

Example document to recreate with beamer in L^AT_EX

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Markup Languages and Reproducible Programming in Statistics

Outline

Working with equations

- Aligning the same equations

- Omit equation numbering

- Ugly alignment

Discussion

Working with equations

We define a set of equations as

$$a = b + c^2 \tag{1}$$

$$a - c^2 = b \tag{2}$$

$$\textit{left side} = \textit{right side} \tag{3}$$

$$\textit{left side} + \textit{something} \geq \textit{right side} \tag{4}$$

for all something > 0 .

Aligning the same equations

Aligning the equations by the equal sign gives a much better view into the placements of the separate equation components.

$$a = b + c^2 \tag{5}$$

$$a - c^2 = b \tag{6}$$

$$\textit{left side} = \textit{right side} \tag{7}$$

$$\textit{left side} + \textit{something} \geq \textit{right side} \tag{8}$$

Omit equation numbering

Alternatively, the equation numbering can be omitted.

$$a = b + c^2$$

$$a - c^2 = b$$

left side = right side

left side + something \geq right side

Ugly alignment

Some components do not look well when aligned. Especially equations with different heights and spacing. For example,

$$E = mc^2 \tag{9}$$

$$m = \frac{E}{c^2} \tag{10}$$

$$c = \sqrt{\frac{E}{m}} \tag{11}$$

Take that into account.

Discussion

This is where you'd normally give your audience a recap of your talk, where you could discuss e.g. the following

- ▶ Your main findings
- ▶ The consequences of your main findings
- ▶ Things to do
- ▶ Any other business not currently investigated, but related to your talk