

# Agent based modeling

A method for exploring equifinality *in silicon*

- Simulation is a ‘middle range’ suite of theory/tools
  - Middle range: addressing the gap between the evidence and the story we want to tell
- Emerges out of complex-systems science, complex adaptive systems.
- Consider this film: <https://youtu.be/JXISHasXpJQ>
  - How could we possibly model this?

# Turns out, you need just 3 rules

- Avoid neighbouring birds
- But do not stray too far away, either
- Fly at about average speed and direction of your neighbours

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