses clustering to aggregate the numbers by country and region.

The three analyses don't look only at the absolute value of data, but also at the rate at which it is changing year by year. So, for example, the report predicts that Facebook's yearly increase of users will drop from 44

### 1.3 Step 3

Identify and describe the limitations of the analyses presented in the report (such as missing links to other relevant data for this research, or reliability of the methods used and the truthfulness of the conclusions)

The report is released by a research firm, and they favor their corporate subscribers. Because of this, the data that the report is based on is not released to the public. Moreover, there aren't mentioned specifics about the size of the data, concrete sources etc. All that is mentioned is that the data is based on traffic data from research firms and other surveys. Because of this, the report can not be compared directly with others from the same sources, since those sources are unknown.

It's worth mentioning that the predictions it made were reasonably accurate - for example, the report predicted that Facebook will have 1.14 billion users in 2014, and the latest report says Facebook has 1.19 billion

users.

While the report includes social users from Asia and makes claims about users in China, there are no mentions about other social networks. This is important, because Facebook was banned in China at the time of the report. It would have been useful for the report to include data about other social networks as well, especially since there are countries around the world (Brazil, Russia) where Facebook is not the most popular social network.

## 2. ANALYSIS OF THE GEOGRAPHY OF MEDIA INFLUENCE

Media, especially in the form of news sources, has a complex role in defining the way in which we perceive the side of the world that is near us, as well as the "other side" of the world. First of all, it can determine the priorities of the society, and influence our affinities. For example, as [?] notes that the news media has a major influence on the topics around which a political campaign revolves. Second of all, news media can modulate our interest in specific national or international events [?]. Moreover, consumers judge the quality of the news by the extent to which the news meet their preconceptions and expectations[?].

In effect, the more homogenous the news sources to which a person is exposed, the less educated he/she may be about the topic. To resolve this issue, one can study various news sources when choosing which candidate to vote for in order to have a better impression of the advantages and disadvantages of each candidate choice. When one takes into account various international perspectives on external events, one may have a more complete and balanced image of the parties involved and the issues at stake. And even it involves an additional effort, reading news from sources that do not fit the individuals' preconceptions, or even contradict them, helps the individual understand the basis on which perspectives other than his own are grounded.

With the increased usage of the internet, users have access to sources other than the local or national news at the tip of their fingers. In this context, our research question is whether internet users take advantage of this opportunity, and access news originating from different countries, when informing themselves on an international topic. Although we are aware that a more

Research hypothesis - for a topic related to a country - citizens from the country tend to get informed from local news. people from outside the country use more sources. (to find article) does this also hold for the new media?

Describe data collection, and representation

Describe data analysis performed

Describe results

- tweets by country
- percentage of local media focus
- main parties involved - which are the media sources
- media heterogeneity (to define a measure)

Limitations - the use of different country sources may reflect immigrants, especially when speaking less "popular" languages, probably better to delineate between news agencies, international news agencies etc

## 3. CONCLUSIONS