

ANALYSIS ON SOME DATA USING SOME TECHNIQUE

A Dissertation Presented for the
Doctor of Philosophy
Degree
The University of Tennessee, Knoxville

Student A. Name
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ABSTRACT

The content of the abstract is determined by the student and committee, the following information is appropriate: (1) a short statement concerning the area of investigation, (2) a brief discussion of methods and procedures used in gathering the data, (3) a condensed summary of the findings, and/or (4) conclusions reached in the study.

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TABLE OF CONTENTS

CHAPTER 1: INTRODUCTION	1
1.1 A Section multiple lines	1
1.1.1 A subsection	2
1.1.2 Another subsection	2
1.2 Multipart figures.....	2
CHAPTER 2: EXPERIMENTS	4
2.1 Details	5
CHAPTER 3: RESULTS	6
3.1 Plots.....	6
CHAPTER 4: CONCLUSIONS	7
4.1 Future Work	7
LIST OF REFERENCES	8
APPENDICES	11
A Safety	12
B SIMD	13
VITA	14

LIST OF TABLES

Table 1-1. Table with multiple rows 2

Table 3-1. Table with multiple rows 6

LIST OF FIGURES

Figure 1-1.	UT thesis template folder structure	1
Figure 1-2.	Geometric shapes	2
Figure 2-1.	UT thesis template folder structure	4
Figure 3-1.	Geometric shapes	6

LIST OF ABBREVIATIONS

AAA	American Anthropology Association
APA	American Psychological Association
IEEE	Institute of Electrical and Electronics Engineers
AI	Artificial intelligence
CNN	Convolutional neural networks
SaaS	Software as a service
R&D	Research and development
UTK	University of Tennessee, Knoxville

LIST OF SYMBOLS

ϕ_p	Horizontal stress
β	Angle between the normal and horizontal planes
π	Pi
i	Imaginary unit
P_2	Universal parabolic constant
t_i	Time at step i
$\Delta\mu$	Change in energy

CHAPTER 1

INTRODUCTION

This is a guide to an unofficial thesis/dissertation template for the University of Tennessee. It is based on the 2017 *Guide to the Preparation of Theses and Dissertations* but can be easily altered as the guidelines are changed. This template requires a basic knowledge of \LaTeX and should cover the basic requirements in terms of required packages and functionality for the University of Tennessee. **This is a note with custom color.** **This is a note with default color.** Figures should have at least 1.5in between text.

Not sure when website specifications incomprehensibilities were updated.

This is a margin note used during revisions, not the final draft.

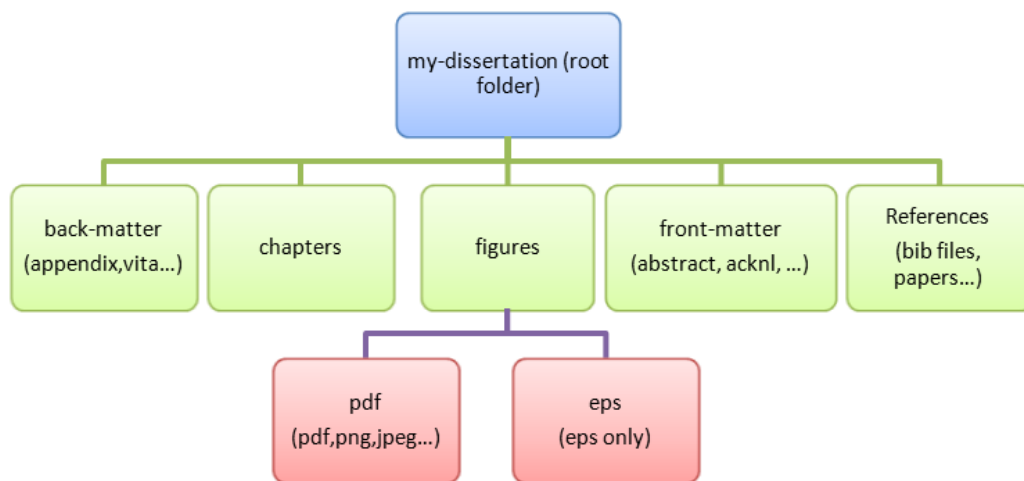


Figure 1-1. UT thesis template folder structure. The main LaTeX file and BibTeX file are in the top directory. All other files are placed in any of the four folders (back-matter, chapters, figures, front-matter).

The general structure of this template is based on the tree shown in [Figure 1-1](#). The titles of the folders are self descriptive and should guide you to proper file placement. Note that this is only a suggested model that could be modified to fit your own organizational structure.

1.1 A Section multiple lines

This is a paragraph found in a section part.

1.1.1 A subsection

This is a paragraph found in a subsection part. For more information, check: http://en.wikibooks.org/wiki/LaTeX/Floats,_Figures_and_Captions

1.1.2 Another subsection

This is a paragraph found in another subsection part.

1.1.2.0 A subsubsection

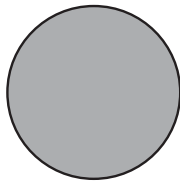
This is a paragraph found in a subsubsection part.

1.1.2.0 A second subsubsection

This is a paragraph found in another subsubsection part. Refer to [section A.1](#) in [Appendix A](#) for further information.

1.2 Multipart figures

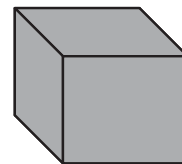
This is a paragraph found in another section part.



(a) Circle



(b) Rectangle



(c) Cube

Figure 1-2. Geometric shapes, each presented as a subfigure. (a) is a circle, (b) is a rectangle, and (c) is a cube.

For multipart figures (e.g., [Figure 1-2b](#)), you need to use the package “subcaption”.

