D.3.2.6.1 V1&V2

Requirements of the UIs for raw data pre-processing, topic mining, NEKD, and News Assembler prototype

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Executive Summary

Sofware Newsroom’s aim is to make software that uses different algorithms to scan social media sites. Its aim is to find trends and potential news stories. This document will explain what requirements there are for the user interface (UI) from user’s perspective. The document contains both version one and two of the deliverable.

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1 Requirements for the UI from users perspective

1.1 Landing page

First requirement for the tool is a simple landing page. First page that summarizes the question what is Finland talking about in social media or at least gives the user some indicators of that with the first glance.

1.2 Categories

The tool needs to be as simple and as easy to use as possible. There are three categories from which the user can choose from to begin with: *subjects*, *places*, and *people*.

First category, subjects, will show the most active subjects in the conversations in social media. *Second category*, places, shows if there are some particular places or regions that pop up frequently in social media. *Third category*, people, will gather the most frequently mentioned names of people in social media.

1.3 Time windows

The user needs to be able to examine the three categories in different time windows. The user will be able to select from four different options: results from last hour, from latest 24 hours, latest week (7 days) and latest month (31 days). This helps the user to recognize rapidly rising topics and longer trends in social media. So, for example, user can choose people plus today and the tool will show names of people that are most mentioned in the social media today. After that the user can click additional information from some specific result. In this case, the user sees the additional information behind the name. Why the name is mentioned so many times and where? Is there something new happening around that specific individual?

1.4 Additional information and raw data

From the user's perspective a vitally important feature in the UI is the way it displays all the additional information and the original data related to the results. The information behind the result needs to be presented as clearly as possible so it's easier for the user to make the choice whether the subject is a valid news or not, determine the credibility of the result and finally gather the final story. The additional data behind the results should not be only links. There should be as much information from behind the link as possible keeping in mind that it is presented in easy and comprehensive way. If the user needs to open and go through all the links behind one result it takes too much time and effort.

1.5 Visualization of the data

From user's point of view it's very important that all the results are visualized in a comprehensive way that enables grabbing the essence intuitively, preferably, in one

glance. Graphs will make the user experience better and also a lot easier to the user to find the relevant information. So the results should be presented in graphs if possible and the additional information of them should be presented as clearly as possible. The additional information section should also gather all the photos and videos from the subject. The visualization of text shall also be tuned to point out and recognize the essential part, which should be sufficiently compact.

Fig. 1: A screenshot of the category dashboard of the prototype UI