CSE 200: Technical Writing and Presentation. Online 1

24 September, 2024

1 Text Formatting

You can format text in multiple ways in LaTeX:

- **Bold text**: For emphasizing important words.
- *Italicized text*: Commonly used for names of books, papers, or emphasis.
- <u>Underlined text</u>: Useful for highlighting.
- Colored text: Color can be applied to any text for emphasis or visual interest.
- ~~Strikethrough text~~: Used to indicate deletion or change.

2 Nested Lists with Different Bullets and Numbering

Below is an example of nested lists with different bullet and numbering styles:

1 First level

    a. Second level with letters

        i. Third level with Roman numerals

            • Fourth level with bullet points

                – Fifth level with dashes

2 Another first level item

3 Equations

LaTeX excels in typesetting complex mathematical equations. The equations to be implemented are shown in projector/screen.

4 Table

Tables in LaTeX can be enhanced using multi-column and multi-row cells. The table to be implemented is shown in projector/screen.

5 Subfigures

You can use subfigures to include multiple images within the same figure environment. For example, see figure 1.

(a) Image 1

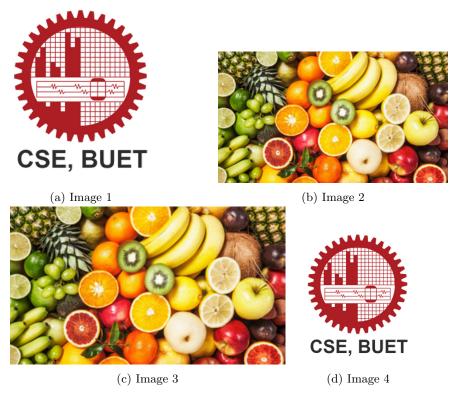(b) Image 2

(c) Image 3

(d) Image 4

Figure 1: Four Images

6 Referencing

A very popular method of phylogenetic tree estimation is Astral (Mirarab et al. 2014). Another equally or better performing method is wqfm (Mahbub et al. 2021), developed in our department.

References

Mirarab, S. et al. (Aug. 2014). "ASTRAL: genome-scale coalescent-based species tree estimation". In: *Bioinformatics* 30.17, pp. i541–i548. ISSN: 1367-4803. DOI: 10.1093/bioinformatics/btu462. URL: https://doi.org/10.1093/bioinformatics/btu462.

Mahbub, Mahim et al. (June 2021). "wQFM: highly accurate genome-scale species tree estimation from weighted quartets". In: *Bioinformatics* 37.21, pp. 3734–3743. ISSN: 1367-4803. DOI: 10.1093/bioinformatics/btab428. URL: https://doi.org/10.1093/bioinformatics/btab428.

7 Mark Distribution

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