Table 1-1. A multirow table example.

col1	col2	col3
Multiple rows	cell2	cell3
	cell5	cell6
	cell8	cell9

Discussing some analysis results from [Table 1-1](#). Use cref for multiple references [Figures 1-2a](#) to [1-2c](#). It all started at [section 1.1](#) and never ended ...

CHAPTER 2

EXPERIMENTS

This is a citation [1]. This is a very short guide to an unofficial thesis/dissertation template for the University of Tennessee¹. It is based on the 2017² thesis specifications but can be easily altered as the guidelines are changed. This template requires a basic knowledge of L^AT_EX and should cover the basic requirements in terms of required packages and functionality.

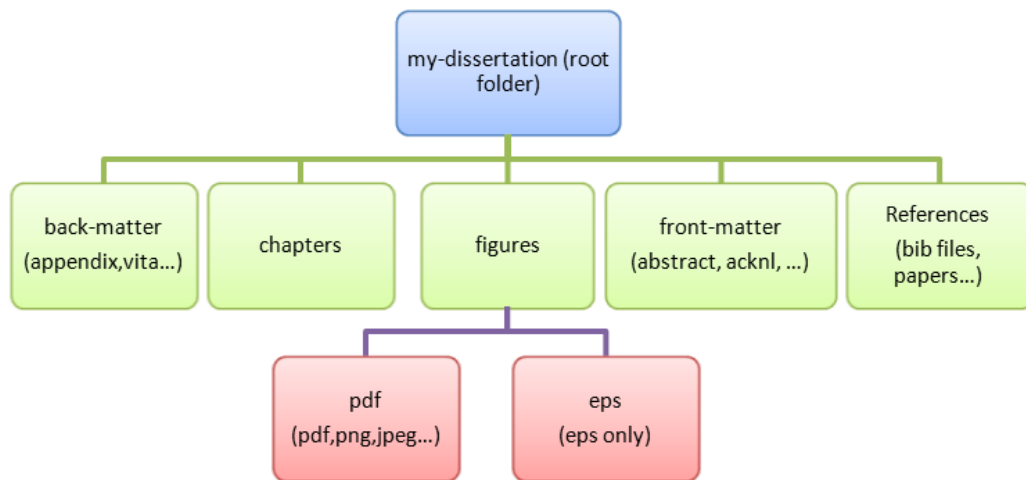


Figure 2-1. UT thesis template folder structure. The main LaTeX file and BibTeX file are in the top directory. All other files are placed in any of the four folders (back-matter, chapters, figures, front-matter).

Again, in [Figure 2-1](#) is the folder structure.

¹UTK is a public university in Knoxville, TN

²The 2017 template was based on a 2016 template

2.1 Details

$$die\ yield = wafer\ yield \times \frac{1}{\left(1 + \frac{defects\ per\ unit\ area \times die\ area}{N}\right)^N} \quad (2.1)$$

Use the die yield model to obtain [equation \(2.1\)](#). For multiple references use `cref` [equations \(2.1\)](#) and [\(2.1\)](#).

My life summary is found in [Chapter B.1](#).

This are multiple citations [[2](#), [3](#), [4](#), [5](#)]. This is a citation [[6](#)]. This is a citation [[7](#)]. This is a citation [[8](#)]. This is a citation [[9](#)]. This is a citation [[10](#)]. This is a citation [[11](#)]. This is a citation [[12](#)]. This is a citation [[13](#)]. This is a citation [[14](#)]. This is a citation [[15](#)]. This is a citation [[16](#)].

CHAPTER 3

RESULTS

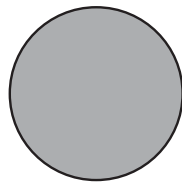
This is more text, see [\[17\]](#).

Table 3-1. A multirow table example.

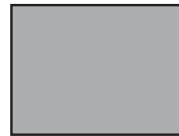
col1	col2	col3
Multiple rows	cell2	cell3
	cell5	cell6
	cell8	cell9

Discussing some analysis results from [Table 3-1](#).

3.1 Plots



(a) Circle



(b) Rectangle

Figure 3-1. Geometric shapes, each presented as a subfigure. (a) is a circle and (b) is a rectangle

For multipart figures (e.g., [Figure 3-1](#)), you need to use the package “subcaption”.

CHAPTER 4

CONCLUSIONS

This is the last chapter and we can reference previous chapters, for example, [Chapter 1](#) provided the introduction.

4.1 Future Work

A lot more can be done.

LIST OF REFERENCES

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- [16] E. Ponce, “Session chair at the 2nd International Conference on Software Technology and Engineering (ICSTE’10), San Juan, PR,” Oct 2010.
- [17] H. Anzt, E. Ponce, G. D. Peterson, and J. Dongarra, “GPU-accelerated co-design of induced dimension reduction: Algorithmic fusion and kernel overlap,” in *Proceedings of the 2nd International Workshop on Hardware-Software Co-Design for High Performance Computing (Co-HPC’15)*, ACM, 2015.

APPENDICES

APPENDIX A

SAFETY

Here is a math equation: $y = mx + b$
The above equation represents a line.

A.1 An appendix section

This is a section in Appendix A.

A.1.1 An appendix subsection

This is a subsection in Appendix A.

A.1.1.0 An appendix subsubsection

This is a subsubsection in Appendix A.

A.1.1.0 Another appendix subsubsection

This is another subsubsection in Appendix A.

APPENDIX B

SIMD

This is another appendix for testing format.

B.1 Another section

This is a section in Appendix B.

VITA

The vita should be written in narrative form, not resume or curriculum vitae form. It should contain appropriate academic and professional information about the author/student. Personal information, such as the student's address or phone number, should not be included.