

THÈSE DE DOCTORAT
DE L'UNIVERSITÉ PSL

Préparée à MINES ParisTech

My Phd Template in latex.

Mon template de thèse en latex.

Soutenue par
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Le 18 Decembre 2019

École doctorale n°521
Sciences et Métiers de
l'Ingénieur

Spécialité
Bio-informatique

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Titre

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Acknowledgment

Contents

Acknowledgment	i
List of Figures	v
List of Tables	vii
1 Premise	1
1.1 Premise premise	2
1.1.1 minitoc	2
1.1.2 lipsum	2
2 What do you do if you have a really really long chapter name? well sometimes it breaks up the line and sometimes it doesn't so you have to use something called chaptermark...	5
2.1 Adding figures and horizontal captions	7
2.2 Shrinking large tables	7
3 Conclusion	9
A Figures	11
Bibliography	15
Glossary of terms, Abbreviations, Acronyms and Symbols	17

List of Figures

2.1 Just doing some publicity, but this is my dataset if you want to use it for segmentation or machine learning purposes... :D The database: [Naylor Peter(2018)], the associated paper: [Naylor <i>et al.</i> (2018)].	7
A.1 A beautiful illustration of over-fitting done with mathcha https://www.mathcha.io/	13

List of Tables

2.1 Example of a large table that whose size is adjusted with resizebox, this is the 3rd release if you were wondering how we jumped from 2 to 4 in the previous captions... 2.1a and 2.1b	8
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1

Premise

Abstract: *If your thesis is in need for english chapter abstract*

Résumé: *If your thesis is in need for french chapter abstract*

Contents

1.1 Premise premise	2
1.1.1 minitoc	2
1.1.2 lipsum	2

1.1 Premise premise

1.1.1 minitoc

Minitoc is what enables a user to have a minicontent in front of each chapter.

1.1.2 lipsum

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2

What do you do if you have a really really long chapter name? well sometimes it breaks up the line and sometimes it doesn't so you have to use something called chaptermark...

Abstract: *If your thesis is in need for english chapter abstract*

Résumé: *If your thesis is in need for french chapter abstract*

Contents

2.1	Adding figures and horizontal captions	7
2.2	Shrinking large tables	7

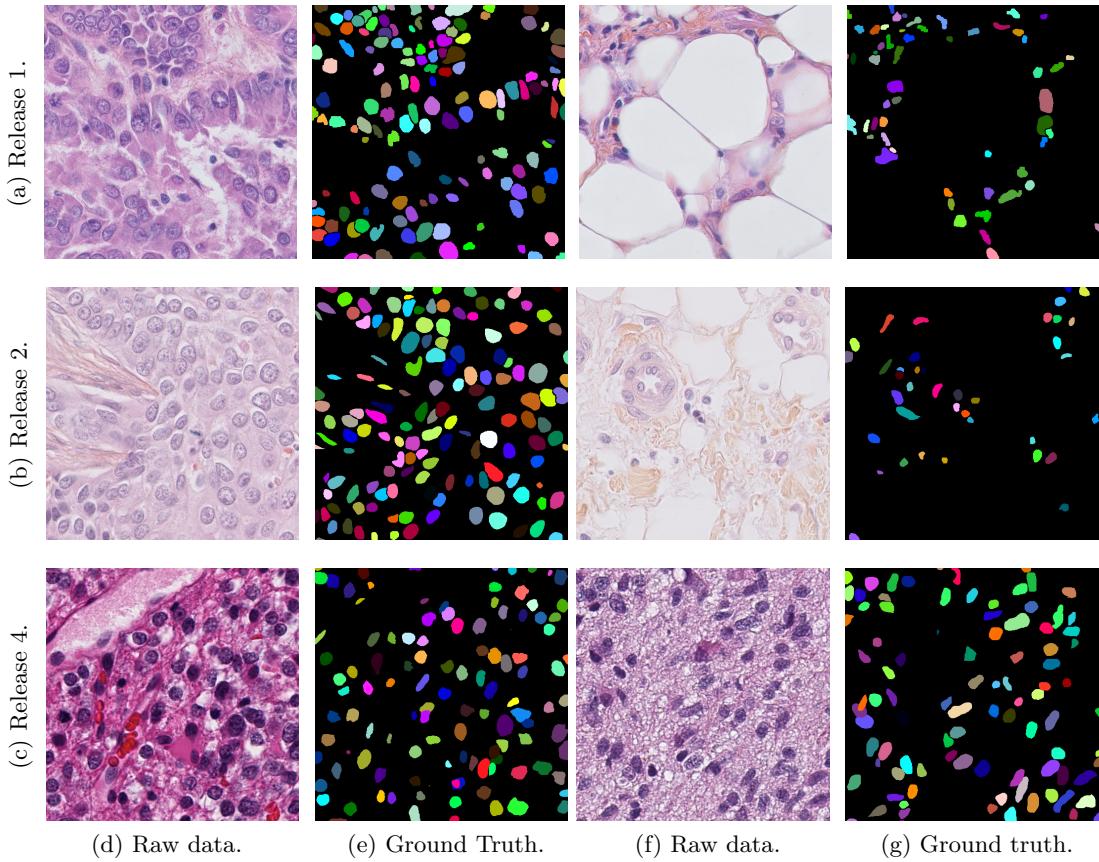


Figure 2.1: Just doing some publicity, but this is my dataset if you want to use it for segmentation or machine learning purposes... :D The database: [Naylor Peter(2018)], the associated paper: [Naylor *et al.*(2018)].

