

# The Ultimate Book

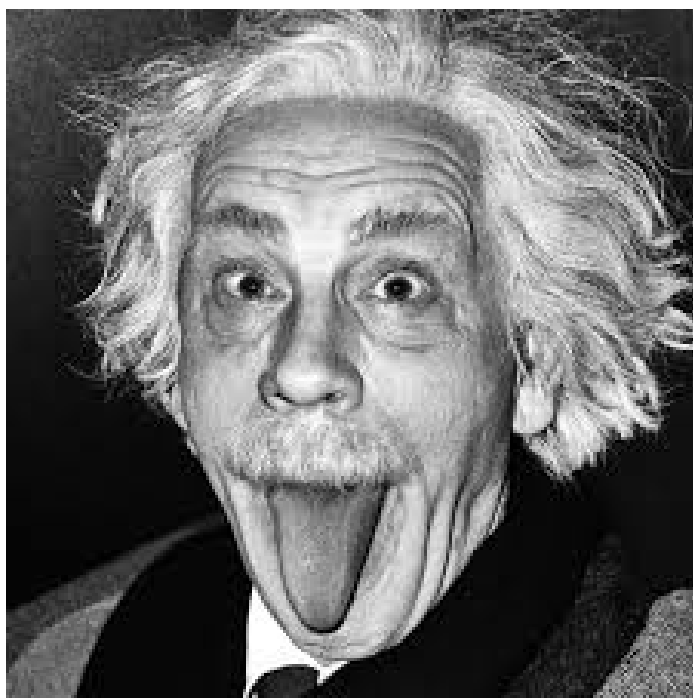
*“This is a clever quote or perhaps a dedication.”*

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# The Ultimate Book

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HEY! WHY NOT READ THIS ONE?



WILSON J. SCHMEGGLES

[—DRAFT—GRAYSCALE PRINT —]

LAST UPDATED: OCTOBER 21, 2016

2017  
YOUR PRESS

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# Preface

Here you write a nice preface that makes people really want to read your book.

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This is an illustration of the use of the HREF command. This should always be used since otherwise hyperlinks will not be properly formatted for print, PDF, and eBooks. – Google Scholar [<https://scholar.google.com>] will help.

≈

Sloboken, NJ  
October, 2016

# 1 Introduction

This is the first intro line for this book. I'll use the intro to illustrate the various features of the template. For example here is a footnote<sup>1</sup>

- A List Item
- Another List Items
- And still another one

Now, lets look at an HREF that will give us lots of trouble. When a link is long and contains characters that make LaTeX crazy (like underscores) sometimes we need to add a print form since the hyperlink format can't be used in the print-on-demand book. Here's the reference: what if the spider I killed in my home has spent his entire life thinking he was my room-mate and that suddenly I had some sort of psychotic break [[https://www.reddit.com/r/Showerthoughts/comments/3adiyt/what\\_if\\_the\\_spider\\_i\\_killed\\_in\\_my\\_home\\_has\\_spent/](https://www.reddit.com/r/Showerthoughts/comments/3adiyt/what_if_the_spider_i_killed_in_my_home_has_spent/)] — from a random reddit post.

Here's some more text<sup>2</sup>. Here I'll used some computer terms: *Bayesian networks*, *support vector machines*, an acronym: **AGI** and its definition (*Artificial General Intelligence*), so you can see how indexing works for these things.

Here's VR (*Virtual Reality* as another example.

---

Here I'll use some indexable terms from neuroscience (such as the *corpus callosum*, *arcuate fasciculus*, and the *corona radiata*). To illustrate some neuroscience abbreviations lets use the neurotransmitters **NE**, **DA**, **5HT**. Note how 5HT does not have a corresponding command name, since is not a legal LaTeX word.

So, now that we've established that this is a technical book, lets add in a citation from our book.bib. Baye's Theorem should suffice[1]. Also, since we like math, let's cite[2].

---



(a) A flower



(b) Another flower

Figure 1.1: Some Stupid Flowers

## 1.1 Some Fiddling with LaTeX

The set of real numbers is represented by a blackboard bold capital R:  $\mathbb{R}$ . The set of complex numbers is represented by a blackboard bold capital C:  $\mathbb{C}$ .

