

DATASET VERSIONING THROUGH CHANGELOG ANNOTATION

By

Benno Lee

Prepared for:

Peter Fox, Thesis Advisor

Jim Hendler, Advisor

Deborah MacGuinness, Member

Beth Plale, Member

Rensselaer Polytechnic Institute
Troy, New York

November 2016
(For Graduation December 2017)

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ACKNOWLEDGMENT

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ABSTRACT

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CHAPTER 1

INTRODUCTION

Versioning information is widespread across devices and software in the modern world. From the numbering of the latest smart phone to the patchnumber of the newest release of MATLAB, scientists must deal with a range of labels and formats when performing their research. Science data, likewise, also has a tendency to change.

Agencies and research groups have collected new data at an incredible rate. The amount of data housed by NASA quadrupled from 2001 to 2004 [4] and high energy physics labs can generate on the order of 4000 new datasets every day [5].

Many different views of versioning has appeared in the literature. When Barkstrom and various other experts refer to data versioning, they are actually referring to data provenance.

This is a sentence to take up space [1]. This is a sentence to take up space and look like text. This is a sentence to take up space and look like text.

Please refer to Figure 1.1.

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Figure 1.1: This is the Caption for Figure 1 make it long to illustrate how it looks when wrapped around to the next line

Table 1.1: This is the Caption for Table 1[1]

Here's	an	example
of	a	table
floated	with	the
<code>table</code>	environment	command.

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1.1 This is a Section Heading

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1.1.1 This is a Subsection Heading

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1.1.1.1 This is a Subsubsection Heading

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¹Here's the text of the footnote.

CHAPTER 2

THIS IS THE SECOND CHAPTER

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This is shown in table 2.1.

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Figure 2.1: This is the Caption for the First Figure in Chapter 2. It is a long, long caption; we do not want to put the whole thing in the List of Figures. A Shorter Caption can go in the square brackets.

Table 2.1: This is the Caption for Table 2

Here's	another	example
of	a	table
floated	with	the
<code>table</code>	environment	command.

2.1 This is a Section Heading

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2.1.1 This is a Subsection Heading

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This is a sentence to take up space and look like text. This is a sentence to take up space and look like text. Text before another footnote.³ Text after the footnote. This is a sentence to take up space and look like text.

²Here's the text of the footnote.

³Here's the text of the footnote.

REFERENCES

- [1] This is the first item in the Bibliography. Let's make it very long so it takes more than one line. Let's make it very long so it takes more than one line. Let's make it very long so it takes more than one line. Let's make it very long so it takes more than one line.
- [2] The second item in the Bibliography.
- [3] Another item in the Bibliography.
- [4]
- [5]

APPENDIX A

THIS IS AN APPENDIX

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A.1 A Section Heading

This is how equations are numbered in an appendix:

$$x^2 + y^2 = z^2 \tag{A.1}$$

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APPENDIX B

THIS IS ANOTHER APPENDIX

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