Workshop: High-performance computing for economists

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What do you learn in a Ph.D. program?

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How to learn...

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To broaden your knowledge about what you do NOT know

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- Subroutines: the example of function programming in R (Lars)

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Day 2

Overview

Day 3

Choosing an editor

... or system

Separate editors and systems

- MS Word and math editor
- LibreOffice
- LaTeX(TeXstudio, TeXMaker, Scientific Workplace, TeXWorks+Miktex, etc.)
- NotePad++ (Windows)
- Gedit, (X)Emacs (Linux)

Integrating programming and running

- IDE (Eclipse, ActiveState Komodo, etc.)
- Native programming GUIs (SAS, Matlab, Stata)
- Gedit, (X)Emacs

Integrating programs and text/results

- SWeave (integrates LaTeX and R)
- RStudio (GUI to R and SWeave)

Basic scripting in Linux

A basic loop on the command line

```
for (( i; i<10; i++ ))
do
  echo $i
done
for i in 1 3 7 99
do
  echo $i
done
```

Source: [1]

Now let's try it out

Next section

Next section