CENTER FOR
ECONOMIC
BEHAVIOR &
INEQUALITY

# 13. Outroduction

## Introduction to Programming and Numerical Analysis

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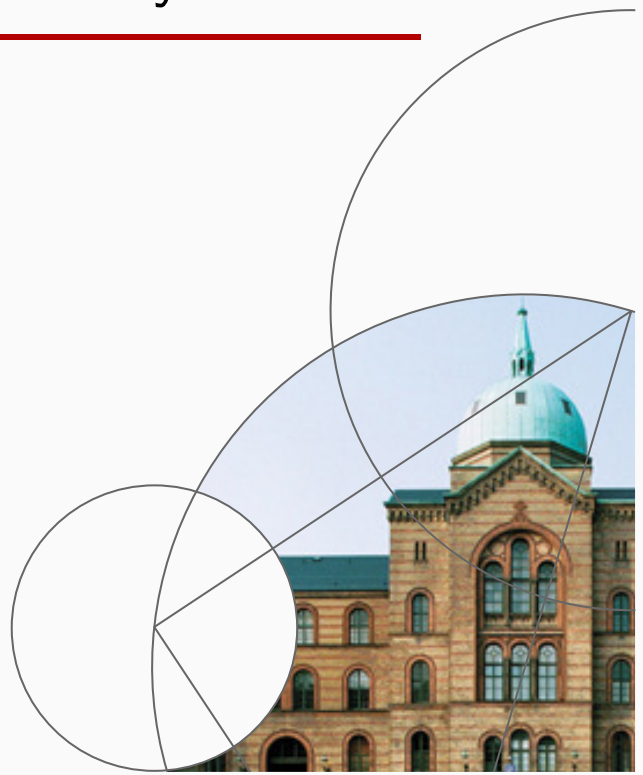

# Plan

1. Exam project

2. Questions

# Exam project

# Problems

- **Structure:** 3 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 Walrus-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. A Feedback.txt file with a list of the groups each group member have given peer feedback to with links to the GitHub issues
  3. Your inaugural project (in the folder /inauguralproject)
  4. Your data analysis project (in the folder /dataproject)
  5. Your model analysis project (in the folder /modelproject)
  6. Your exam project (in the folder /examproject)

# Questions

# Questions

- **Any questions now?**
- **Online:**
  https://github.com/NumEconCopenhagen/lectures-2019/issues