SOCIAL SIMULATION PROJECT GUIDELINES ON METHODOLOGY

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Project plan

- Main research question
- Theory chosen or given
- Time line (example):
 - Literature research
 - 2. Which data and information can be used
 - 3. ODD model
 - 4. First simulation
 - 5. Calibration
 - 6. Extend model
 - 7. Results?
 - 8. Report on results
- 4. Hypotheses related to your simulation and theory
- 5. Determine criteria to interpret your results
 - 1. When is a simulation validated?
 - 2. Is a simulation "better" or just "different"?
- Communicate results!

ODD model

- The ODD model is the only "standard" in social simulation
- Use it well! Especially to verify completeness.
- Because you have a model described in ODD does
 NOT mean it is correct or good.

TIME IS IMPORTANT

- The assignments are NEVER finished!
- This is intrinsic to social simulation projects. Not just because we were too lazy to make proper assignments.
- You can always change, improve, etc.
- But the deadline is June 28, 17:00!
- Make choices.
- Evaluate your choices every week (weekly report)
- Change and adjust based on your experience.
- Take time to create simulations that can be run and observed by other people.

Interface

- 1. The interface of a simulation is important.
- 2. What do you show from the simulation?
- 3. Why do you show those parameters?
- 4. Which graphs are more informative?
- 5. Should there be a grid representation of the simulation (i.e. is there a clear geographical aspect?).
- 6. If you make a grid, what should the grid show?

Guidelines to start and stop

- 1. Determine abstraction level
- 2. Determine aggregation level
- 3. Time constraints