

Authors Here

# **PL4DS Shannon Book**

September 2019

**Publisher**

*Book dedication goes here.*



# Foreword

foreword, if applicable, goes here.

Place, month year

*Firstname Surname*



# Preface

preface (preliminary statement about origin, scope, purpose, plan, and intended audience), if applicable, goes here.

Place(s),  
month year

*Firstname Surname*  
*Firstname Surname*



## **Acknowledgements**

Acknowledgements, if applicable, go here.





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## List of Acronyms

A list of Acronyms, if needed, goes here.

**API**    Application Programming Interface

**HTTP**   HyperText Transfer Protocol

**TCP**    Transmission Control Protocol



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**Part I**  
**Part Title**

This is an optional part title page that can contain a Part description of max. 1 page.

# Contribution Title

Name of First Author and Name of Second Author

**Abstract** Each chapter should be preceded by a short abstract that summarizes the content.

## 1 Section Heading

Please note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

That is, this line right here.

## 2 Section Heading

Use the standard `equation` environment to typeset your equations, e.g.

$$a \times b = c , \quad (1)$$

however, for multiline equations you might use the `eqnarray` environment.

$$|\nabla U_\alpha^\mu(y)| \leq \frac{1}{d-\alpha} \int \left| \nabla \frac{1}{|\xi-y|^{d-\alpha}} \right| d\mu(\xi) = \int \frac{1}{|\xi-y|^{d-\alpha+1}} d\mu(\xi) \quad (2)$$

$$= (d-\alpha+1) \int_{d(y)}^{\infty} \frac{\mu(B(y,r))}{r^{d-\alpha+2}} dr \leq (d-\alpha+1) \int_{d(y)}^{\infty} \frac{r^{d-\alpha}}{r^{d-\alpha+2}} dr \quad (3)$$

---

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## 2.1 Subsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Further on please use the  $\LaTeX$  automatism (ref, cite, etc.) for all your cross-references and citations.[?]

### 2.1.1 Subsubsection Heading

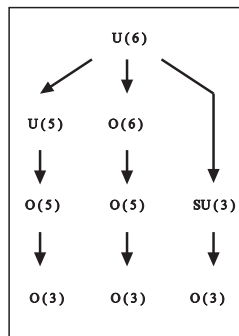
Simply use the `quotation` environment for quotations – it will automatically be rendered in line with the preferred layout.

For figures use the default `figure`.

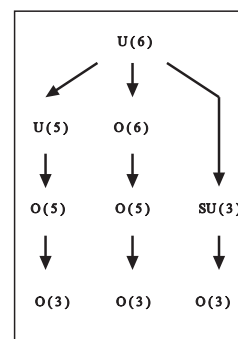
#### Paragraph Heading

For typesetting numbered lists we recommend to use the `enumerate` environment – it will automatically rendered in line with the layout.

1. Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
  - a. Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
  - b. Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
2. Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.



**Fig. 1** Figure with default placement

**Fig. 2** Figure with column placement**Table 1** Please write your table caption here

Classes	Subclass	Length	Action Mechanism
Translation	mRNA <sup>a</sup>	22 (19–25)	Translation repression, mRNA cleavage
Translation	mRNA cleavage	21	mRNA cleavage
Translation	mRNA	21–22	mRNA cleavage
Translation	mRNA	24–26	Histone and DNA Modification

<sup>a</sup> Table foot note (with superscript)*Subparagraph Heading*

For unnumbered list we recommend to use the `itemize` environment – it will automatically be rendered in line with the layout.

- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development, cf. Table 1.
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  - Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.
- Livelihood and survival mobility are oftentimes coutcomes of uneven socioeconomic development.

**Run-in Heading Boldface Version** Use the  $\LaTeX$  automatism for all your cross-references and citations as has already been described in Sect. 2.1.

**Run-in Heading Boldface and Italic Version** Use the  $\LaTeX$  automatism for all your cross-references and citations as has already been described in Sect. 2.1.

**Run-in Heading Displayed Version**

Use the  $\LaTeX$  automatism for all your cross-references and citations as has already been described in Sect. 2.1.

Use the `\index{}` command to code your index words.

For tables use **tabular** or **tabularx**.



### 3 Section Heading

If you want to list definitions or the like we recommend to use the enhanced description environment – it will automatically rendered in line with the layout.

- Type 1 That addresses central themes pertaining to migration, health, and disease. In Sect. 1, Wilson discusses the role of human migration in infectious disease distributions and patterns.
- Type 2 That addresses central themes pertaining to migration, health, and disease. In Sect. 2.1.1, Wilson discusses the role of human migration in infectious disease distributions and patterns.

#### 3.1 Subsection Heading

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Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

If you want to emphasize complete paragraphs of texts we recommend to use the newly defined class option `graybox` and the newly defined environment `svgraybox`. This will produce a 15 percent screened box 'behind' your text.

If you want to emphasize complete paragraphs of texts we recommend to use the newly defined class option and environment `svgraybox`. This will produce a 15 percent screened box 'behind' your text.

