Data Analytics and Cognitive Computing Group Project

Detecting Patterns in ...????

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ABSTRACT

1. INTRODUCTION

Use three or four paragraphs to present an introduction to your termpaper.

Alsp, provide a roadmap for the remaining sections of the paper. For example, you can state that Section 2 presents a motivation for the term paper, and section 3 presents your literature survey of the work done in your target area. Section 4 discusses different approaches that have been taken to address cognitive computing, and 5 presents a comparative analysis of the approaches. Section 6 should discuss—in sufficient depth—what you learned from this term paper. Section 7 describe the current state of the project and what else could be done in the future.

Note 1: This specific file is a generic template so the section titles may not fit your specific needs so feel free to change them as needed.

Note 2: Please change the words so that you use your own word, not these suggested words. This is important because the paper needs to be in your own words!

2. MOTIVATION

Use this section to motivate why your term paper. Describe the fundamental issues being explored in the term paper, and what kinds of comparisons

3. RELATED WORK

Use this section to describe what other people have been doing to in this space. Make sure your literature survey is fairly complete, and you must cite your sources correctly per ACM style guidelines (and of course, you need to use LaTeXand BibTeXcorrectly).

4. CURRENT APPROACHES

Discuss each of the approaches/products/projects that you are comparing in this paper.

4.1 IBM Watson

Provide the basic features, strengths and weaknesses of this approach.

4.2 Approach 2

Provide the basic features, strengths and weaknesses of this approach.

4.3 Approach 3

Provide the basic features, strengths and weaknesses of this approach.

4.4 Approach 4, if any

Provide the basic features, strengths and weaknesses of this approach.

5. COMPARATIVE ANALYSIS

This section will present a comparison of the different approaches to cognitive computing, which you discussed in Section 4.

6. LESSONS LEARNED

Describe what you learned from the term paper; this section, like the others, plays a critical component in determining your final grade.

7. CURRENT STATUS & FUTURE WORK

Use this section to describe the current status of your work and what else needs to be done. Also, discuss what further directions your work can take by others.

The next subsection is meant to provide you with some help in dealing with figures, tables and citations, as these are hard for folks new to LaTeX.

And please delete the following subsection before you make any submissions!

7.1 Tables, Figures, and Citations/References

Tables, figures, and citations/references in technical documents need to be presented correctly. As many students are not familiar with using these objects, here is a quick guide extracted from the ACM style guide.

First, note that figures in the term paper must be original, that is, created by the student: please do not cut-and-paste figures from any other paper you have read. Second, if you do need to include figures, they should be handled as demonstrated here. State that Figure 7.1 is a simple illustration used in the ACM Style sample document. Figures are never

Table 1: Feelings about Issues

Flavor	Percentage	Comments
Issue 1	10%	Loved it a lot
Issue 2	20%	Disliked it immensely
Issue 3	30%	Didn't care one bit
Issue 4	40%	Duh?

below or above the text. Incidentally, in proper technical writing (for reasons beyond the scope of this discussion), table captions are above the table and figure captions are below the figure.

Figure 1: A sample black & white graphic (JPG).

Finally, citing documents needs to be done properly too. For example, a paper by Mic Bowman, Saumya K. Debray, and Larry L. Peterson could be cited as Bowman, Debray, and Peterson [1]. A set of papers could collectively be cited as the literature in this area consists of several interesting papers [2, 3, 4].

You will find the BibTeX entries needed for many papers being cited, otherwise you can write your own versions easily and add them to the *report.bib* file in the folder. There are many sample bibtex template files that can be used to model your own references.

The list of all references will be generated in ACMRef standard style using the LaTeX/BibTeX. Note that you need to first the following sequence to get the paper compiled correctly:

1. `latex` *termpaper*
2. `bibtex` *termpaper*
3. `latex` *termpaper*
4. `latex` *termpaper*

8. REFERENCES

[1] M. Bowman, S. K. Debray, and L. L. Peterson. Reasoning about naming systems. *ACM Trans. Program. Lang. Syst.*, 15(5):795–825, November 1993.

[2] J. Braams. Babel, a multilingual style-option system for use with latex's standard document styles. *TUGboat*, 12(2):291–301, June 1991.

[3] M. Clark. Post congress tristesse. In *TeX90 Conference Proceedings*, pages 84–89. TeX Users Group, March 1991.

[4] M. Herlihy. A methodology for implementing highly concurrent data objects. *ACM Trans. Program. Lang. Syst.*, 15(5):745–770, November 1993.