Scientific Computing :: Drop In

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Activity: LaTeX and R

Design a really nice presentation

The free typesetting software LaTeX cooperates with R very well. In addition LaTeX beamer presentations are pdf based and therefore independent of computer operating systems and different MS Office versions. With a LaTeX beamer presentation you can be sure that your slides are shown by the conference computer exactly as intended, and since the software follows certain design rules, your LaTeX beamer presentation is sure to make a positive impression.

To get ready for this introduction to LaTeX beamer please download `MiKTeX` from `https://miktex.org/` and install it on your computer. Next please download `TeXstudio` from `https://www.texstudio.org/` and install this software on your computer, too. Having done this you can open `TeXstudio`. For Mac computers I recommend `TeXShop` on `https://pages.uoregon.edu/koch/texshop` instead.

Download the sample file `PresentationTemplate.tex` from `https://github.com/apommerening` and open it in `TeXstudio`. You also need files `slu_logo_pms.png` and `MortalityRGR.pdf`. In the R script `ModelRelativeGrowthMortalityDF.R` you find instructions on how to produce an R graph for a LaTeX beamer presentation.

Your task is first to listen to my little lecture on this subject and then to "play around" with `PresentationTemplate.tex` in such a way that you create your very own and personal presentation.

By the way, LaTeX can also be used to produce really nice text documents and you can find the source file `LatexBeamerPresentation.tex` of this document on `https://github.com/apommerening`, too. LaTeX can particularly be recommended for writing MSc and PhD theses or scientific books.