Classificació de Supervivents del Titanic

Ricard Urpí Vilanova^{a,1}, Ferran Villarta^{b,2} and Natan Sisoev^{c,3}

Abstract—An abstract is a brief summary that outlines the key aspects of a work. An example of a famous abstract is reproduced verbatim here for illustration purposes [1]: The dominant sequence transduction models are based on complex recurrent or convolutional neural networks that include an encoder and a decoder. The best performing models also connect the encoder and decoder through an attention mechanism. We propose a new simple network architecture, the Transformer, based solely on attention mechanisms, dispensing with recurrence and convolutions entirely. Experiments on two machine translation tasks show these models to be superior in quality while being more parallelizable and requiring significantly less time to train. Our model achieves 28.4 BLEU on the WMT 2014 Englishto-German translation task, improving over the existing best results.

Keywords—a, b, c, d

Introduction

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1. Introduction

- This sample document contains indications about how to write the
- 3 report for the project in the subject of Natural Language Processing.
- The full report must be no longer than 5 pages without including ref-
- erences. **Any additional pages will not be evaluated**. The section
- 6 structure is open, but you are encouraged to follow a principled aca-
- demic writing style (you may mimic that of the papers provided as
- references). Form will be taken into account in the evaluation
- 9 of the project.

2. Writing LATEX

ETEXis the typesetting tool that most academics use these days. For this reason, you are required to present your work using it. ETEXhas a bit of a steep learning curve at the beginning, but you will see that it is quite intuitive and you will get progressively more productive at it as you write.

2.1. Basics

Let EXIs based on the idea of defining commands (or macros) that control the presentation of the text on a document. As a matter of fact, Let EXIs in the presentation of the text on a document. As a matter of fact, Let EXIS in the present of the

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) and have a number of arguments, if any, between braces ({ and }). You can set a **bold** or an *italic* typeface using the \textbf{.} and \textit{.} commands. You can also change the size of the font for a scope. You can change text color using the \color{col} command.

Nevertheless, you should mostly refrain from formatting text explicitly. Large Provides commands for recurring types of text modifications with some batteries included. For instance, if you want to divide your text in chunks under prominent titles you can use the \section{.}, \subsection{.}, \subsection{.}. ... etc commands, which will handle everything for you. These titles will automatically appear in the table of contents, they will be properly numbered in the order of appearance, etc. If you are writing a book, you can also use the \part{.} and \chapter{.} commands for this.

Many MTEXconstructs are built around the \begin{environment} and \end{environment} commands. You write some text between these two commands that is to be formatted according to the rules of the given environment. With this, you can write

- Bullet point lists (environment itemize)
- 1. Enumerations (environment enumerate)

You can edit LETEX in any text editor of your choice. I suggest that you try Overleaf first, because the editing experience is very simple and very close to that of a shared Google Docs. These days they have gotten quite stingy however, so I suggest using VS Code with the LETEX Workshop extension instead. If you need to share the document, just put it in a Git repository. There are a myriad alternatives, so go out there and try what works for you.

3. Figures and tables

3.1. Figures

Fig. 1 shows an example figure. Figures can be referenced using \ref{ident}, where name is a previously-defined \label{name} for any object in the document. You can actually also do this with sections (Section 3) or equations or other types of objects that will be seen below.

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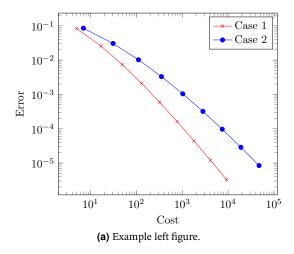
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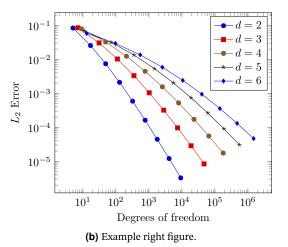


Figure 2. Example figure that covers the width of the page obtained from PGFPlots [2].