### 3.1.1 Subsubsection Heading

**Theorem 0.1** *Theorem text goes here.*

**Problem 0.1** You can place a problem here.

**Problem 0.2** Another problem here.

**Solution 0.1** And its solution here.

**Definition 0.1** Definition text goes here.

***Proof*** Proof text goes here.

### Paragraph Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Further on please use the  $\LaTeX$  automatism for all your cross-references and citations as has already been described in Sect. 2.

Note that the first line of text that follows a heading is not indented, whereas the first lines of all subsequent paragraphs are.

**Theorem 0.2** *Theorem text goes here.*

**Definition 0.2** Definition text goes here.

***Proof*** Proof text goes here. □

### Trailer Head

If you want to emphasize complete paragraphs of texts in an `Trailer Head` we recommend to use

```
\begin{trailer}{Trailer Head}
...
\end{trailer}
```

---

### ? Questions

If you want to emphasize complete paragraphs of texts in an `Questions` we recommend to use

```
\begin{question}{Questions}
...
\end{question}
```

---

**> Important**

If you want to emphasize complete paragraphs of texts in an **Important** we recommend to use

```
\begin{important}{Important}
...
\end{important}
```

---

**! Attention**

If you want to emphasize complete paragraphs of texts in an **Attention** we recommend to use

```
\begin{warning}{Attention}
...
\end{warning}
```

---

If you want to emphasize complete paragraphs of texts in an **Program Code** we recommend to use **programcode** or, more sophisticated, the listings package.

**Program Code**

```
\begin{programcode}{Program Code}
\begin{verbatim}...\end{verbatim}
\end{programcode}
or the listings package:
\begin{lstlisting}[options] ... \end{lstlisting}
```

---

```
println("this is listing code");
```

**Listing 1** Sample Java Code

**Tips**

If you want to emphasize complete paragraphs of texts in an **Tips** we recommend to use

```
\begin{tips}{Tips}
...
\end{tips}
```

---

### Overview

If you want to emphasize complete paragraphs of texts in an **Overview** we recommend to use

```
\begin{overview}{Overview}
...
\end{overview}
```

---

### Background Information

If you want to emphasize complete paragraphs of texts in an **Background Information** we recommend to use

```
\begin{backgroundinformation}{Background Information}
...
\end{backgroundinformation}
```

---

### Legal Text

If you want to emphasize complete paragraphs of texts in an **Legal Text** we recommend to use

```
\begin{legalttext}{Legal Text}
...
\end{legalttext}
```

---

**Acknowledgements** If you want to include acknowledgments of assistance and the like at the end of an individual chapter please use the `acknowledgement` environment – it will automatically be rendered in line with the layout.

## Appendix

You can place your appendix here, if needed. Note that you should not use the `\appendix` comment, because it will continue numeric instead of alphabetical numbering from the main content. Alphabetical numbering is reserved for the global appendix. Use the starred versions of the section commands to suppress ongoing

numbering. If you need multiple appendixes, name them "Appendix 1", "Appendix 2", and so on.

$$a \times b = c \quad (4)$$



## Appendix A

### Chapter Heading

The global appendix of the book goes here.

#### A.1 Section Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Further on please use the  $\LaTeX$  automatism (cite, ref, etc.) for all your cross-references and citations.

##### A.1.1 Subsection Heading

Instead of simply listing headings of different levels we recommend to let every heading be followed by at least a short passage of text. Further on please use the  $\LaTeX$  automatism for all your cross-references and citations as has already been described in Sect. A.1.

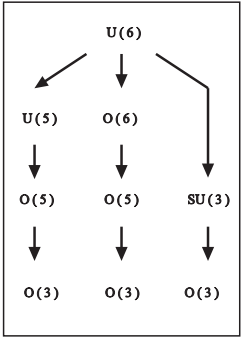
For multiline equations we recommend to use the `eqnarray` environment.

$$\begin{array}{l} \mathbf{a} \times \mathbf{b} = \mathbf{c} \\ \mathbf{a} \times \mathbf{b} = \mathbf{c} \end{array} \quad (\text{A.1})$$

##### A.1.1.1 Subsubsection Heading



**Fig. A.1** Please write your figure caption here



**Table A.1** Please write your table caption here

Classes	Subclass	Length	Action Mechanism
Translation	mRNA <sup>a</sup>	22 (19–25)	Translation repression, mRNA cleavage
Translation	mRNA cleavage	21	mRNA cleavage
Translation	mRNA	21–22	mRNA cleavage
Translation	mRNA	24–26	Histone and DNA Modification

<sup>a</sup> Table foot note (with superscript)

# Glossary

Use this for a global glossary, if applicable.

**glossary term** Write here the description of the glossary term. Write here the description of the glossary term. Write here the description of the glossary term.

**glossary term** Write here the description of the glossary term. Write here the description of the glossary term. Write here the description of the glossary term.

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