A LATEX Package for CSLI Collections

Edie Tor and Ed Itor (eds.)

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CENTER FOR THE STUDY OF LANGUAGE AND INFORMATION

Contents

Introduction vii

- 1 Getting Started 1 GNU WHO
- 2 Continuing On 5 CHRISTINE S. LIPUBS

Index 9

August 31, 2006

Introduction

Here we have an unnumbered introductory chapter with roman-numeral page numbers. This might be a Preface or Introduction, perhaps with Acknowledgments at the end.

Humpty-Dumpty sat on a wall. Humpty-Dumpty had a great fall. All the King's horses and all the King's men couldn't put Humpty together again. Humpty-Dumpty sat on a wall. Humpty-Dumpty had a great fall. All the King's horses and all the King's men couldn't put Humpty together again.

Acknowledgments

I would like to thank The Brothers Grimm and Mother Goose for many helpful discussions and much advice.

August 31, 2006

Getting Started

Gnu Who

1

This is the first numbered chapter of the book. The following text illustrates what cslipubs.sty produces, along with examples of some of the macros in cslipubs-extra.sty and lingmacros.sty. This sampling is not exhaustive.

1.1 Format of Documents

Please look at example.tex, which produced this documentation by using the cslipubs.sty package. Note that the cslipubs.sty package relies on Melchior Franz's crop.sty package, a copy of which accompanies this example.

1.2 DRAFT vs. FINAL

In specifying \usepackage{cslipubs}, the options DRAFT and FINAL are available. The default is DRAFT, which is recommended until the book is almost ready for press:

\usepackage[DRAFT]{cslipubs}

The DRAFT option provides the following:

- Each page is centered on $8\frac{1}{2}'' \times 11''$ (USA's standard) paper.
- \NOTE{ } may be used for marginal draft comments.
- The date is printed at the top outer corner of each page.

When the book is almost ready for press, change the above **\usepackage** command to:

\usepackage[FINAL]{cslipubs}

A $\amalg T_EX$ Package for CSLI Collections. Edie Tor and Ed Itor (eds.). Copyright © 2006, CSLI Publications. This marginal note demonstrates the \NOTE{ } command, which is meant for reminders while using the [DRAFT] option.

1

2 / GNU WHO

The FINAL option has the following effects:

- Each page is pushed to the top left corner on a printout (unless a \crop[] command is given, which centers each page).
- \NOTE{} is nullified, producing no comments.

1.3 Some Stuff From lingmacros.sty

For instance, the following manner of displaying sentences or other kinds of examples of things was originally designed for linguistics documents, and we have found it to be generally useful in other sorts of documents as well.

(1) Peas porridge hot. Peas porridge cold.

And then you can have enumerated items within such an enumerated example.

- (2) a. kalk-n apra kpa-ra sago pudding V SG-OBL plate VII PL big-VII PL 'big plates of sago pudding'
 - b. pia-ka-timí words O-1SG A-say 'I talked.'
 - c. na-mpu-wapát-ncut 3SG O-3PL A-climb-RM PAST 'They climbed it (the tree).'
 - d. nan-áwkura-na amtra PL IMP-gather-IMP food V PL 'Collect food!'

The enumeration is taken care of automatically. And you can refer to such enumerated examples without having to keep track of or otherwise know which numbers they are assigned using the standard $IaT_EX \label{} command or the non-standard \toplabel{} com$ mand. Look into the on-line file for this chapter to see how you areable to refer blindly to examples (1), (2). A little bit extra to makesure of enough lines.

1.4 Some More Stuff

You can also produce attribute-value matrices, like this:

alpha	beta
gamma	delta
epsilon	zeta

Getting Started / 3

TABLE 1
Means, Medians, and Ranges of Twenty-four Correlations
Computed on Mean Ranks of Students' Choices Between
the Reference, Schelling, and Salience Tasks
(Experiment 2)

PAIRS OF TASKS	Mean	Median	Range
Reference and Schelling tasks	.80	.89	$\substack{0.33-1.00\\0.27-1.00\\0.21-1.00}$
Reference and salience tasks	.80	.83	
Schelling and salience tasks	.84	.89	

And various kinds of proof-trees are possible,¹ though there is a limit to how deeply these things can be embedded:

$$\frac{A}{E} \frac{B \wedge C}{D}$$

However, you might also want to look at the separate avm.sty style file by Christopher Manning.

If you want the first line of a block of text following such a display not to be indented, such as when the display occurs in the middle of a paragraph, then write **\noindent** first thing at the start of the block of text.

A table is included here as well. Figures will appear at the tops of pages, and the caption is placed below the figure. Tables also appear at the tops of pages, but the caption is placed above the body of the table.

And we really need to have enough stuff to take us onto another page.

In the late autumn of 1903, Professor R. Blondlot, head of the Department of Physics at the University of Nancy, member of the French Academy, and widely known as an investigator, announced the discovery of a new ray, which he called N ray, with properties far transcending those of the x-rays. Reading of his remarkable experiments, I attempted to repeat his observations, but failed to confirm them after wasting a whole morning. ...

Fuel was added by a score of other investigators. Twelve papers had appeared in the "Comptes rendus" before the year was out. . . .