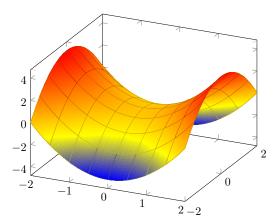


Figure 1. Example figure obtained from PGFPlots [2].

Fig. 2 shows an example of two figures that cover the width of the page. It can be placed at the top or bottom of the page. The space between the figures can also be changed using the \hspace{Xpt} command.

60 3.2. Tables

Table 1 shows an example table. The \tabletext{} is used to add notes to tables easily.

Table 1. Small example table.

Column 1	Column 2
Data 1	Data 2
Data 3	Data 4

Note: I'm a table text for additional information.

3 4. Tau packages

4.1. Tauenvs

This template has its own environment package *tauenvs.sty* designed to enhance the presentation of the document. Among these custom environments are *tauenv*, *info* and *note*.

There are two environments which have a predefined title. These can be included by the command \begin{note} and \begin{info}. All the environments have the same style.

An example using the tau environment is shown below.

Tauenv is the only environment that you can customize its title. On the other hand, info and note adapt their title to Spanish automatically when this language package is defined.

4.2. Taubabel

In this new version, we have included a package called *taubabel*, which have all the commands that automatically translate from English to Spanish when this language package is defined.

By default, tau displays its content in English. However, at the beginning of the document you will find a recommendation when writing in Spanish.

Note: You may modify this package if you want to use other language than English or Spanish. This will make easier to translate the document without having to modify the class document.

5. Equation

Equation 1, shows the Schrödinger equation as an example.

$$\frac{\hbar^2}{2m}\nabla^2\Psi + V(\mathbf{r})\Psi = -i\hbar\frac{\partial\Psi}{\partial t}$$
 (1)

The *amssymb* package was not necessary to include, because stix2 font incorporates mathematical symbols for writing quality equations. In case you choose another font, uncomment this package in tau-class/tau.cls/math packages.

If you want to change the values that adjust the spacing above and below the equations, play with \setlength{\eqskip}{8pt} value until the preferred spacing is set.

6. Adding codes

This class¹ includes the *listings* package, which offers customized features for adding codes in Lagrange documents specifically for C, C++, Lagrange and Matlab.

You can customize the format in tau-class/tau.cls/listings style.

If line numbering is defined at the beginning of the document, I recommend placing the command \nolinenumbers at the start and \linenumbers at the end of the code.

This will temporarily remove line numbering and the code will look better as shown in Code.

7. References

The default formatting for references follows the IEEE style. You can modify the style of your references, for that, go to tauclass/tau.cls/biblatex. See appendix for more information.

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¹Hello there! I am a footnote :)

8. Appendix

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8.1. Alternative title

You can make the following modification in tau-class/tau.cls/title preferences section to change the position of the title.

This will move the title to the center.

8.2. Info environment

An example of the info environment declared in the 'tauenvs.sty' package is shown below. Remember that *info* and *note* are the only packages that translate their title (English or Spanish).

17 8.3. Equation skip value

With the \eqskip command you can change the spacing for equations. The default *eqskip* value is 8pt.

8.4. References

In case you require another reference style, you can go to tauclass/tau.cls/biblatex and modify the following.

By default, *tau class* has its own .bib for this example, if you want to name your own bib file, change the *addbibresource*.

9. Acknowledgements

Tau La TeXtemplate built by Guillermo Jimenez.

127 References

128 [1] Ashish Vaswani et al. Attention Is All You Need.
129 arXiv:1706.03762 [cs] version: 5. Dec. 2017. DOI: 10 . 48550 /
130 arXiv . 1706 . 03762. URL: http://arxiv.org/abs/1706 .
131 03762 (visited on 10/25/2022).

132 [2] PGFPlots - A LaTeX package to create plots. URL: https://pgfplots.sourceforge.net/.

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