

My Great Project

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Abstract

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1 Introduction

This is a simple example file on how to write a report using LaTeX. Just use it as a base and replace the content. I put some examples of commonly used features, but there are many more. Generally, you learn these on demand. Examples include:

- Lists
- Tables
- Math text

After you write your LaTeX source, you have to compile it, run BibTeX, and then compile twice again, to get all cross-references right. I also included a Makefile to make that whole process easier. You just have to type `make` if you have your environment set. It should work on Linux, MacOS, and cygwin. If you are running anything else, you should know how to set it up too.

Some sample text. Paragraphs are created by blank lines in the source. Some sample text. Paragraphs are created by blank lines in the source. Some sample text. Paragraphs are created by blank lines in the source. Some sample text. Paragraphs are created by blank lines in the source. Some sample text. Paragraphs are created by blank lines in the source.

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2 Another Section

Another section. This one will have a figure. See Figure 1. Each figure has a label, which must be defined *after* the caption. Traditionally, people use `fig:...` for figure labels, `sec:...` for section labels, and `tab:...` for table labels. For example, this is a reference to Section 1.

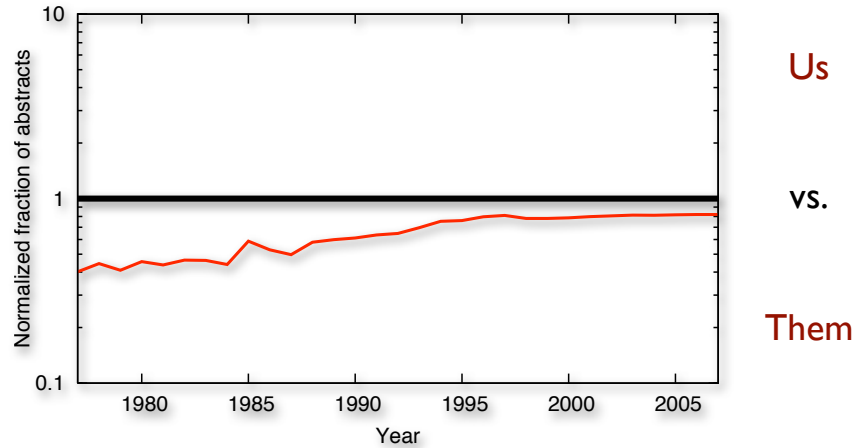


Figure 1: Relative number of abstracts from the ACM Digital Library containing the word ‘us’ versus the word ‘them’. According to [1], ‘they are winning, but we are gaining on Them’.

3 Related Work

A nice feature for collaboration is that you can break your document into many files with `input`, and have each person work on a different file. This works great if you have some sort of version control such as SVN or GIT.

Finally, you may want to cite some previous work. For example, [2] is a highly-cited paper. The ACM digital library is a good source of BibTeX entries.

4 Conclusions

It should be easy to write your report in LaTeX, and it’s a great tool to learn. It almost certainly came with your Linux installation, and can be very easily installed in Cygwin and on the Mac (through the excellent MacTeX distribution).

References

- [1] Brighten Godfrey. Historical computing research trends. Outrageous Opinion Session, Sigcomm 2008. http://www.cs.berkeley.edu/~pbg/sigcomm08-outrageous_opinion.pdf.
- [2] Leslie Lamport. Time, clocks, and the ordering of events in a distributed system. *Commun. ACM*, 21(7):558–565, 1978.