Exam

Introduction to Programming and Numerical Analysis

Jeppe Druedahl
Asker Nygaard Christensen

Problems

- **Structure:** 2 problems with 3-6 sub-questions on solving and simulating models and analyzing their implications graphically and numerically.
- **Examples of a problems:**
  1. Solve consumer or firm problems (with non-standard constraints)
  2. Solve and simulate an AS-AD model
  3. Solve for the Walras-equilibrium in an exchange economy
  4. Solve an extended Solow model
  5. Solve a two period dynamic optimization problem

  $\Rightarrow$ similar to the problems in the problem sets
- **Curriculum:** Lecture notebooks ($\div$ sections marked with $+$)
- **Packages:** No new packages are required, and using non-standard packages are actively discouraged.

Answering

1. **Focus on answering the questions** - nothing more, nothing less
2. Explain your **method in words** (or with an algorithm)
3. **Structure and comment your code!**
4. Explain your **results in words**
5. **Partial answers, attempts and considerations** are also **awarded** (something on everything is better than a lot on a few questions)

Disclaimer: Solving the full exam project in depth will be hard.

Hand-in

- **You should hand-in a single zip-file named with your *groupname* only.**
- **The zip-file should contain:**
  1. A general README.md for your portfolio
  2. Your inaugural project (in the folder /inauguralproject)
  3. Your data analysis project (in the folder /dataproject)
  4. Your model analysis project (in the folder /modelproject)
  5. Your exam project (in the folder /examproject)