

Schedule

Time	Sat	Sun	Mon	Tue	Wed	Thu
9.00-10.30	Intro & Organization	Scale-free distributions	Dynamical systems	Lab 4 - ABM	Distributions & entropy	Wrap-up
11.00-12.30	Meta-theoret. foundations & history	Network theory	Lab 3 - Dynamical systems	Lab 4 - ABM	Lab 5 - Distributions & ABM	Wrap-up
12.30-14.30	Lunch break					
14.30-16.00	Lab 1 - Foundations	Lab 2 - Networks	OOP & ABM		Lab 5 - Distributions & ABM	

Claudius
Torsten
Claudius & Torsten
Lab session
Wrap-up

Lab sessions

- Purpose of lab sessions:
 - This is not an examination. This is to try things out.
 - Apply theoretical concepts, develop program code; get a feeling for what techniques work for you.
- There are problem sets for each lab session. Please read the instructions first.
- Keep an eye on the time.
- Claudius and Torsten are around. Talk to us whenever you have questions. And even if you don't have questions.



Programming techniques

Individual programming:



Project programming:

Pair programming:

- Everyone working on their own

Programming techniques

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Project programming:



- Jointly discuss project, implementation, coding
- Everyone writes their own implementation or alternatively everyone contributes to common code base.

Pair programming:

Programming techniques

Individual programming:



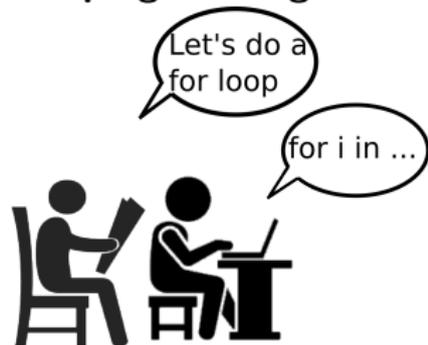
- Everyone working on their own

Project programming:



- Jointly discuss project, implementation, coding
- Everyone writes their own implementation or alternatively everyone contributes to common code base.

Pair programming:



- One *driver* one *navigator*
- Navigator designs implementation, specifies what the driver should code.
- Driver designs designs specific code.
- No arguing
- Change roles regularly

Lab session 1

- Solve problems 1-4 together in pairs. Try different programming techniques. See what works for you.
- Keep an eye on the time. It is not important to complete all problems, but to do those well that you want to do. Do the ones you find interesting first.
- After ca. 60 minutes, we will discuss the solutions. In case you have time left, consider problem 6.
- Claudius and Torsten are around. Talk to us whenever you have questions. And even if you don't have questions.