Look at the following formula:

$$K_B T_k = Dexp \left\{ -\frac{1}{2N(E_F)|J|} \right\} \quad (1.1)$$

where  $Dexp$  is a long sentence guaranteed to take us over the end of this line and well into the next. See, it looks fine.

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This is the end of the chapter. And so it goes.





## 2 Example Body

### 2.1 The First Section

Here is some copy for your book<sup>1</sup>.

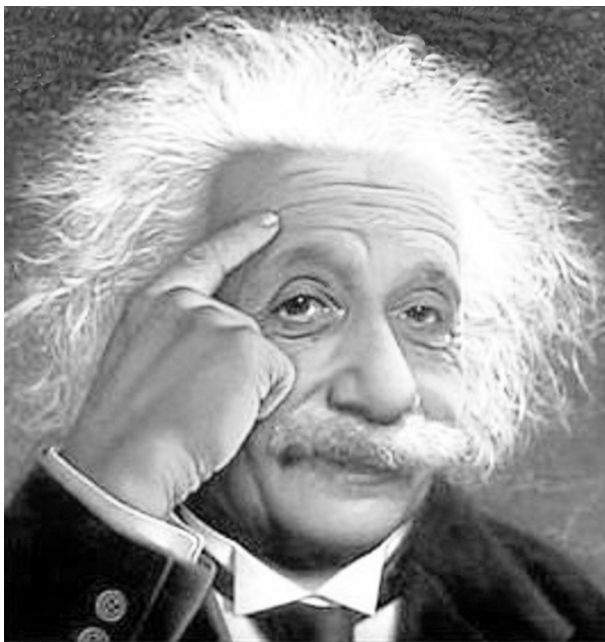


Figure 2.1: Albert

Notice how this figure is in black and white when the book.tex is formatted, but color in the eBook and PDFs.

Here is a simple indexed term. And here I use the permuted index operator Indexed Thingy, although you can also have a different index name if you need it: Indexed Thingy2.

## An Unnumbered Section

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eu neque quis pede dignissim ornare. Maecenas eu purus ac urna tincidunt congue.

Here we'll illustrate some more indexing commands. **A Company Name** will be added to the Index (see `zzInit.tex`) as both the name alone, and under the Companies index section. You can also do *My Movie Name* as a file, and *The Cool Project* project names. Heres a final end note<sup>2</sup>, and one more citation [3].



## Notes

### Chapter 1 — Introduction

<sup>1</sup>♪- This endnote starts and ends with a musical note, but only on platforms that support them. ♪

<sup>2</sup>And here's another end note

### Chapter 2 — Example Body

<sup>1</sup>Here is a footnote about this copy

<sup>2</sup>This is the last one





# Bibliography

- [1] Thomas Bayes. An essay toward solving a problem in the doctrine of chances. *Philosophical Transactions of the Royal Society of London*, 53:370–418, 1763. Communicated by R. Price, in a letter to J. Canton.
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- [3] Tomas Pfister, J Charles, and A Zisserman. Large-scale Learning of Sign Language by Watching TV (Using Co-occurrences). *Proceedings of the British Machine Vision Conference*, pages 1–11, 2013.



# Authors Cited

Bayes, Thomas 1

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## **All Abbreviations and Terms**

**5HT** [Serotonin] a monoamine neurotransmitter

**AGI** Artificial General Intelligence

**DA** [Dopamine] Primary driver of the striatum; a catecholamine neurotransmitter.

**NE** [Norepinephrine] A catecholamine neurotransmitter; also known as noradrenaline.

**VR** Virtual Reality

## **Nomenclature**

### **Abbreviations (Computation)**

**AGI** Artificial General Intelligence

**VR** Virtual Reality

### **Abbreviations (Neuroscience)**

**5HT** [Serotonin] a monoamine neurotransmitter

**DA** [Dopamine] Primary driver of the striatum; a catecholamine neurotransmitter.

**NE** [Norepinephrine] A catecholamine neurotransmitter; also known as noradrenaline.