2.1 Adding figures and horizontal captions

Here I show an example where I use subfloat to position the images like on a grid but also adding horizontal caption.

2.2 Shrinking large tables

Some of the data was downloaded from the TCGA website [TCGA(2005)].

Slide number	01	02	03	04	05	06	07	08	09	10	11	12	13	14	Total
Number of patches	7	3	5	8	4	3	3	4	6	4	3	7	6	5	68
Adipocyte	0	1	0	32	0	0	0	0	5	1	0	0	0	0	39
Cancerous	243	150	133	443	306	110	48	187	178	192	141	230	274	326	2961
Endothelial	12	0	0	7	0	3	6	35	3	7	8	5	11	6	103
Epithelial	22	0	0	0	0	0	34	0	0	0	0	0	0	0	56
Fibroblast	136	8	95	92	105	85	155	5	1	9	97	0	0	0	788
Glial	0	0	0	0	0	0	0	0	0	0	0	63	46	50	159
Lympho/Plasmocyte	43	29	58	20	8	6	307	212	103	105	6	0	2	0	899
Mitosis	2	0	1	2	0	0	0	6	11	2	2	0	1	0	27
Myoepithelial	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
Necrosis	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Neurons	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9
Unknown	0	0	0	0	0	0	0	0	0	0	0	9	3	92	104
Total	458	188	287	596	419	204	555	445	301	316	254	307	346	474	5150

Table 2.1: Example of a large table that whose size is adjusted with `resizebox`, this is the 3rd release if you were wondering how we jumped from 2 to 4 in the previous captions... [2.1a](#) and [2.1b](#)

3

Conclusion

The BST is provided by M. Guige and can be found on github [[Guige\(2019\)](#)]. If you want a french bibliography you might need to modify the bst (change "and" into "et").

The style sheet was also proposed by Mathieu, but a similar can be found online. I also used Yunglong Jiao template to bring in modification to the original one [[Jiao\(2018\)](#)].

A

Figures

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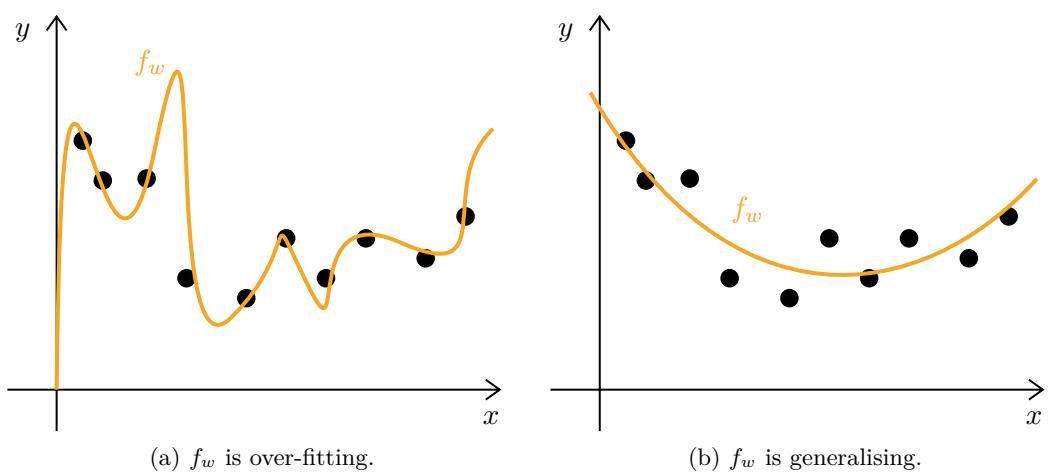


Figure A.1: A beautiful illustration of over-fitting done with mathcha <https://www.mathcha.io/>.

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- [TCGA(2005)] (2005) *The Cancer Genomic Atlas (TCGA) Research Network*.
- [Guige(2019)] M. Guige (2019), *Le mieux du monde, BST package*, Github package.
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- [Naylor *et al.*(2018)] P. Naylor, M. Laé, et al., *Segmentation of Nuclei in Histopathology Images by Deep Regression of the Distance Map*, IEEE Transactions on Medical Imaging **38** (2), 448 (2018).
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Glossary of terms, Abbreviations, Acronyms and Symbols

Acronyms

AJI Aggregated Jaccard Index

Mathmetical symbols

\mathcal{A} Input space

\mathcal{B} Label space

RÉSUMÉ

French abstract

MOTS CLÉS

French keywords

ABSTRACT

English abstract

KEYWORDS

Key words