By early summer Blondlot had published twenty papers, Charpentier twenty, and J. Becquerel ten, all describing new properties and sources

 $^{^1\}mathrm{Here}$ is a footnote. Getting these proof trees to look good takes a lot of careful attention.

4 / GNU WHO

of the rays.

Scientists in all other countries were frankly skeptical, but the French Academy stamped Blondlot's work with its approval by awarding him the Lalande prize of 20,000 francs and its gold medal 'for the discovery of the N rays.'

[Excerpts from "N rays" by R. W. Wood, in R. L. Weber, A Random Walk in Science (The Institute of Physics, London) 1973. The article was, itself, a condensation of a piece in William Seabrook's Dr. Wood Modern Wizard of the Laboratory (Harcourt Brace) 1941. I chose this piece in response to the reports of the discovery "cold fusion" in Utah.]

References

Seabrook, William. 1941. Dr. Wood, Modern Wizard of the Laboratory. New York: Harcourt, Brace & Co.

Wood, Robert W. 1973. N rays. In R. L. Weber and E. Mendoza, eds., A Random Walk in Science. London: The Institute of Physics.

$\mathbf{2}$

Continuing On

CHRISTINE S. LIPUBS

This will be the second numbered chapter of the book. The following will help to fill up some space.

2.1 Some Stuff Again

One can do definitions, theorems, and so forth, as follows.

Definition 1 (A, C, \cdot) is a X-form system if A is a class, $C : A \to PX$ and for each $a \in A$, if $\sigma : Ca \to X$ then $\sigma \cdot a \in A$ such that

- $C(\sigma \cdot a) = \{\sigma x \mid x \in Ca\},\$
- $\sigma \cdot a = a$ if $\sigma x = x$ for $x \in Ca$,
- $\sigma' \cdot (\sigma \cdot a) = (\sigma' \circ \sigma) \cdot a$ if $\sigma' : C(\sigma \cdot a) \to X$

Definition 2 (A, C, \cdot) is a *(elementary) universe* if it is an A-form system.

Theorem 1 For every ontology U there is a wf(af) U-universe. Moreover it is unique up to isomorphism.

Proof. Well, the proof is left to the reader. Just follow the definitions and hack it out. $\hfill \Box$

Besides definitions and theorems, you can have axioms, lemmas, propositions, examples, and other types of formal mathematical statements.

2.2 Some Other Stuff Again

After LATEXing these files, the indexing information will be recorded in a file book.idx. This index data can be massaged into something that can later be included as an index, using the makeindex program (ask

5

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FIGURE 1 A Bunch of Overlapping Circles and Some Other Stuff: An Example of a Figure with A Long Caption

your local $\ensuremath{\text{LATEX}}$ expert about it) plus some hands-on work. The $\ensuremath{\text{LATEX}}$ manual explains how this works.

Chapter bibliographies will be produced as References sections by IATEX's BibTeX program in cooperation with the chapterbib.sty and natbib.sty packages. Check out the corresponding comments in example.tex and natbib.summary along with the IATEX manual. For example, we now cite Kripke 1972, which is completely irrelevant here but demonstrates the bibliography citation mechanism. If nothing else were cited then this chapter's References section would contain just that one entry. Additional entries are included in this chapter's References without being explicitly cited in the text, thanks to the \nocite{} command. The file example-ch02/ch02.bib has many possible bibliography entries, but only those that are cited (or "nocited") will appear in the References section at the and of this chapter.

Also, an example of a figure is included here. Figures will appear at the tops of pages, and the caption is placed below the figure. Tables also appear at the tops of pages, but the caption is placed above the body of the table.

2.3 Typewriter characters in cslipubs-extra.sty

The package cslipubs-extra.sty also includes some characters normally unavailable in the typewriter fonts of \texttt{} or \ttfamily. Any \$math\$ mode meanings of the following commands are unaffected. Yes, \sim and \tilde are redundant on purpose.

Command	Character	Example	(\$math\$ mode)
\backslash	\	$\backslash/$	(\/)
\caret	^	10^2	none
\lbrace	{	{100	({100)
\rbrace	}	100}	$(100\})$
\sim	~	~1	(~ 1)
\tilde	~	~1	(Ĩ)

References / 7

References

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- Kaplan, David. 1989. Demonstratives: An Essay on the Semantics, Logic, Metaphysics, and Epistemology of Demonstratives and Other Indexicals. In J. Almog, J. Perry, and H. Wettstein, eds., *Themes from Kaplan*, pages 481–614. New York: Oxford University Press.
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August 31, 2006

Index

autumn, 3 AVMs, 2

Becquerel, 3 bibliographies, 6 Blondlot, 3, 4

Charpentier, 3

displayed sentences, 2 [DRAFT] option, 1

enumeration, 2

 $\begin{array}{l} \texttt{[FINAL] option, 1} \\ \texttt{footnotes, 3} \end{array}$

index flags, 5 makeindex, 5

 $\NOTE{}, 1$

paragraph indentation, 3 peas, 2 porridge, 2 proof trees, 3

References, 6

theorems, 5 typewriter characters, 6

universe well-founded, 5 Weber, 4 Wood, 4