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2018 년 2 월

서울대학교 대학원

산업공학과

홍 길 동

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석사학위논문 한글제목

지도교수 조 성 준

이 논문을 공학석사 학위논문으로 제출함

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Abstract

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In this dissertation, ...

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Chapter 1

Introduction

This guide is made for graduates who are unfamiliar with graduate thesis latex templates. I added some tips to reduce working time and use latex more conveniently.

Chapter 2

Tips

2.1 Image Insertion

It is convenient to create a folder named 'figure' for image insertion. Once the tex file is compiled, a lot of dirty files will be created, therefore, it is quite messy without specific image folder.

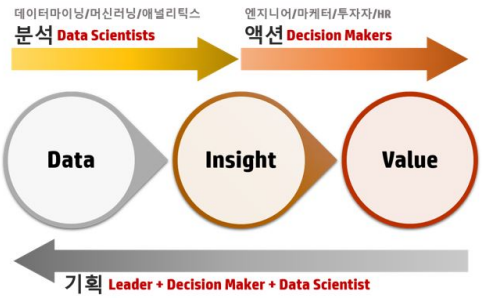

Figure 2.1: Data, Insight, Value

2.2 Table insertion

2.2.1 Basic

`https://www.tablesgenerator.com/latex_tables` creates the most basic template!

2.2.2 Advanced

The most annoying part of latex work is table insertion. Size modification, highlights, and annotation in table are very annoying compared to Hancom, so many people turn to it. However, latex will feel much easier if you learn only the following introductions for graduation thesis.

adjustbox: It adjusts the overall size of the table. If not, a table may be generated beyond the document scope.

columncolor: It shades the entire column to emphasize the results of my model.

footnotemark and footnotetext: Inside the table, the \footnote does not work. For this reason, footnotemark and footnotetext are used. Note that the page on which the annotation exists is not always the same (...) as the table. When the footnotemark is used several times inside the table, the annotation number becomes strange. In this case, use *addtocounter*.

If you need more than this, let's do googling.

Table 2.1: Average error rate on bAbI story-based tasks with 10k training samples

Task	MemNN	MemN2N	GMemN2N	DMN	DMN+	DNC	EntNet[1]	RN[2]	RMN
1: Single Supporting Fact	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**
2: Two Supporting Facts	**0.0**	**0.3**	**0.0**	**1.8**	**0.3**	**0.4**	**2.8**	8.3	**0.5**
3: Three Supporting Facts	**0.0**	9.3	**4.5**	**4.8**	**1.1**	**1.8**	10.6	17.1	14.7
4: Two Argument Relations	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
5: Three Argument Relations	**2.0**	**0.6**	**0.2**	**0.7**	**0.5**	**0.8**	**0.4**	**0.7**	**0.4**
6: Yes/No Questions	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**0.0**	**0.0**
7: Counting	15.0	**3.7**	**1.8**	**3.1**	**2.4**	**0.6**	**0.8**	**0.4**	**0.5**
8: Lists/Sets	9.0	**0.8**	**0.3**	**3.5**	**0.0**	**0.3**	**0.1**	**0.3**	**0.3**
9: Simple Negation	**0.0**	**0.8**	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**	**0.0**	**0.0**
10: Indefinite Knowledge	**2.0**	**2.4**	**0.2**	**2.5**	**0.0**	**0.2**	**0.0**	**0.0**	**0.0**
11: Basic Coreference	**0.0**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.4**	**0.5**
12: Conjunction	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
13: Compound Coreference	**0.0**	**0.0**	**0.0**	**0.2**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**
14: Time Reasoning	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.4**	**3.6**	**0.0**	**0.0**
15: Basic Deduction	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
16: Basic Induction	**0.0**	**0.4**	**0.0**	**0.6**	45.3	33.1	52.1	**4.9**	**0.9**
17: Positional Reasoning	35.0	40.7	27.8	40.4	**4.2**	12.0	11.7	**1.6**	**0.3**
18: Size Reasoning	**5.0**	6.7	8.5	**4.7**	**2.1**	**0.8**	**2.1**	**2.1**	**2.3**
19: Path Finding	64.0	66.5	31.0	65.5	**0.0**	**3.9**	63.0	**3.2**	**2.9**
20: Agent's Motivations	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Mean error (%)	6.7	6.6	3.7	6.4	2.8	2.7	7.4	2.0	**1.2**
Failed tasks (err. >5%)	4	4	3	2	**1**	2	4	2	**1**

[1]For a fair comparison, we report EntNet's result [2] which was jointly trained on all tasks. It was written in the appendix of the paper.

[2]Our implementation. The result is different from what Santoro et al. (2017) mentioned, which is caused by the initialization [3].

Chapter 3

Reference insertion

3.1 Insert reference right before the period mark

Do not use conventional $\sim$ \cite{}.

ex: blah blah (1).

Because of ( ), I defined 'mycite' to appear reference number with [ ].

ex: blah blah [1].

3.2 Insert reference to the author name

Sometimes you need to put a reference to the author name. To do this, I defined 'myauthor'.

ex: Bishop and Nasrabadi (2006) said blah blah [1].

Bibliography

[1] Christopher M. Bishop and Nasser M. Nasrabadi. *Pattern recognition and machine learning*. Springer, New York, 2006.

[2] Mikael Henaff, Jason Weston, Arthur Szlam, Antoine Bordes, and Yann LeCun. Tracking the world state with recurrent entity networks. *arXiv preprint arXiv:1612.03969*, 2016.

[3] Adam Santoro, David Raposo, David GT Barrett, Mateusz Malinowski, Razvan Pascanu, Peter Battaglia, and Timothy Lillicrap. A simple neural network module for relational reasoning. *Advances in neural information processing systems*, 2017.

Appendix A

Appendix title 1

The appendix does not appear in the table of contents. In this case, open a .toc file (or click the table of contents page with holding ctrl) and add a line below the bibliography.

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Appendix B

Appendix title 2

국문초록

한글 요약 내용이 여기에 들어갑니다.

주요어: 서울대학교, 데이터마이닝연구실, 석사학위논문

학번: 2016-11111

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Thanks!