Certificate Course

Sceintific Writing in LaTeX

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Well, I couuld go on explaining what LaTeX is or get into it right away. I thinks its a bit late already, so without any further delay here is the plan for the course.

What will you learn?

- Efficient and effective document writing in LaTeX
- Inclusion and management of figures
- How to create and format tables
- Management of titles, sections and subsection
- Usage of mathematical equations
- Different way of listing in documents
- Automate creation of table of contents Referencing sections, tables, figures and equations within text

Running outline of the course is as follows. Hopefully we will finish it by 22nd August

Introduction

- Lesson 1: Installation of dependencies
- Lesson 2: Overview of the Integrated Development Interface used in this course
- Lesson 3: My first LaTeXdocument

Main Document Title

- Lesson 4: How to include the main title of the document
- Lesson 5: How to modify author name, style and date

Sections and Subsections

- Lesson 6: How to divide text into sections and subsections
- Lesson 7: How to refer to sections within the document

Lists

- Lesson 8: Bullet point list
- Lesson 9: Numbered list

Mathematical Equations

- Lesson 10: How to include external packages
- Lesson 11: Include maths within text
- Lesson 12: Non-inline mathematical equations
- Lesson 13: Fractions
- Lesson 14: Formatting and powers
- Lesson 15: Square root and the sum symbol

Image Figures

- Lesson 16: Adding my first image to the document
- Lesson 17: Modifying size and alignment of the image
- Lesson 18: Caption
- Lesson 19: Referring to figures within text and last adjustments

Tables

- Lesson 20: My first table in LaTeXand text alignment within table
- Lesson 21: Vertical and horizontal lines of tables
- Lesson 22: Formatting table; captions, labels, cantering

Table of Contents

Lesson 23: How to create contents