

News Timeline: An Visual Analysis Tool for Heterogeneous Data Sources

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ABSTRACT

{TODO: Add the abstract after complete the summary}

Index Terms: K.6.1 [Management of Computing and Information Systems]: Project and People Management—Life Cycle; K.7.m [The Computing Profession]: Miscellaneous—Ethics

1 INTRODUCTION

Exploring heterogeneous data from different sources can be complicated and error pruning if not well dealt with hidden relationship between entities or possible data conflicts between materials. In the MC1 of VAST Challenge 2014, to extract relationship between POK and GASTech we need to extract important people from different sources of file, e.g. employee resume, email, research report, and a huge volume of news with conlits. In our design of the analysis tool News Timeline. {TODO: Choose a better name for our tool}, we integrate different kinds of source files into a timeline-based view, providing a quick overview for user to choose important file to focus for efficiency.

Our design mainly consists of three parts, namely resume viewer, news timeline, and email reader. {TODO: Is this right?} Cooperating with tools like Jigsaw and Google fusion, we can quickly extract important events and entities from massive data.

2 DESIGN PRICIPLES

{TODO: Explain what do we concern about in our design and how did we solve them.}

3 VISUALIZATION TOOLS

3.1 Resume reader

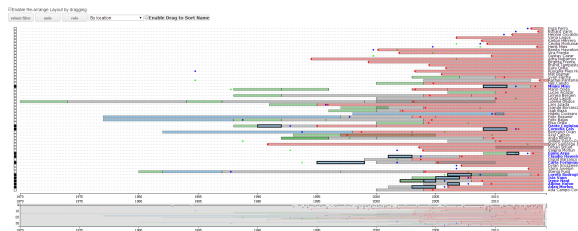


Figure 1: Resumer viewer

Resume reader is the first paragraph. ¹.

3.2 News timeline

{TODO: Finish description for newstimeline.}

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3.3 Email Reader

{TODO: Finish dealing with email reader.}

4 DATA EXPLORATION

{TODO: Describe how do we explore data sources to extract details.}

5 CONCLUSION

{TODO: What do we achieve with our tool.}

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¹This is footnote