

# **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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# **PREFACE**

A personal statement about the purpose and scope of the thesis/dissertation could be included in the preface. The tone of the preface, however, must be academic and appropriate to scholarly work. This page is optional.

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## **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

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

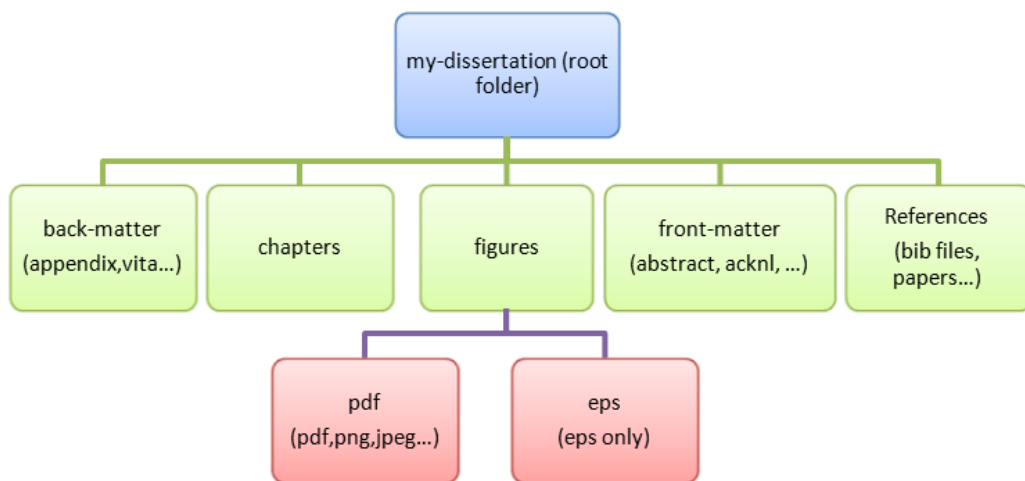
# CHAPTER 1

## 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  $\text{\LaTeX}$  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](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

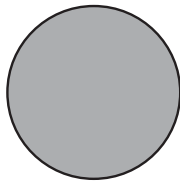
This is a paragraph found in a subsubsection part.

#### 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

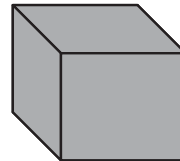
This is a paragraph found in another section part.



(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.

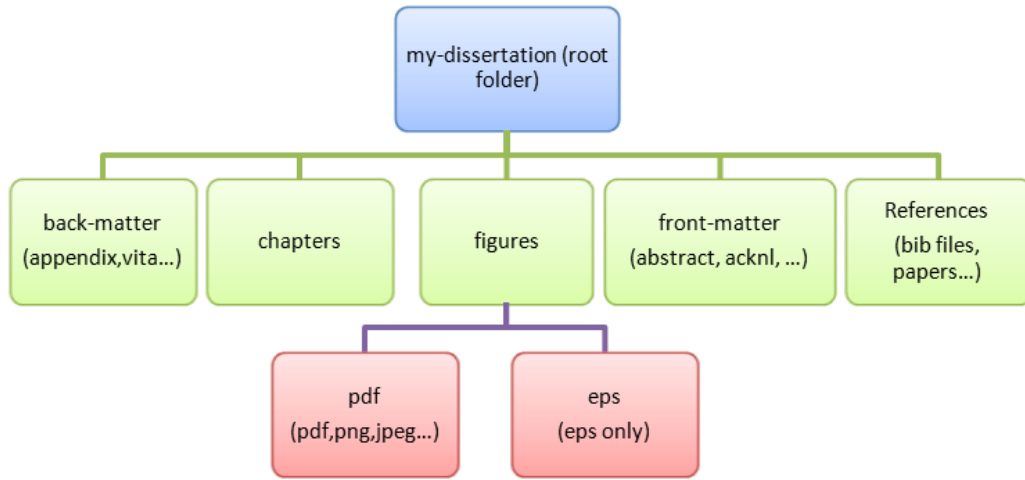
col1	col2	col3
Multiple rows	cell2	cell3
	cell5	cell6
	cell8	cell9

Discussing some analysis results from [Table 1-1](#). 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 Tennessee<sup>1</sup>. It is based on the 2017<sup>2</sup> thesis specifications but can be easily altered as the guidelines are changed. This template requires a basic knowledge of  $\text{\LaTeX}$  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.

### 2.1 Details

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

<sup>1</sup>UTK is a public university in Knoxville, TN

<sup>2</sup>The 2017 template was based on a 2016 template

Use the die yield model to obtain [equation 2.1](#).

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

This is a citation [\[2\]](#). This is a citation [\[3\]](#). This is a citation [\[4\]](#). This is a citation [\[5\]](#).  
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

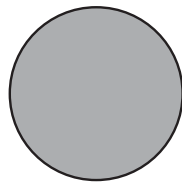
This is more text, see [\[17\]](#).

**Table 3-1.** A multirow table example.

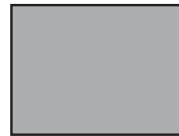
col1	col2	col3
Multiple rows	cell2	cell3
	cell5	cell6
	cell8	cell9

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 2<sup>nd</sup> 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 2<sup>nd</sup> 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.